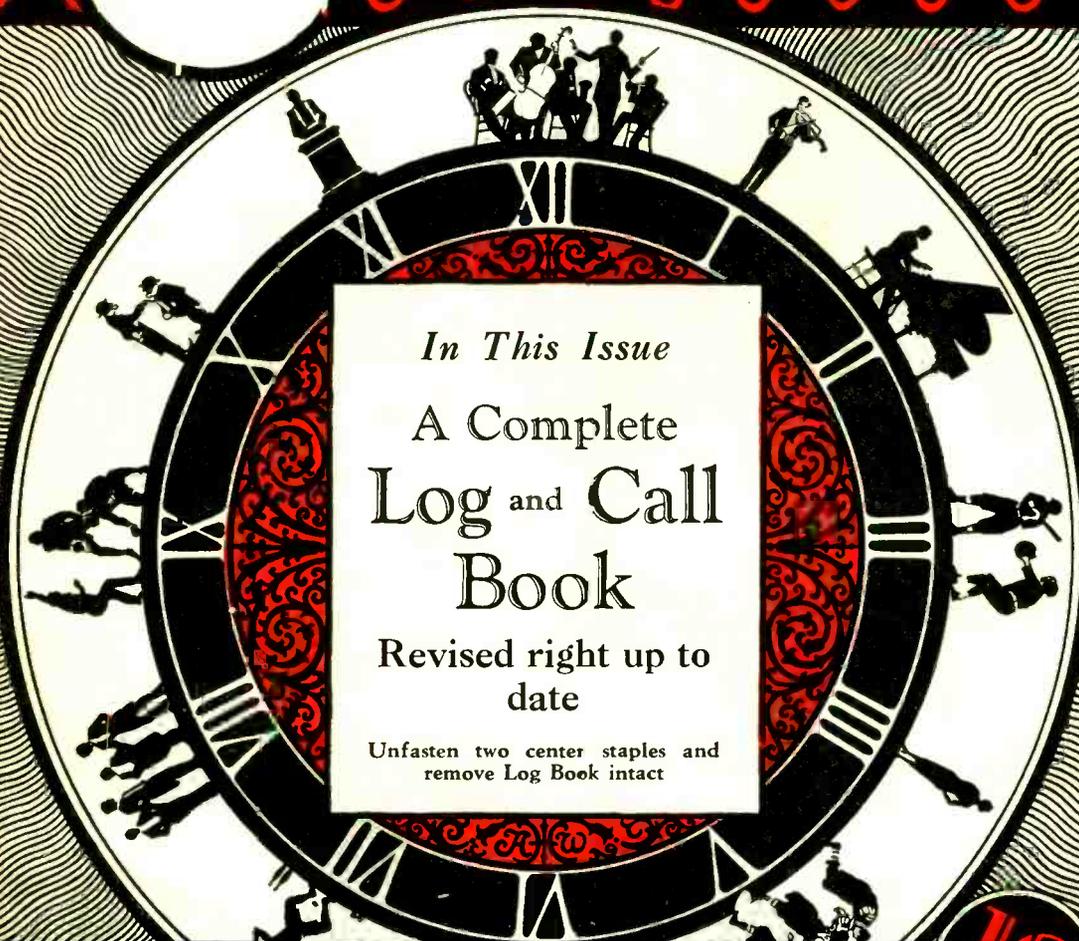


Broadcast Weekly

For
Week of
Nov. 24 to
Nov. 30



In This Issue
A Complete
Log and Call
Book

Revised right up to
date

Unfasten two center staples and
remove Log Book intact

"THE LEADING RADIO GUIDE OF THE PACIFIC COAST"



CROSLEY

STONE TESTED RADIOS



Jose Mojica, famous tenor of the Chicago Civic Opera and leading actor-singer of Fox Movietone Productions, is one of several internationally known musical artists retained by Powel Crosley, Jr., to test the tone quality of radio receiving sets.

California
Distributors

KIERULFF & RAVENSCROFT

San Francisco
Los Angeles

BROADCAST WEEKLY

(FORMERLY RADIOCAST WEEKLY - ESTABLISHED 1922 AS BROADCAST PROGRAM)

A. J. URBAIN, *Publisher*

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San Francisco

NOVEMBER 23, 1929

Los Angeles

No. 9

THE EDITOR'S PAGE

OUR poor, dear radio commission, terrified first by this ghost and then by that is now in a most awful funk for fear it will be swamped by public opinion. It seems that Harold Lafount of Utah, one of the commissioners, has suggested that Uncle Sam do some broadcasting to find out just what the public wants. The public has been asked, or will be shortly, to listen to the Government's program and send in its opinion. The commission believes it will be deluged with an avalanche of 15,000,000 letters, and it is scared stiff. It seems that not so long ago the commission is reported to have "dumped" 200,000 fan letters, unread, as waste paper, to get room to move around. There are already 500,000 letters cased up and impounded in the WGY matter until the United States Supreme Court hands down its decision. And now Lafount had to drop this on them! Well, it is a hard life, and the first hundred years of radio seem to be the hardest.

* * *

THE melo-dramatists will go mad over this. The "thief of the air" has made his appearance. Representative Darrow of Philadelphia has just drawn up a section to be added as an amendment to the radio law, making it a crime, or something, to intercept and re-broadcast a program without the permission of the original sending station. It appears that somebody has been "swiping" network stuff, and dealing it out free to friends, and Uncle Sam, nee Darrow, is out to stop it. With all the experience that the country has acquired in the last five years in bootlegging, it remains to be seen if the new law will be effective.

INTO the rural homes and far places is to go fine drama, the gift of the radio. The Radio Guild, a new organization, formed in New York, is giving a series of matinees, the first of which is to present "Romeo and Juliet," William Shakespeare's famous work, with a stellar cast. This will be a real treat to the man and woman who cannot leave the farm and the home in the country, to journey to a city theater. The city dweller must go, some time, into the country and listen beside a radio, to appreciate just what this newest entertainment science has done to lift the gloom of winter evenings, in far places.

* * *

IT NOW costs \$48 to send a picture from New York to London by radio. This is a new form of Christmas card—if you can afford it—and something entirely original. The picture is 4 by 6 inches in size, plenty big enough for even the most egocentric individual, and if wreathed by holly, makes a neat seasonal offering. At least the recipient can truthfully say, "There are not many of these!" Not at that price!

* * *

THERE appears to be quite a controversy over the fact that Leopold Stokowski and the Philadelphia Symphony Orchestra departed from the ultra-classic and played the works of a modernist like Stravinsky over the Sunday network. In fact Stokowski was quite severely criticised for it. Those of us who are not hampered by too much "kulture," while admitting that it might have been a crying shame, still think it was mighty good music. In our low-minded way, we'd like to hear more of it.

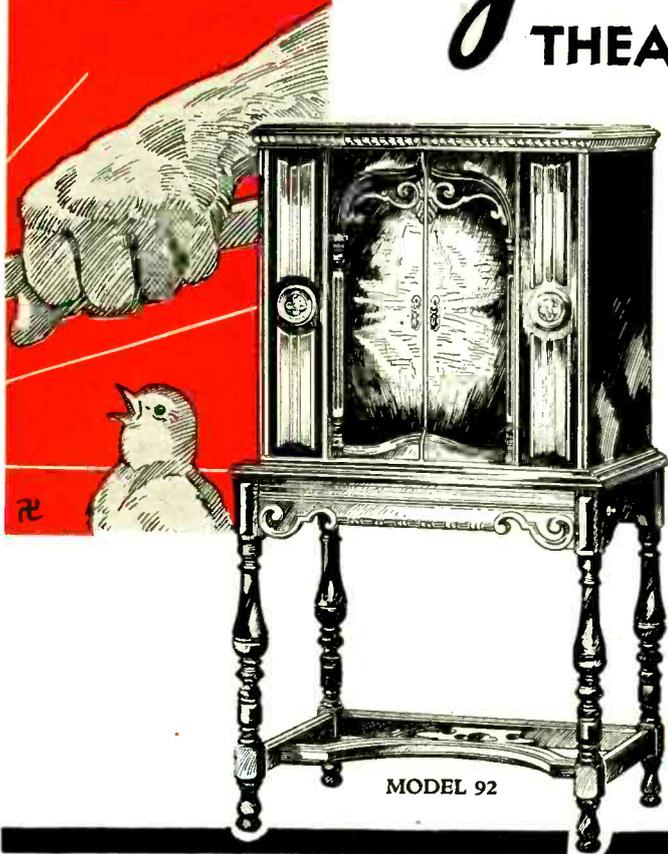


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The RADIO TATTLER



By EARLE ENNIS

AN automobile manufacturer has decided to equip his machines with radio sets, built into the dashboard. The control knobs are alongside of "oil," "gas" and "lights." It is a neat idea, but far-reaching in its effects.

* * *

Imagine the supreme embarrassment, for instance, of a Cadillac demonstrator who snaps a switch and gets a broadcast on the advantages of an air-cooled Franklin. Or a foggy clubman who draws a lecture on prohibition. Imagine your own chagrin, while showing a young lady the sights of your fair city, to have the dashboard address you on the subject of halitosis.

* * *

We will witness the spectacle of cars running along our streets, chatting gaily of home economics, astronomy, cake recipes and face lifting. It will not be unusual for a big, burly truck to break out with a dissertation on face cream, or a delivery wagon to give setting-up exercises. From the dashboard of a garbage gondola a soprano will sing lightly of love and flowers. A policeman's car will broadcast a lusty drinking song. And even the preacher's Lizzie may inadvertently click off the latest steps of a Follies' revue.

* * *

Think, for instance, of the plumber's cart, dashing madly to suppress a leak, which breaks out in kiddy stories. Or the well-known voice of Mme. Renaud, beseeching massed femininity to get aboard the Paris lingerie wave, from the depths of a vegetable galleon. And figure one's complete and extreme obfuscation when, on forgetting to turn off the set of one's car, while parked in front of a church, to have the said machine break out in baseball scores just as one got comfortably seated in a pew.

* * *

Sedans, landaus and coupes would always be muttering to themselves in garages, or bursting into song at street crossings or on quiet boulevards. How completely it would ruin many a good evening's ride, to tap a police news broadcast to the effect that "she found him riding with another woman and shot him." The silent, closed car would be a thing of the past and even gangsters about their sturdy trade could have soft, dulcet

harmonies to lend background to the machine gun cadenzas.

* * *

We see one great advantage to the auto radio set, and that is in connection with parades. It would do away with bands. One local station could broadcast band music and the cars in the parade could tune it in. The drum major could be synchronized with the first car to prevent the embarrassment of heterodyning with a passing funeral. And the boys who now have to wear uniforms and blow horns and beat drums could take easier jobs with less walking, secure in the knowledge that a few batteries and a loud-speaker were carrying on for them.

* * *

And these merry little get-together business luncheons where the boss calls in all the boys and tells them how well they are upholding the high standards of the Self-Closing Buttonhole Corporation by making the world buttonhole conscious. With a radio set in every car, the banquet could be dispensed with. Half an hour of sponsored time on a network, and the boys could go right on making the state button-hole conscious, getting the president's sturdy words of encouragement, without wasting the time to drop their work and come to eat at the firm's expense. Net saving (estimated) 22 and one-half per cent of something or other.

* * *

And this brings us to the discontented customers of the contented dairies. When blight kills the milkweed crop of Kansas, and the price of milk goes from 13 to 15 cents, a broadcast to every truck driver would give the benefit of the raise in price to every customer before the trucks got in at night. He would have the privilege of paying more for the raise occurred, instead of waiting until the next day.

* * *

The chief advantage we see in the innovation is that a radio artist can now park his car in front of the studio and hear himself broadcasting. We believe this will produce more honest discouragement than anything in the world.

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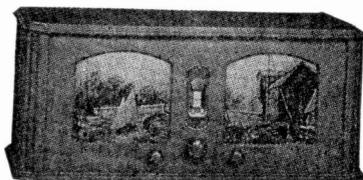
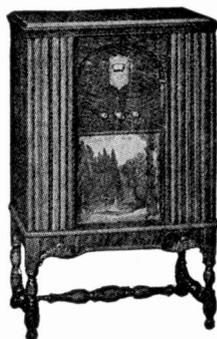


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PERSONAL PICK-UPS

By GYPSY

N. N. B., Santa Barbara, Cal.—Juanita Tennyson is married to Dr. Howard Tennyson, a prominent dentist of San Francisco. A gracious, inspiring personality is Nina, radiating kindness and understanding to such a degree that everyone seeks her out when things go wrong to find the solace she is sure to give. Her eyes are midnight blue, her hair is a soft brown, her complexion is of an ivory tint, she is 5 feet 5 inches tall and weighs about 135 pounds.

* * *

Gladys W., Spokane, Wash.—"Cecil and Sally" broadcast every night except Sunday at 7:15 over KYA, San Francisco. Your other favorites will, I am told, soon be back on their old-time station. Do write again.

* * *

Ardent Fan, San Francisco, Cal.—Yes, the "Mystery Tenor" is Read Givens. He is about 5 feet 11 inches in height, weighs 140 pounds, has blue eyes, brown hair, and is in his early twenties. No, not the suave, sheikish type. Infinitely more interesting. A splendid young man who has fought against odds and won.

* * *

Ann, San Francisco, Cal.—Saul Sieff and Wilbur Stump are at the present time broadcasting every Friday at noon over station KPO. If you will write them or to the station, I am certain your request will be granted.

* * *

A. D., Salt Lake City, Utah—Barbara Blanchard—boyish bob, chestnut, modishly accentuated by a widow's peak. Softly rounded features, brown eyes, shapely close-to-the-head ears to which are fastened pearl earrings. Smart in every sense of the word. About 5 feet 4½ inches tall, weighing approximately 127 pounds. Her heart is wrapped up in the future of her small three-year-old son to whom she is both father and mother.

* * *

L. Keller, Bakersfield, Cal.—The secret of "Mac's" Windsor tie is out at last. It took not only persuasion, but threats, to get the truth, but here it is. For years, fifteen, to be exact, "Mac" has studied art. In 1909 he entered the Chicago School of Fine Arts.



Later there was a year or so at California Fine Arts, and still later he devoted much time to study with Blanding Sloan. Landscape painting is his favorite recreation.

* * *

Emily S., Oakland, Cal.—Richard Le Grand of NBC is in the production and dramatic department and says he does not sing. Thus it would seem there are two gentlemen of the same name. Perhaps it is spelled differently. I'm looking it up for you.

* * *

Letty, Pasadena, Cal.—Raymond Marlowe's operatic roles have been just one prince after another so you may be assured that he is handsome. Excellent features, dark complexion, deep blue eyes, black hair, not too young, not old, more or less reserved as befits a real prince with always that romantic atmosphere about him. He is 5 feet 11 and weighs 175.

* * *

Louretta Greene fans.—Good news! Miss Greene is back on the air. She will be heard several times weekly over KFVI on the "Gloom Chasers" program. ("Gloom Chasers" schedule in program section of this issue.)

* * *

Mrs. M. W., Berkeley, Cal.—"Excuse please," but Frank Watanabe, Edmond James Holden, is not "shortish" or "squarish." Everyone else has that impression, so you need not feel badly to have guessed wrong. He is . . . hold your breath . . . 6 feet 3. Cross my heart. Weighs about 180, has blue eyes and dark brown hair. His features are pleasant, a somewhat French looking mustache adorns his upper lip, his forehead is broadly intellectual and one's attention is drawn to his artistic slender hands. Mr. Holden's impersonations began way back in his grammar school days. He has many real friends among the Japanese and finds them exceedingly interesting.

* * *

"Pioneer," San Luis Obispo, Cal.—Did you find your answer in the November 10 to 16 issue? "Gee! but you are nice." Write again soon.

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This is a significant endorsement of the quality that is built in these receivers.

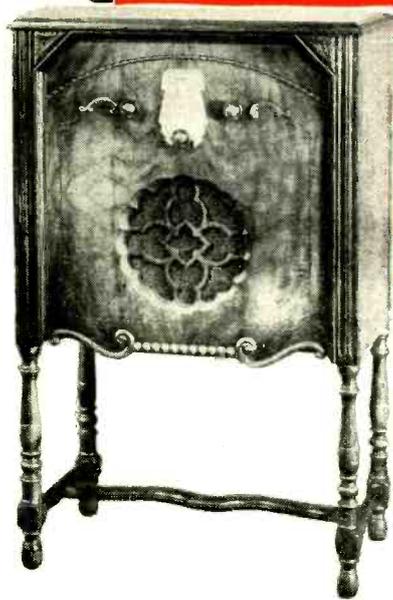
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MICROPHONE GOSSIP



Hazel Warner of KFRC is one of those singers who is indebted to the radio for her musical career. Although she has always sung, as far back as she can remember, it was just because she liked to sing. She learned new songs just for her own satisfaction. After a teacher told her that a musical career was not possible for her because her voice lacked volume she became a nurse. When the radio came along she decided to "take a chance" and lo and behold, her voice was admirably fitted for the "mike." In her affection for her work and her sincerity, in addition to the quality of her voice, lies her popularity.

* * *

Phyllis Campbell, NBC contralto, made her debut as a singer in Illinois when she was 12 years old. She studied afterward with William L. Whitney at the New England Conservatory of Music, Boston, and under Shirley Gandel at the Cosmopolitan Conservatory, Chicago.

* * *

The Vallesingers of San Jose, who have presented the "Messiah" for several years, will broadcast this famous performance from KPO Sunday afternoon, December 15, 3 to 5 o'clock.

LeRoy V. Brandt, well-known musical director of San Jose, will conduct the performance. Soloists include Myrtle Claire Donnelly, noted dramatic soprano; Allen Wilson, tenor; Eva Gruninger Atkinson, contralto, and Austin Black, basso.

* * *

Misha Pelz, musical director of KOIN, claims an exceptionally rich musical experience. He conducted the Russian Imperial Band at the age of 11 and 12; won two scholarships for Charwenka in Berlin at the age of 13; concertized through Belgium, Holland, Germany and Russia, and directed a conservatory orchestra at an early age. He was coach of the Metropolitan Opera House quartet, and has been conducting orchestras in the United States since 1914. His library is one of four thousand orchestrations.

* * *

When Jeannette Sheerer, NBC clarinetist, was nine years old, she decided to try out for the "boys' band" in her home town, Cedar Falls, Iowa. Then she grew up with the same band and later found herself playing solos with the Chicago Civic Symphony. She has been heard by the NBC system audience since last September.

Yes, the voice of the KGO "Morning Glories" have been heard often before by the NBC system audience. The new harmony duo is Imelda Montagne, who has been singing with the Pepper Maids, and Peggy Chapman, contralto soloist with the Pacific Vagabonds and Musical Musketees.

* * *

Pearl King Tanner, NBC actress, is on the air because Wilda Wilson Church saw her performance in "The Rivals" at the Berkeley Greek Theatre and admired her voice and stage presence. Miss Tanner spent six years on the legitimate stage before coming to the NBC San Francisco studios.

* * *

Two well-known announcers have been added to the staff of KFI, Los Angeles, according to officials of that station.

Ray Winters, formerly of WTAR, WOR and KLRA, in which stations he occupied at various times the position of announcer, program director and manager, is one. The other is Don Wilson, in whose experience have been included terms of service with KOA, KOZ, KFEL, KFRC and KHJ.

Don takes over the famous Big Brother period until recently handled by Don Hunt.

* * *

In the old days of radio two announcers usually did all of the announcing on a station. KFRC has opened a department of mathematics which has figured out that 14 announcers conduct programs over the Don Lee station on an average day.

* * *

Johnny Rizzo, tenor, former artist of the Shell Happy Time conducted by Hugh Barrett Dobbs of KPO, has become a film actor according to the latest report from Hollywood.

Rizzo is well known here as the one-armed tennis player from the University of California, and as one of the ranking tennis players of the West, despite his physical handicap.

In casting about for a man to play one of the pivotal characters the directors selected Johnny, and Johnny now has his big chance in William Powell's first starring picture which will soon be released.

* * *

Raymond Paige, musical director of KHJ, the Don Lee station in Los Angeles, announced that he would make a systematic search for radio talent. He didn't have to go down dark alleys and look under houses

for new voices. Nearly a thousand aspirants flocked to the studios for an audition. Not more than ten had anything on the ball but considerable hope and misplaced confidence.

* * *

Harold Spaulding, NBC tenor at San Francisco, insists that he has a "made voice." Before he began studying in Oakland with Ernest Muse, Spaulding couldn't carry a tune, but a year later he developed striking top notes and today he is one of the recognized tenors of the West.

* * *

The familiar and frequent chimes of KFI, Los Angeles, and their accompanying salutation of "KFI, Los Angeles," which ushered into radio the custom of identifying the station at regular intervals, have received warm praise from J. D. Burke, inveterate DX fan of Reno, the divorce capital of Nevada.

"Can't you influence other stations to follow your wonderful system?" Mr. Burke queries. "It is the bane of my life to tune in for 30 minutes at a time without knowing whether the good music comes from Hades or Mars."

* * *

Music and football are widely separated interests, Charles Hart, NBC orchestral conductor, admits, but this season of the year he's most devoted to the latter.

Hart has attended the games at Berkeley and Stanford University and puts in time on the side lines helping to transmit close-up information to the various announcers whose descriptions are heard by the radio audience.

* * *

Monroe Upton, "Simpy Fitts" of the KFRC staff, once built and conducted a radio station in Shanghai, China. Mahlon Merrick, conductor and arranger on the same station, once had an orchestra on the President Madison, running to the Orient. During the course of a "reminiscing" conversation it developed that Mahlon's orchestra had played on "Simpy's" China station, but they had failed to recognize each other.

* * *

Willard Schindler, NBC baritone who is spending the winter fulfilling a twenty weeks contract with the American Opera Company in the East, scored an outstanding success in his debut as Escamillo in "Carmen," according to word received at the NBC's San Francisco studios.

* * *

Eileen Piggott, one of the NBC sopranos and the "Ma" of Memory Lane, scorns the service of a maid in her Oakland home. Cooking is her hobby and she enjoys fashioning frocks for her seven-year-old daughter, Margaret.



RADIO reception may be made much more enjoyable by plugging in a Falck Claroceptor between the light socket and your set. By blocking out the line interference noises, this wonderful device also helps selectivity and distance. Thousands now in successful use. No change required in your set. Only equipment of the kind. Compact size: 3½" x 5½" x 2½". At radio parts dealers, or write us for new free booklet.

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RADIO LAUGHS FROM THE AIR LANES

BOB GILES, son of Porter Giles, San Francisco broker, ran away from home the other morning. He went up to KPO to see if it was really true that Hugh Barrett Dobbs did the morning setting-up exercises in front of the mike. He suspected H. B., just as the rest of us did, of sitting in an embracing chair, and broadcasting in comfort while the rest of us bent and twisted. And he found out.

"You tell the folks out in radio land what you found," said Dobbs.

"You bet he does, AND HOW," said Bob.

"And now," said Dobbs, "you might send your mother a message. She probably wonders where you are."

It was Bob's big moment. He had been invited to broadcast. What should he say? He took a long breath.

"Ma, don't burn dad's toast!" he said, with 1000 watts behind him.

And 3,456,567 radio fans called Mrs. Giles on the telephone and inquired:

"Are you the Mrs. Giles that burns your old man's toast?"

* * *

Someone called to the attention of Harrison Holliday, station manager of KFRC, the other night, that there was a bronze tablet in the War and Navy Building at Washington, D. C., commemorating the 250,000 army mules that lost their lives with the A. E. F. during the World War.

"That's funny," said Holliday. "All I ever got was corned beef."

* * *

Grandma S——, who lives in Berkeley, thought she would tune herself in some nice music the other night. She swiveled the button and struck KNX—in the middle of a prize fight. The machine-gun announcer, whose words rattle like peas in a snare drum, was in the second round. Grandma listened a moment.

"They're into a clinch they're out jimmy puts over a fast one to the jaw to the rib to the stomach they clinch they spar right and left swing both miss jimmy takes a right to the jaw and gives a left to the heart the gong the gong and the round is even."

"Oh, dear," wailed Grandma S——. "There's that man that always talks short-hand."

* * *

It was one of the symphony "alternate nights." The Los Angeles Symphony Orchestra was on the network and the Los

MOZART MSS. BRINGS LESS THAN AUTO

THIRTY-NINE of famous manuscripts of Mozart were sold recently in Berlin, at an auction, for less money each than is paid in this country for a coupe.

The entire group brought only \$19,000. As an index of the prices paid, Mozart's manuscript of the famous F major string quartet brought only \$1900. The auction was held October 12 of this year. The most valuable item included in the collection was Mozart's own index of his works compiled in 1791.

The price paid is believed to be the lowest paid recently for any great master's original musical manuscripts.

UNCLE SAM REJECTS ONE WAVE PLAN

The federal radio commission flatly rejected proposals that simultaneous broadcasting of high powered stations on the same wave channel be permitted to test out synchronization ideas. The commission took the position that it was fully satisfied that such an attempt would be a failure.

The refusal came in connection with the proposal of WAPI at Birmingham to "cut in" on the cleared channels used by KOA at Denver, KNX at Los Angeles, WBZ at Springfield, and KJR, Seattle, all more than 1000 miles from Birmingham, and test out simultaneous operation. The commission has already permitted these tests with smaller powered stations and the experiment was said not to have been an engineering success.

Angeles announcer was enumerating the various instruments that were shortly to entertain us.

". . . . and in addition there are two harps, not to mention the conductor, Mr. Arthur Rodzinski"

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CELLULOID NETWORK IS NEW FEATURE

RADIO has gone into a new field with the formation of the Radio Cinema Vision corporation, an organization projected in New York for "sound-film radio program producing" purposes.

The new concern will make films for sound reproduction only, to be broadcast in English and foreign languages, and shipped to broadcast stations throughout the world for use in place of living entertainers. In a sense they are designed to fill the niche occupied by phonograph records in radio broadcast work, but using the more advanced flexibility of film reproduction.

Malcolm Strauss, president of WCMA station, is president of the new corporation. According to statements from him, an entirely new type of entertainment is to be broadcast, including well-known plays, the prominent radio star programs, entertainers and orchestras, all of which will perform in front of a microphone which will operate as a sound recording device.

The films will be sent to various radio stations for broadcast purposes and can be broadcast simultaneously, eliminating the necessity for linking the stations by land-line wires. The new plan is the beginning of the battle against high telephone tolls, and represents an effort on the part of broadcasters themselves to cut down the high cost of programs, and indirectly reduce the amount of advertising on the air.

More than 43 stations in the United States and some 30 stations in Europe are allied with the new concern and will constitute a "celluloid network" which is to take the new film service. The film reproduction, according to engineers, gives even, smooth reproduction without blasting, eliminates mistakes in announcing, gives a station certain material available in no other way, and cuts out the necessity for overland wire connections which have been one of the expensive items in station maintenance, and in a sense promises to establish open competition with major network features.

Under the present plan, the films will be released to the various "celluloid network" stations for use on certain dates, and for stations in the same area, for the same hour. Where stations are within "earshot" of the same listener they will be run simultaneously giving him a choice of the best reception point.

The new film broadcast plan is being watched by both sponsors and wire-linked

"FARM PROBLEM" HAS RADIO SOLUTION

OUT of a clear sky and through no "fault" of his own, the farmer has suddenly benefitted by a radio development—the screen-grid tube. In fact, although the farmer was not in mind when the screen-grid tube was developed for modern radio uses, he is the one who really benefits the most by the new improvement.

The screen-grid tube, aside from its amplifying and selectivity qualities, has one sterling advantage, viz., it works on practically the same voltage as the old time "peanut tube" of regeneration days. The angle of this with relation to the farm can be seen instantly.

The small tube had its disadvantages. While it was a good distance getter, and a small battery user, it could not stand the impact of great volume. Consequently small tube users found themselves unable to operate the late types of high-powered speakers and the equipment from which good reproduction and fine quality were obtained.

The screen-grid tube, however, has all these missing characteristics of the peanut tube, and in addition can be used for audio as well as radio frequency purposes. Hardly had the tube won favor with the average set owner of the city when it was suddenly discovered that it was more valuable for the farmer. He could now become possessed of a modern high-powered set using the very latest equipment, and still work it with battery power.

Overnight a new radio set has been born. It is the farmer's own set. It uses screen-tubes and operates on batteries. The man who lives in rural districts can shortly buy anywhere, a powerful, distance getting equipment, which will range with efficiency and quality right up alongside of anything his city brother can purchase. And it will be a set designed for him especially as an out-of-the-city resident.

The new set justifies the beliefs of many engineers that the a-c set would not replace the battery set and that the battery set was in a fair way to meet certain revisions and changes which would again return to its former popularity. The new farm set can also be used admirably as a high-powered portable equipment and will shortly be on the market in that form.

stations as it is felt that it may change the whole field of network broadcasting overnight.

LOOKING AHEAD!

Those who purchased a Philco last June when the present models were introduced rest secure in the knowledge that their investment is still at par because when Philco brought forth the balanced-unit principle and gave to the public a radio of outstanding beauty and performance at a price that was as low as Philco quality would permit, Philco engineers were looking ahead.

They had in mind the Philco owners of the future as well as of the present. And so today Philco is unsurpassed in its richer, truer, clearer tone obtained only by precisely balanced-units and in the beauty of its cabinets fashioned from costly imported woods. Philco still is bought at the price that was right in the first place!

PHILCO'S WERE PRICED RIGHT ORIGINALLY



PHILCO
REG. U. S. PAT. OFF.

Balanced-Unit RADIO

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

MUSIC HONORS GO TO CALIFORNIANS

A NUMBER of Californians are named among the fellowship awards of the famous graduate school of the Juillard Musical Foundation at New York, according to announcements just made. The great number from one state is an index of the degree to which California is taking a position in national musical affairs. Many of the 112 who received various honors, are known over radio lanes.

The California list includes Luther Hoobyar, Alma Michelini and Lelane Rivera, in the voice awards; Estelle Caen, Marguerite Porter and Clara Teitelbaum, pianists; all of whom won fellowship in the institution. California winners of extension scholarships are: Ruth Meredith, and Milton Palmer, pianists; Abraham Weiss, violinist; Virginia Peterson, cellist.

The extension scholarships provide for study in various conservatories throughout the United States. The fellowships provide for instruction from the faculty of the Juillard Foundation itself.

MAGIC BOX PROVIDES NOISES FOR RADIO

A THUNDER-STORM that works with a crank, a machine gun controlled by a push-button, the yelps of a zoo, auto horns, whistles and all the incidental noises of a radio studio, may now be contained in a single box and operated by one man, as a result of developments and experiments which have been made at WGY, the General Electric station at Schenectady, N. Y.

The sound effects are for use in connection with radio dramas and for other studio purposes. They form the sound picturized background of much that goes over the air. Dozens of bells alone are required—telephone, fire, street car, door and other types of bells, all of different notes and pitches, may be used in a single playlet. Then there is wind and surf, the cries of animals, airplane registrations and other required noises.

On an ordinary radio drama night, a broadcast studio is cluttered up with peculiar appearing instruments, each of which has some "sound" significance in the play. The

EUROPEAN JABBER KILLS OFF "DX"

POLYGOT tongues and the chatter of a foreign language in the ear of the radio listener who tunes beyond his own borders, have discouraged DX, or long distance reception, in Europe. As a result, Europe is today a collection of portable radio sets.

A radio fan with a good set in any of the European countries may tune in six or seven stations, speaking a language foreign to his own. He has none of the 1500 to 3000 mile reception that is a nightly matter in this country. As a result, he has no use for the high-powered distance getting apparatus we use here, save in such instances as he may wish to cross the Atlantic and receive broadcasts from this country.

As a result of this, the large majority of radio sets used in Europe is of the self-contained portable type. This in turn, through lack of space for power packs and the like, results in tinny quality and bad reproduction. Prices also form another barrier to the ownership of good radio and the average European has no conception of what good radio reception really amounts to.

In England, the situation has been further retarded by the unreasonable royalties required on tubes by the Marconi Company. This outfit has forced all tube manufacturers to pay \$3.12 royalty on each tube used, running up the cost of an ordinary set to figures that would kill the product cold in America. As a result of this, Europe is about five years behind the parade in radio enjoyment, although somewhat ahead of us in certain types of instrument design.

noises are not by any means produced by simple things, and weird and peculiar articles are brought into the studio to get the exact microphone registration desired.

One of the studio engineers decided to try his skill at getting all of the devices into one cabinet where strings, levers, push-buttons and other instruments could be used to control the various rackets. After nearly two year's work he has now succeeded. Now out of this modern cabinet of magic, through the instrumentality of one man and a little mechanical compilation, comes any noise that a radio drama may need, from the opening of a parachute to men fighting under water.

BIG GAME
Reception That Is
ALIVE



THE NEW

SPARTON

EQUASONNE

The big thrill of the year. Don't miss it. Be there with a SPARTON. Not merely listening to your announcer, but seemingly sitting by his side, *seeing* as he sees, feeling as he feels, catching every play, every bit of colorful pageantry and sparkling life. Breath-taking moments for spectators hold the same thrills for you with SPARTON *Face-to-Face Realism*. Go to some authorized SPARTON dealer today and arrange to receive the living thrills of "The Big Game" in your own home Saturday.



New Model 931
Complete with 9 tubes

\$189.50

H. R. CURTISS CO., *Distributors*
SAN FRANCISCO—895 O'Farrell Street
OAKLAND—311 Tenth Street

5 BEAUTIFUL NEW 1930 MODELS

RADIO NETWORK SOUGHT BY RED CROSS

ALICENSED radio operator as a member of every Red Cross chapter in the United States is urged by national officials in order that there may be no cessation of communication should wire services fail in an emergency.

Radio has been the first means of communication with the outer world from the scene of practically every major weather disaster in recent years. Prior to the introduction of wireless, days, and sometimes a week or more, elapsed before the outside world was informed of the extent of the catastrophe and plans could be made to relieve suffering in the affected area. The Mississippi flood, the New England flood, the Florida hurricane and a host of other emergencies were brought to the attention of the country at large by radio messages which "got through" when all other means of communication failed.

The very general reliance upon land lines in normal times occasionally meets a severe shock in disaster areas, it is pointed out by Red Cross officials. In 1928 the hurricane swept away the telephone and telegraph so that communication with the southern part of Florida was wholly disrupted for many hours after the storm struck. The first news to national headquarters came through an amateur radio operator at West Palm Beach, whose message was picked up by the Army Signal Corps station in Washington. Until the land lines were restored this service by radio between Palm Beach and Washington was the only means of getting messages through to the Red Cross, a service which lasted for three days.

Urged to Enlist Stations

"Every chapter in organizing for disaster service should arrange for wireless communication," it is declared. "It is advisable to enlist the interested co-operation of at least one wireless station, amateur or commercial, for the transmission of messages from the chapter in time of disaster. The wireless station should be given official status through membership of the operator on the sub-committee on transportation and communication.

"In thus perfecting its means of communication the chapter will have grounds for assurance that in the event of the destruction of ground lines communication with na-

tional headquarters or the branch offices will be effectively maintained through its official wireless representative on the sub-committee.

ASSOCIATION TACKLES TOUGH JOB

ONE of the toughest jobs in the country has been undertaken by the Radio Manufacturers' Association, which includes several hundred of the leading makers of radio apparatus. This job is the standardization of the current voltages throughout the country.

It is not generally known that the Pacific Coast is particularly fortunate in power supply. The ordinary A-C radio set can be used anywhere, the bulk of the current being of the alternating type. But in many other cities the situation is radically different. For instance, in New York alone there are 300,000 homes which have nothing but D-C current supply. In these homes an A-C set is useless.

There are also various voltages supplied to A-C lines throughout the country. On this coast the voltage is generally 110-115 volts. In New England there are 70,000 users who have to take 104 volts, and another 300,000 that have 115 to 120 volt current supply. The difficulty of getting a standard A-C set to fit all these conditions is considerable.

HUGE RADIO COMBINE

The tie-up of General Motors, Radio Corporation, General Electric, and Westinghouse with the Radio-Keith Orpheum subsidiary, allies one of the greatest radio financial production projects in history. The new company is to be known as General Motors Radio Corporation. It has \$10,000,000 in capital stock and 1,000,000 shares of common of no par value. The General Motors Corporation controls 51 per cent of the stock.

Under the new arrangement the radio companies contribute \$4,900,000 in cash and grant licenses under all their patents, and the General Motors subscribes \$5,100,000 and assumes management. The gross sales of the four concerns are estimated at \$4,000,000,000 a year.



TOPICS OF THE TRADE



Mr. C. L. McWhorter, Pacific Coast manager of the Philadelphia Storage Battery Company and Philco Radio, sojourned to Los Angeles to meet Mr. S. M. Ramsdell, Sales Promotion Manager of the same company offices at Philadelphia. Mr. Ramsdell flew to California in order to visit the Coast territory.

* * *

The Marin County Radio Retailers' Association, headed by W. C. Hildebrand as President, held their monthly meeting at the Paloma Inn, San Rafael, Wednesday morning, November 13. This group, which was organized just a month ago, has been very active in solving their many problems. Local meetings are held each week with a result that they have adopted a suggested Code of Ethics similar to those adopted by other communities. At this meeting it was decided to subscribe a fund in order to employ an interference investigator arranged for by the Pacific Radio Trade Association, with whom it is affiliated. George H. Curtiss, Secretary, and N. E. Borch, Investigator for the Pacific Radio Trade Association, attended the meeting.

* * *

J. T. Hill, California representative for the De Forest Radio Manufacturers of the famous De Forest Radio Tubes, was a visitor to San Francisco last week.

* * *

Intense excitement prevailed in the Bushnell and Rayner organization at establishing a precedent for Coast cabinet manufacturers by shipping the first carload of radio cabinets to eastern states. Orders have been received for Sulnock Cabinets in carload lots consigned to A. C. Dayton Jobbers in Oklahoma and Missouri. The rush of traffic men from the various railroad companies to the offices of Bushnell and Rayner in the Chronicle Building to find out how it all happened gave the impression of a fire sale.

* * *

GRIFFITH P. ELLIS, for the past two years Pacific Coast manager for the Gerard Trust Company of Chicago, has been appointed Pacific Coast sales manager for the Grigsby-Grunow Company, manufacturers of Majestic radios.

Ellis joins the Grigsby-Grunow Company with many years of successful sales experience to his credit. For five years he represented several lines of nationally known radio receivers on the Pacific Coast, the final two years being with the Gerard Trust Company.

He enjoys a wide acquaintance among the radio and music trades on this Coast.

Previous to coming to the Pacific Coast he was associated in a sales directing capacity with the Musical Instrument Sales Company, New York City; the Scroggs-Verdervoort & Barney Dry Goods Company, St. Louis, and the Chicago Talking Machine Company of Chicago.

Ellis will direct the sales activities of Majestic in eight western states, including California, Arizona, New Mexico, Nevada, Utah, Montana, Oregon and Washington.

With the completion of his office personnel, he will make an extensive tour of the western division, visiting all Majestic radio distributors to discuss policies with them.

* * *

THE trend toward simplified tuning has reached its climax in the new tuning dial and mechanism of the Philco Balanced-Unit radio.

A narrow illuminated slot shows the dial with large, easily read figures running from 55 to 150.

These figures are channel numbers which have been assigned to broadcasting stations by the Federal Radio Commission, and are in reality the kilocycle frequency on which the station is operated. These channel numbers on the new dial are read as kilocycles simply by adding a cipher, as, for example, figure 55 on the dial is the channel number of WGR, as shown in many of the new log books. Some log book and newspaper listings give the stations in kilocycle frequency, and it is easy to get the kilocycle frequency by adding an aught, making it 550, which is the kilocycle of WGR. The same thing applies to all the broadcasting stations. By using channel number on the new Philco dial it is possible to use larger and plainer figures, making them easier to read.

* * *

Deliveries of the "Baby Grand of Radio," the new Rola receiver started November 14, according to announcement made by Listenwaller and Gough, Inc., distributors for the famous Rola line.

* * *

The Sacramento Music and Radio Trade Association elected on October 15 a new board of directors as follows: Chas. Utléy, President; J. C. Hobrect, Vice-President; Frank Bruner, Geo. W. Roper, L. Schroeder, Arth. T. Schively, Bert Hughes.

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

By MADONNA M. TODD

THERE is much talk among those who produce radio programs of "microphone personality."

The producer means the ability of the artist to project his own personality into the sensitive condenser and consequently out through the ether waves.

"And therein rests the success or failure of a singer, a musician or an actor who has chosen radio as his means of expression," says Ted Maxwell, NBC production manager.

During the broadcast Friday of the Woman's Magazine of the Air, I realized just what all this "mike personality" talk meant. The dialers to the NBC system stations all along the coast certainly must have realized the personalities of those I watched behind the microphone.

The editor, Bennie Walker, who really is a first-rate master of ceremonies, was there with his happy suggestion—"Keep that old smile smiling!" His personality predominated the studio and couldn't help "getting across" to the vast, invisible audience.

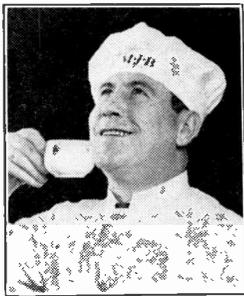
There always is an air of informality about the WMA broadcast, but on Wednesdays and Fridays one feels it most during the Oronite comedy and the M. J. B. feature.

It's a case of everybody being "in the spirit."

Magnolia (Georgia Simmons), Henry (Ben McLaughlin) and Charley (Charles Marshall) set the tempo Wednesday and Joseph Hornik and his Magazine Melodists stimulate Friday's merrymaking with their interpretations for M. J. B. of college airs.

Everyone in the studio must be perfectly quiet during any broadcast, what with the highly sensitized microphone waiting to amplify the faintest noise. Sometimes it's almost impossible, one wants so much to laugh aloud at a good gag. It was exceedingly difficult Friday as Bennie sang Ted Maxwell's "Fagan Love Song," a comedy written around Billy DeBeck's popular cartoon.

John and Ned followed with a parody about a little boy who wouldn't eat lollypops, but took his chance with lemon drops—one of those ditties that goes on and on and carries a laugh in every line.



M. J. B. Chef

Even the serious-minded engineers who regulate the broadcast entered into the spirit and laughed aloud as they sat in the monitor's booth watching and listening.

Howard Milholland gave the key to how the entertainer projects his personality when he said: "One must turn toward the microphone as to another person—he must speak or sing or play to that instrument in the same intimate way that he would to a friend."

Monday's WMA program is more serious than that presented some other days. The audience must feel the distinctly different tone that Bennie and his staff seek to convey. The Cutex feature sets the pace with Marjorie Gray speaking about "Care of the Hands" and John D. Barry talking afterward of "Correct Use of the English Language." Rounding out the hour, a sketch by Harry DeLasaux is presented. Music is semi-classical. It is left to Bennie to insure just the needed dash of informality.

Every Tuesday the NBC audience is reminded by Sunset Magazine that the "wild west" isn't wild at all, but a splendid place in which to live. Wright and Wedgewood features suggest that there is romance in home-making.

After the Oronite comedy the Easier Housekeeping period offers the Wednesday audience hints on how to lighten household duties, and Fuller, through Helen Webster, turns attention to the fashioning of attractive things—both necessities and novelties. Exceedingly diversified, this program affords jazz, semi-classical and classical music.

Foods reign through the three Thursday periods with appetizing recipes incorporating California Home Catsup and Rubettes offered by Ann Holden. Sara Treat speaks informally of viands and romance while the music is climaxed by Don Amaizo's violin selections.

Friday, besides the appearance before the microphone of the M. J. B. chef, there is Miss Holden's advice on the use of Kraft cheese and Alpine milk.

(The complete schedule of this week's magazine features will be found in the Broadcast Weekly program schedule.)

don't sell the
Cadillac prospect
a cheap car . .

KOLSTER
RADIO

Quality Merchandise
Stays Sold!

Kolster Radio Distributor

JOHN G. RAPP CORPORATION

123 Second Street

San Francisco, Calif.

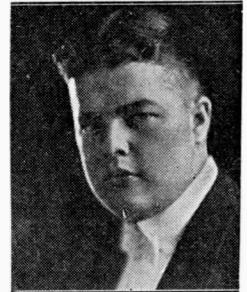
SUNDAY Programs

Nov. 24, 1929



Chas. Wm. Warriner
KJBS—2:30 p.m.

TIME	STATION	PROGRAM
11:00	KOA	



Sydney Dixon
KEX, KJR, KGA
6:00 p.m.

BEST BETS TODAY

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

Don Lee, Inc., San Francisco, Calif.

9 to 12 noon—"Home Sweet Home" concert
12 to 1:15 p.m.—Sherman & Clay noonday concert
1:15 to 2 p.m.—Sunday matinee, featuring Jean Wakefield, Dick McCaffrey and Tom Quirk, DLBS
2 to 2:30 p.m.—McKesson & Robbins, CBS
2:30 to 3 p.m.—Prest-o-lite program
3 to 3:45 p.m.—Grab Bag Hour, conducted by Monroe Upton and Merle Matthews
3:45 to 4 p.m.—Recordings
4 to 4:30 p.m.—Our Romantic Ancestors, CBS
4:30 to 5 p.m.—Talk by Dr. Louis I. Newman
5 to 5:30 p.m.—Paul Carson, organist; Lucille Atherton Harger, contralto; Marjorie Coletti, pianist, with violin and harp, DLBS
5:30 to 6 p.m.—Art Kahn and his Sonatrons, CBS
6 to 7 p.m.—Majestic "Theater of the Air"
7 to 7:30 p.m.—Robert Olsen, Harold Dana and Melody Sextette, DLBS
7:30 to 8 p.m.—Jesse Crawford, organist, CBS
8 to 9 p.m.—Charles Bulotti, tenor; Juanita Tennyson, soprano, and KFRC concert orchestra directed by Frank Moss, DLBS
9 to 11 p.m.—Val Valente and his Roof Garden Orchestra, DLBS
11 to 12 midnight—Herb Meyerick's Mandarin Band Mac, soloist

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

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

Hale Bros. & The Chronicle, San Francisco

9 to 9:45 a.m.—Sabbath Hour with Theodore Strong, organist, and the Clarions
9:45 to 10:45 a.m.—Interdenominational and non-sectarian church services; Dr. James C. Reid, pastor Howard Presbyterian Church
1 to 2 p.m.—KPO Salon Orchestra
2 to 5 p.m.—Studio program
5 p.m.—Bank of America of California
5 to 5:15 p.m.—Bill Gavin
5:15 to 6:15 p.m.—Collier Hour, NBC
6:15 to 7:15 p.m.—Atwater Kent program, NBC
7:15 to 8 p.m.—Evening musicale by Uda Waldrop, organist, with Harry Stanton, basso
8 to 8:30 p.m.—North American Quartet
8:30 to 9 p.m.—Rudy Seiger and his Fairmont Hotel concert orchestra
9 to 10 p.m.—Abas String Quartet, with Allan Wilson, tenor
10 to 10:15 p.m.—News digest, "Scotty" Mortland
10:15 to 10:30 p.m.—Organ recital, Theodore Strong

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

Fisher's Blend Station, Seattle, Washington

10 a.m.—International Bible Students' Ass'n
11 a.m.—Lucille Johnson, pianist, and G. Donald Gray, baritone
11:15 a.m.—Plymouth Congregational Church
12:15 p.m.—National Youth Conference, NBC
1 p.m.—Dr. S. Parkes Cadman Cathedral Hour, NBC
2:30 p.m.—A. C. Gilbert Co. program
3 p.m.—Sherlock Holmes drama, 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.—G. Donald Gray, baritone, and Rhena Marshall, soprano
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.—Musical program
8 p.m.—First Church of Christ, Scientist
9 p.m.—Studio program
9:30 to 11 p.m.—Artistic Ensemble

SUNDAY Programs

NBC

National Broadcasting Company

12 to 1 p.m.—National Youth Conference

With "Thanksgiving 1929" as his timely subject, Dr. Daniel A. Poling will speak again to a nation-wide audience. Dr. Poling will also be heard answering the questions of his auditors. A musical program, presented by a mixed vocal quartet and an orchestra under the direction of George Shackley, will complete the hour.

Broadcast through KGO, KOMO (12:15 to 1 p.m.) and KGW.

1 to 2:30 p.m.—Dr. S. Parkes Cadman Cathedral Hour

A non-denominational radio service, will be conducted in the Cathedral studio of the NBC system in New York City and broadcast through KGO, KHQ, KOMO and KGW (1:45 to 2:30 p.m.).

2:30 to 3 p.m.—Gilbert Sports Revue

A guest speaker and music by the Erector Buddies Band will be heard.

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

3 to 3:30 p.m.—Retold Tales

"A Case of Identity," another of the Sir Conan Doyle stories in which Sherlock Holmes plays the leading role. With Holmes will be found his friend and colleague, Dr. Watson. Together they will solve the mystery of the disappearance of Miss Mary Sutherland's fiancé. The noted detective, of course, is chiefly responsible for the surprising denouement of the tale.

Broadcast through KGO, KOMO and KGW.

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

Beginning their magic carpet journey with the overture to the most popular of all Ambroise Thomas' works, "Mignon," the Whittall Anglo-Persians will make another fanciful trip to many lands as they broadcast through KGO, KHQ, KOMO, KGW and KFI.

4 to 4:30 and 5 to 6:15 p.m.—Sunday Concert

Robert Turner, 15-year-old pianist and winner of the last Music Week contest in San Francisco, will bring his talent to the radio audience when he takes part in the second of the Sunday concerts. Mozart's "Concerto in D Minor," a virtuoso composition that is 35 pages in length, will be played entirely from memory by the young pianist. In the performance of this difficult number he will be accompanied by an orchestra headed by Charles Hart.

Supplementing the Turner contribution, which will mark his third appearance before an NBC microphone, will be a women's quartet singing gospel hymns and songs and the orchestra in several classical numbers.

Broadcast through KGO, KOMO and KGW. Station KGO will release the second concert.

4:30 to 5 p.m.—Duo Disc program

"The Kashmiri Love Song," which tells of the longing of a lover for the beautiful girl whose pale hands he held beside the Shallmar, will be played by the Duo Disc Orchestra. Besides the orchestral offerings, this program will include several vocal duets and a special interpretation of "Amoroso" by a combination of two violins and a harp.

Broadcast through KGO, KHQ, KOMO and KGW.

5:15 to 6:15 p.m.—Collier's Radio Hour

Samuel Insull, president of the Commonwealth Edison Company of Chicago and former secretary to Thomas A. Edison, will talk today. Since 1907 he has been the head of the Commonwealth Edison Company of Chicago. He is also president of the Chicago Civic Opera Company. The Collier's Radio Hour, which includes dramatized stories and musical interludes, will be heard through KOMO, KGW, KPO and KFI.

6:15 to 7:15 p.m.—Atwater Kent program

A nation-wide audience will hear another Atwater Kent program through NBC system stations KGO, KHQ, KOMO, KGW, KPO and KFI.

7:15 to 7:45 p.m.—Studebaker Champions

Fred Waldner, tenor, will be heard in two selections from "Rio Rita" during the Studebaker Champions' half-hour program of dance music. Jean Goldkette will direct and Buryl Retting and Dick Platt, the Piano Twins, again will be on the air.

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

7:45 to 8 p.m.—Details not available

8 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.

265.3 Meters

KSL

Channel 113

5000 Watts

Radio Service Corp., Salt Lake City, Utah

7:30 a.m.—Informal program

10 a.m.—Utah Educational Dept.

11 a.m.—Russian Balalaika Orchestra, NBC

11:30 a.m.—NBC Old World Trio

12 noon—"The Friendly Hour," NBC

1 p.m.—L. D. S. services from the Tabernacle

2:30 p.m.—A. C. Gilbert program, NBC

3 p.m.—Mutual Hour

3:30 p.m.—Anglo-Persians, popular orch., NBC

4 p.m.—"Ye Olde Towne Cryer"

4:30 p.m.—Baldwin piano program, NBC

5 p.m.—Salt Lake Federation of Labor

5:15 p.m.—Collier's Hour, NBC

6:15 p.m.—Atwater Kent Hour, NBC

7 p.m.—First Presbyterian Church services

7:30 p.m.—Mons. Hunt, Roman Catholic discourse

8 p.m.—Amos 'n' Andy, NBC

8:15 p.m.—L. D. S. Church services

9 p.m.—Criterion Male Quartet and Evans Sisters Trio

10:30 p.m.—Request Hour

309.1 Meters

KJR

Channel 97

5000 Watts

Northwest Radio Service Co., Seattle, Wash.

8 a.m.—Popular music

10 a.m.—Sidney Dixon, tenor; Marjorie Robillard, piano

12 noon—Dance music

1 p.m.—Y. M. C. A. program

1:30 p.m.—Services from the Stoneway Tabernacle

2 p.m.—Krasnoff's Lyric Hour

3:30 p.m.—Eltmore Vincent, tenor; Marjorie Robillard, piano

4:30 p.m.—Showboat Orchestra

5:30 p.m.—Glenn Eaton, tenor; Marjorie Robillard, piano

6 p.m.—Hour on Broadway

7 p.m.—Glenn Eaton, tenor; Zac Kalbach, saxophone

8 p.m.—The Imperial Grand Orchestra

9 p.m.—Los Gauchos Argentine Ensemble

10 p.m.—KJR Salon Orchestra

11 p.m.—Harmony Aces Dance Band

SUNDAY Programs

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

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.—Retold Tales
 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 p.m.—Studio concert
 6 to 6:15 p.m.—News Service
 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.—Studio program
 8 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

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.—Retold Tales, NBC
 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 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

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.—Concert from KFRC
 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.—McKeelson 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

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.—Jane S. Sands, pianist; Joan Ray, contralto
 7:30 to 9:30 p.m.—Tenth Ave. Baptist Church
 9:30 to 10 p.m.—Brunswick Hour
 10 to 11 p.m.—Studio 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.—Eldridge Buick concert
 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.—Studio program
 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
 12 to 1 a.m.—Just Another Hour

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

9:50 a.m.—Services of First Baptist Church, Denver
 12:30 to 1 p.m.—Catholic Radio Society
 1 to 2:30 p.m.—Dr. S. Parkes Cadman, N. Y.
 2:30 to 3 p.m.—A. C. Gilbert Co., N. Y.
 3 to 3:30 p.m.—Automatic Washers
 3:30 to 4 p.m.—Whittall Anglo Persians, NBC
 4 to 4:30 p.m.—Durant Motors, NBC
 4:30 to 5 p.m.—At the Baldwin, NBC
 5 to 5:15 p.m.—Enna Jettick Melodies, NBC
 5:15 to 6:15 p.m.—Collier’s Radio Hour, NBC
 6:15 to 7:15 p.m.—Atwater Kent Hour, NBC
 7:15 to 7:45 p.m.—Studebaker Champions, NBC
 7:45 to 8 p.m.—Master Musicians, NBC
 8 to 8:15 p.m.—Amos n’ Andy, NBC
 8:15 to 8:45 p.m.—The Solitaire Cowboys
 8:45 to 9 p.m.—Sam Herman, xylophonist, NBC
 9 to 9:15 p.m.—Everett E. Foster, baritone

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 to 9 p.m.—Concert orchestra; Emma Kimmel, soprano
 9 to 11 p.m.—Bill’s Ragtime Review

SUNDAY Programs

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.—Recordings
5 to 6 p.m.—Sunset concert
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, with Dorothy Lewis, contralto
8 to 9 p.m.—Old St. Mary's Church services
9 to 10 p.m.—Pacific Artists' Trio, 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

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

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
7:45 to 9:15 p.m.—Services, Fourth Church of Christ Scientist

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; musical selections by Stephenson Sisters; Bible lecture
11 to 12 noon—Select recordings
12 to 1 p.m.—The Aeolian Trio
1 to 1:25 p.m.—Bible questions and answers
1:25 to 2:30 p.m.—The Watch Tower program
6 to 7 p.m.—Community singing; Bible lecture; Bible dialogue; musical selections
7 to 7:45 p.m.—Studio program
9:15 to 10:15 p.m.—German program with lecture in German language
10:15 to 12 midnight—Studio program

254.1 Meters **KEX** **Channel 118**
1180 Kcys. **5000 Watts**

Western Broadcasting Co., Portland, Ore.
12 to 1 p.m.—Religious music
1 to 1:30 p.m.—Musical
1:30 to 2 p.m.—Classical recital
3:30 to 6 p.m.—Twilight Hour
6 to 7 p.m.—Agatha Turley, soprano; Sidney Dixon, tenor; Ellen Reep, contralto; Jean Kantner, baritone; Broadway Trio
7 to 8 p.m.—Glenn Eaton, tenor; Marjorie Robillard, piano; Zac Kalbach, saxophone
8 to 9 p.m.—Henri Damski's Imperial Grande Orchestra
9 to 10 p.m.—Los Gauchos Argentines; Elmore Vincent, tenor; Zac Kalbach, saxophone
10 to 11 p.m.—Concert ensemble; Ellen Reep, contralto; Sidney Dixon, tenor
11 to 12 midnight—Harmony Aces Dance Band

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

Copyright, 1929, E. C. Anthony, Inc., L. A.
10 a.m.—L. A. Church Federation program
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.—Musical program
8 p.m.—Packard Concert Orch., Pryor Moore, director
9 p.m.—Organ ensemble
10 p.m.—Wally Perrin's dance orchestra; Jean Dunn, soloist

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

Nichols & Warinner, Long Beach, Calif.
7 to 9 a.m.—Remote control KGFJ
9 to 10 a.m.—Orchestra and light opera records
10 to 11 a.m.—Organ recital
11 to 12:30 p.m.—St. Luke's Episcopal Church
12:30 to 1 p.m.—Musical program
1 to 2 p.m.—Hollywood Girls, novelty trio
2 to 2:30 p.m.—Rebroadcast, KGFJ
2:30 to 4 p.m.—Long Beach Municipal Band
4 to 5 p.m.—Organ recital
5 to 5:30 p.m.—Sunset Harmony Boys
5:30 to 6 p.m.—Studio group
6 to 6:30 p.m.—"Em and Clem"
6:30 to 7 p.m.—Studio group
7 to 8 p.m.—Hollywood Girls
8 to 9 p.m.—First Church of Christ, Scientist
9 to 11 p.m.—Hancock Oil Co.
11 to 12 midnight—Ben and Sally's Follies
12 to 3 a.m.—Recordings

204 Meters **KGA** **Channel 147**
1470 Kcys. **5000 Watts**

Northwest Radio Serv. Co., Spokane, Wash.
5 p.m.—Old favorites
6 p.m.—Hour on Broadway
7 p.m.—Glenn Eaton, tenor; Zac Kalbach, saxophone
8 p.m.—Damski's Imperial Grande Orchestra
9 p.m.—Los Gauchos Argentines
10 p.m.—Ellen Reep, contralto; Sidney Dixon, tenor
11 p.m.—Harmony Aces Dance Band

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

First Baptist Church, San Jose, Calif.
10:15 to 11 a.m.—Sunday School lessons by Fred J. Hart
11 to 12:30 p.m.—Morning services, First Baptist Church, conducted by Rev. Paul H. Ralston
7:30 to 9 p.m.—Evening services, First Baptist Church

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

Airfan Radio Corp., San Diego, Calif.
10 to 11 a.m.—Novelty Hour
11 to 12 noon—Popular program
12 to 2 p.m.—Lloyd Peck's old time program
2:30 to 3:30 p.m.—Organ concert
8 to 8:30 p.m.—Mildred Marini, Ted Nauman and Katherine Pike Skedden
8:30 to 10 p.m.—Hutons Hotel Del Coronado Concert Quartet

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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"

A striking radio dramalogue and a talk by John D. Barry are two features promised during the broadcast today. "Garden in the Rain" is the dramalogue title. Written by Harry De Lasaux, the sketch will be given a musical setting by Bennie Walker, Magazine editor. Marjorie Gray also will be on the air with a talk on hands during the Cutex feature.

Eileen Piggott, soprano, and Irving Kennedy, tenor, with the Magazine Melodists, will provide the musical program.

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

1:30 to 2:30 p.m.—Pacific Vagabonds

Walter Beban will direct the Pacific Vagabonds in a one-hour program of popular dance melodies when they broadcast through KGO and KGW.

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

One of Mendelssohn's sacred choral works, "Happy and Blest Are They," will be the Mormon Tabernacle choir's opening selection. Mascagni, chiefly famous for his opera, "Cavalleria Rusticana," will be represented at the close of the program by his "The Lord Victorious." Anthony C. Lund will direct the 300 singers in these selections.

Tracy Y. Cannon, organ accompanist, will also be heard as soloist.

Broadcast through KGO, KOMO, KGW and KPO.

3:30 to 3:45 p.m.—National Park Service Talks

Dr. George C. Ruhle, park naturalist at Glacier National Park, will be the speaker today.

In the 15-minute talk Dr. Ruhle, who is attending the National Park Service Conference being held this month at Berkeley, Calif., will tell listeners some of the most interesting points concerning Glacier National Park.

Broadcast through KGO, KHQ, KOMO and KGW.

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

Pointing out the significance of important events taking place in the national capital, William Hard will be heard in a 15-minute talk.

Broadcast through KGO and KGW.

6 to 6:30 p.m.—Edson program

Favorite musical selections of Grantland Rice, famous sports authority, will be played and sung during the Edison program.

This program is to be directed by Frank Black and will feature a concert orchestra and a vocal ensemble known as the Edisons.

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

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

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

7:30 to 8 p.m.—"The Empire Builders"

A familiar old Indian legend revealing how the buffalo returned to the hunting grounds of the red men after a year of famine will be retold tonight. Harvey Hays will be the narrator of this legend, broadcast over KGO, KHQ, KOMO, KGW and KFI.

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

Playing the famed Schumann "Traumerei" at the request of listeners, Rudy Seiger, violinist and conductor, will be heard as soloist during his Shell Symphonists' broadcast. Another request number is listed among the orchestral offerings—"Song of the Night," a composition by Uda Waldrop, well-known Pacific Coast organist.

A potpourri of Irish songs and dances in a special arrangement by Seiger will close the program, which includes a diversified list of light opera numbers and familiar light classics.

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

9 to 9:30 p.m.—"Voice of Firestone"

Max Dolin, Easton Kent, tenor; the Firestone Choristers, a male quartet; Marian Gilbert, contralto, and a 32-piece orchestra constitute the program personnel.

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

9:30 to 10 p.m.—The Cigar Band

Led by Walter Beban, the Cigar Band will present a half hour of original arrangements of the newest dance melodies. Vocal choruses augment the instrumental selections, which will be broadcast through KGO, KHQ, KOMO, KGW and KFI.

10 to 11 p.m.—Slumber Hour

With Lucile Kirtley and Harold Spaulding as the soloists and Max Dolin in the conductor's stand, the Slumber Hour will be broadcast through KGO, KSL and KOA.

11 to 12 midnight—Laughner-Harris Hotel St. Francis Dance Orchestra, KGO.

254.1 Meters

KEX

Channel 118

1180 Kcys.

5000 Watts

Western Broadcasting Co., Portland, Ore.

5 to 6 p.m.—Popular program

6 to 7 p.m.—Lyric Hour

7 to 7:30 p.m.—Classical program

9 to 9:15 p.m.—Popular program

9:15 to 9:30 p.m.—Melvin and Merciful

9:30 to 10 p.m.—Popular program

10 to 10:30 p.m.—Dance program

10:30 to 11:30 p.m.—Jack and Jill Dance Band

483.6 Meters

KGW

Channel 62

620 Kcs.

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 3:45 p.m.—National Park Service talks.

NBC

3:45 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 11 p.m.—Ben Selling's Boys

MONDAY Programs

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

General Electric Co., Oakland, California
 10:30 to 11:30 a.m.—Woman's Magazine of the Air
 11:30 to 12 noon—Philharmonic organ recital
 12 to 1 p.m.—Rembrandt Trio
 1 to 1:30 p.m.—NBC Debut Hour
 1:30 to 2:30 p.m.—Pacific Vagabonds
 3 to 3:30 p.m.—Mormon Tabernacle choir and organ recital, Salt Lake City
 3:30 to 3:45 p.m.—National Park Service Talks
 4:15 to 4:45 p.m.—Evening Reveries
 4:45 to 5 p.m.—Back of the News
 5 to 5:15 p.m.—Moment Musicale
 5:15 to 5:45 p.m.—Aunt Betty Kiddies' Klub
 5:45 to 6 p.m.—News Service
 6 to 6:30 p.m.—Edison program
 6:30 to 7:30 p.m.—General Motors
 7:30 to 8 p.m.—The Empire Builders
 8 to 9 p.m.—Rudy Seiger's Shell Symphonists
 9 to 9:30 p.m.—The Voice of Firestone
 9:30 to 10 p.m.—"The Cigar Band"
 10 to 11 p.m.—Slumber Hour
 11 to 12 midnight—Hotel St. Francis Dance Orchestra

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

12 to 2 p.m.—Records, latest releases
 2 to 2:15 p.m.—Health talk, Dr. Harbottle
 2:15 to 3 p.m.—Sacred recordings
 3 to 3:30 p.m.—Organ recital
 3:30 to 5:30 p.m.—Recordings; organ; news
 5:30 to 6 p.m.—Helene Smith, pianist
 6 to 6:05 p.m.—Lost and Found Department
 6:05 to 7 p.m.—Studio frolic
 7 to 8 p.m.—The Comic Strip of the Air
 8 to 11 p.m.—Grand opera recordings
 11 to 11:30 p.m.—Majestic Ballroom
 11:30 to 12 midnight—Silver Spray Orchestra
 12 to 1 a.m.—Recordings

309.1 Meters **KJR** **Channel 97**
970 Kcys. **5000 Watts**
 Northwest Radio Service Co., Seattle, Wash.

5:30 p.m.—Raymond D. Holmes, lecture
 6 p.m.—Elmore Vincent, tenor; Marjorie Robillard, piano
 6:15 p.m.—Stonewall Jackson, guitar
 6:30 p.m.—Hometowners' orchestra
 7:30 p.m.—Glenn Eaton, tenor; Marjorie Robillard, piano
 8 p.m.—Damski's Neapolitans; Agatha Turley, soprano; Sidney Dixon, tenor
 9 p.m.—Los Gauchos Argentine Ensemble
 10 p.m.—Salon orchestra and soloists
 11 p.m.—Cole McElroy's Spanish Dance Band

204 Meters **KGA** **Channel 147**
1470 Kcys. **5000 Watts**
 Northwest Radio Serv. Co., Spokane, Wash.

4 p.m.—Tea Hour concert
 4:30 p.m.—Uncle Andy
 5 p.m.—World Bookman
 6 p.m.—Melody Aces
 9 p.m.—Damski's Neapolitans
 10 p.m.—Request program
 11 p.m.—RKO-KGA Hour

535.4 Meters **KTAB** **Channel 56**
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
 1:30 to 2:30 p.m.—Recordings
 2:30 to 3:30 p.m.—Alice Blue, organist; Mabel Payne, soloist
 3:30 to 4 p.m.—Recordings
 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.—"Poke Bonnet Sisters"
 8 to 8:30 p.m.—Sunshine Boy and Alice Blue
 8:30 to 10 p.m.—Ice hockey, with Ernie Smith announcing
 10 to 11 p.m.—Melody Masters in concert
 11 to 12 midnight—Nite Owls; Pickwickians Dance Orchestra
 12 to 1 a.m.—Slumber Chasers

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 Kilmier'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," F. 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
 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.—Packard Concert Orch., Pryor Moore, director
 11 p.m.—KFI News Bureau

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

J. Brunton & Sons, San Francisco, Calif.
 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 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

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.—Magazine of the Air, NBC
11:30 to 11:45 a.m.—Art talk, Helen G. 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.—S. F. Branch American Penwomen
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.—The Treadors
10 to 11 p.m.—KPO String Quintet

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

Oakland Educational Society, Oakland, Cal.
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.—Don Dale
3 to 3:30 p.m.—Vera Endriss, soprano; Sybil Lind, violinist
3:30 to 4 p.m.—Ted and Mac
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

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

Warner Brothers, Hollywood, California
9 to 10 a.m.—Harmony Four
10 to 10:30 a.m.—Home Economics talk
10:30 to 11:15 a.m.—Radio varieties
11:15 to 12:30 p.m.—KFWB Quintet and soloists
12:30 to 2:10 p.m.—Radio varieties
2:10 to 2:40 p.m.—Art Rabst and his banjo
4:15 to 6 p.m.—Radio varieties program
6 to 6:30 p.m.—Dance orchestra
6:30 to 7 p.m.—Harry Jackson's entertainers
7 to 7:30 p.m.—Vitaphone recording organ
7:30 to 7:45 p.m.—Jean Leonard, "Wizard of the Ivories"
7:45 to 8 p.m.—Sports talk
8 to 9 p.m.—Leo Forbstein and his Vitaphone Recording Orchestra; First National stars and players in person
9 to 9:30 p.m.—Continuity program
9:30 to 10 p.m.—Don Warner's dance orchestra
10 to 10:30 p.m.—George Olson's orchestra
10:30 to 11:30 p.m.—Montmartre Cafe Orch.
11:30 to 12 midnight—George Olson's orchestra

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

Don Lee, Inc., San Francisco, Calif.
7 to 7:30 a.m.—"Simp'y 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 Skrivanik 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 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.—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.—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.—Sierra Symphonists, DLBS
7:30 to 8 p.m.—Paul Carson, pianist and Juliet Dunn, soprano
8 to 10 p.m.—"Golden State Blue Monday Jamboree"
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

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

General Electric Co., Denver, Colorado
5:30 to 5:55 p.m.—Brown Palace Hotel Orch.
5:55 to 6 p.m.—Berlin Boyd, Better Business Bureau
6 to 6:30 p.m.—Edison program, NBC
6:30 to 7:30 p.m.—General Motors, NBC
7:30 to 8 p.m.—Empire Builders, NBC
8 to 8:15 p.m.—Amos 'n' Andy, NBC
8:15 to 8:45 p.m.—Supreme Serenaders
8:45 to 9 p.m.—News of the World
9 to 9:30 p.m.—The Voice of Firestone, NBC
9:30 to 10 p.m.—KOA String Trio
10 to 11 p.m.—Slumber Hour, NBC

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
5:50 p.m.—Conservation of Vision
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

MONDAY 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
 9:30 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 Luboviski, master violinist; Claire Mellonino, pianist; Walter V. Ferner, cellist
 9 to 9:30 p.m.—Courtesy 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

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

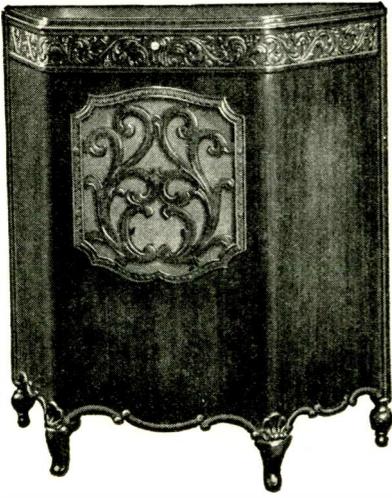
Louis Wasmer, Inc., Spokane, Washington
 6:45 to 7 a.m.—Inspirational service
 7 to 8 a.m.—Making Merry with Sperry, KPO
 8 to 9 a.m.—Shell Happy Time, KPO
 9 to 10 a.m.—Musical Bazaar
 10 to 10:30 a.m.—Sunshine program
 10:30 to 11:30 a.m.—Woman’s Magazine of the Air, NBC
 11:30 to 12 noon—Farmers’ 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 3:45 p.m.—National Park Service talks, NBC
 3:45 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 10:30 p.m.—Brunswick Brevities
 10:30 to 11 p.m.—Bridge lessons
 11 to 11:15 p.m.—Marmola So-A-Tone
 11:15 to 11:30 p.m.—Matched Units Hour
 11:30 to 12:30 a.m.—Liberty Theater organ
 12:30 to 1:30 a.m.—Just Another Hour

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
 10:15 a.m.—Fred Lynch, tenor, and Greenwood Mitchell, baritone
 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—Dept. of Agriculture Farm Talk
 12:15 p.m.—What to Prepare for Dinner
 12:30 p.m.—Orchestra; Agnes Skartvedt and H. Morris
 1 p.m.—Orchestra; VeOna Socolofsky, soprano; Greenwood Mitchell, baritone, and Rhena Marshall, soprano
 3 p.m.—Tabernacle choir and organ recital, NBC
 3:30 p.m.—National Park talk, NBC
 3:45 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.—Artistic Ensemble with Ferdin Korsmo, tenor, and G. Donald Gray, baritone
 5:45 p.m.—Tim’s Pep Rally
 6 p.m.—Edison Recorders, NBC
 6:30 p.m.—General Motors Party, NBC
 7:30 p.m.—Empire Builders, NBC
 8 p.m.—Rudy Seiger’s Shell Symphonists, NBC
 9 p.m.—Voice of Firestone, NBC
 9:30 p.m.—The Cigar Band, NBC
 10 p.m.—University of Washington Hour
 10:45 p.m.—News flashes
 11 p.m.—Dance orchestra
 12 midnight—Theater organ recital

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

7 to 7:30 a.m.—Physical culture period
 7:30 to 7:40 a.m.—Stock Exchange reports
 7:40 to 8 a.m.—Recordings
 8 to 9 a.m.—“Cheerio” conducted by Baron Keyes
 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 11:45 a.m.—Patterns in Print, CBS
 11:45 to 12 noon—Normalizer Sales 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.—Recordings
 3:15 to 3:30 p.m.—Madame Anne Till, psycho-analysis
 3:30 to 3:45 p.m.—M. Murray, “Home Problems”
 3:45 to 4 p.m.—Recordings
 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.—Silverwood’s orch. and singers
 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 Burnnett’s Dance Orchestra
 12 to 1 a.m.—Organ recital



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 PLEASANTON—Electric Service Shop
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 PORTOLA—E. T. Alderman
 RAVENDALE—Ravendale Mercantile
 REDDING—W. H. Bergh
 RED BLUFF—Thackeray's Elec. Shop, 628 Main St.
 REDWOOD CITY—Peninsula Radio Serv. Sta., 740 Broadway
 Reinhard & Co., 2025 Broadway
 RICHMOND—C. R. Alexander, 1119 MacDonald Ave.
 RIPON—Turner Hdwe. & Imp. Co.
 RODEO—Rodeo Elec. Co.
 ROSEVILLE—Franklin Elec. Co., 225 Vernon St.
 SACRAMENTO—Johnston Roper Co., 1234 J St.
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 Dunbar Radio Service, 3639 Balboa St.
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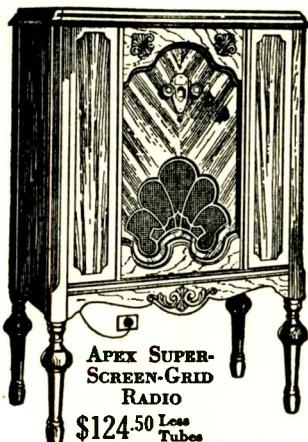
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KFUO—St. Louis, Mo., Concordia T. Sm.	500	
KFYR—Bismark, N. D., Hoskins-Meyer.....	500	
KOAC—Corvallis, Ore., Ore. St. Agr. Col.	1000	
KSD—St. Louis, Mo., Pulitzer Pub. Co.....	500	
WGR—Amherst, N. Y., WGR, Inc.....	1000	
WKRC—Cincinnati, Ohio, J. S. Boyd.....	500	

560 Kcys.—535.4 Mtrs.		
KFDM—Beaumont, Tex., Mag. Pet. Co.....	500	
KFEQ—St. Joseph, Mo., Scroggins Bank.....	2500	
(Daytime only)		
KLZ—Dupont, Col., Reynolds Radio Co.....	1000	
KTAB—Oakland, Cal., Associated Broad.....	1000	
WFI—Philadelphia, Penn., Strawbridge.....	500	
WIOD—Miami, Fla., Isle of Dreams Co.....	1000	
WLIT—Philadelphia, Penn., Lit Bros.....	500	
WMBF—Miami Beach, Fla., Fleetwood.....	500	
WNOX—Knoxville, Tenn., Sterchi Bros.....	1000	
WOI—Ames, Iowa, Iowa State College.....	3500	
(Daytime only)		

570 Kcys.—526 Mtrs.		
KGKO—Wichita Falls, Tex., Brdg. Co.....	250	
KMTR—Hollywood, Cal., KMTR Radio.....	1000	
KUOM—Missoula, Mont., State U. of M.....	500	
KXA—Seattle, Wash., Amer. Rad. Tel.....	500	
WEAO—Columbus, O., Ohio State Univ.....	750	
WIBO—Desplaines, Ill., Nelson Bros.....	1000	
WKBN—Youngstown, Ohio, Williamson.....	500	
WMAC—Cazenovia, N. Y., O. B. Meredith	250	
WMCA—New York, Knickerbocker Bros.....	500	
WNAX—Yankton, S. D., Gurney Seed Co.....	1000	
WNYC—New York City, N. Y.—D. of P. S.	500	
WPCC—Chicago, Ills., No. Shore Cong.....	500	
WSYR—Syracuse, N. Y., Clive B. Meredith	250	
WWNC—Asheville, N. C., Citizens' Broad.	1000	

580 Kcys.—516.9 Mtrs.		
CHMA—Christian and Missionary Alliance, Edmonton, Alberta.....	250	
CHNC—Toronto Radio Research Society, Hillcrest Park, Toronto, Ontario.....	500	
CJCA—Edmonton, Alberta, Journal.....	500	
CJSC—Evening Telegram, Toronto, Ont.....	500	
CKCL—Dominion Battery Co., Toronto.....	500	
CKNC—Canadian National Carbon Co., Hillcrest Park, Toronto, Ontario.....	500	
CKUA—Univ. of Alberta, Edmonton, Alta.	500	
CNRE—Can. Nat'l Railways, Edmonton.....	500	
KGFX—Pierre, S. D., Dana McNeil.....	200	
(Daytime only)		
KSAC—Manhattan, Kansas, State Ag. Col.	500	
WOBU—Charleston, W. Va., Radio Br. Co.	250	
WSAZ—Huntington, W. Va., McKellar El.	250	
WSUI—Iowa City, Iowa, State University.	500	
WTAG—Worcester, Mass., Telegraph Pub.	250	

590 Kcys.—508.2 Mtrs.		
KHQ—Spokane, Wash., Louis Wasmer.....	1000	
WCAJ—Lincoln, Neb., Wesleyan Univ.....	500	
WEEL—Boston, Mass., Edison Elec. Co.....	500	
WEMC—Berrien Springs, Mich., College.....	1000	
(Daytime only)		
WOW—Omaha, Neb., W.O.W. Life Ins.....	1000	

600 Kcys.—499.7 Mtrs.		
CFCH—Abitibi Power & Paper Co., Iroquois Falls, Ontario.....	250	

Kilocycles—Meters Power

CJRM—Jas. Richardson & Sons, Moose Jaw, Saskatchewan.....	500	
CJRW—Jas. Richardson & Sons, Fleming, Saskatchewan.....	500	
KFSD—San Diego, Cal., Airfan Radio.....	500	
WCAC—Storrs Conn. St. Agr. College.....	500	
WCAO—Baltimore, Md., Monument Radio	250	
WEBW—Beloit, Wis., Beloit College.....	350	
(Daytime only)		
WOAN—Lawrenceb'g, Tenn., J. Vaughan.	500	
WREC—Whitehaven, Tenn., WREC, Inc.....	500	
WTIC—Hartford, Conn., Travelers, Ins.....	250	

610 Kcys.—491.5 Mtrs.		
KFRC—San Francisco, Cal., Don Lee.....	1000	
WDAF—Kansas City, Mo., Star Pub. Co.....	1000	
WFAN—Philadelphia, Penn., Keystone.....	500	
WIP—Philadelphia, Penn., Gimble Bros.....	500	
WOQ—Kansas City, Mo., U. of S. Chris.....	1000	

620 Kcys.—483.6 Mtrs.		
KFAD—Phoenix, Arizona, Elec. Equip.....	500	
KGW—Portland, Ore., Oregonian Pub. Co.....	1000	
WDAE—Tampa, Florida, Tampa Pub.....	1000	
WDBO—Orlando, Fla., Rollins College.....	1000	
WJAY—Cleveland, O., Cleveland Radio.....	500	
WLBZ—Bangor, Me., Maine Broad., Inc.....	250	
WTMJ—Brookfield, Wis., The Journal.....	2500	

630 Kcys.—475.9 Mtrs.		
CFCT—Victoria, B. C., Broad. Assn.....	500	
CJGX—Winnipeg Gr. Ex., Yorkton, Sask.	500	
CNRA—Can. Nat. Rwys. Moncton, N. B.....	500	
KFRU—Columbia, Mo., Stevens College.....	500	
WGBF—Evansville, Ind., Evansville Air.....	500	
WMAL—Wash., D. C., M. A. Leese Co.....	250	
WOS—Jefferson City, Mo., St. Mar. Bur.....	500	

640 Kcys.—468.5 Mtrs.		
KFI—Los Angeles, Cal., E. C. Anthony.....	5000	
WAIU—Columbus, Ohio, Amer. Ins. U.....	500	

650 Kcys.—461.3 Mtrs.		
WSM—Nashville, Tenn., Nat'l Life Ins.....	5000	

660 Kcys.—454.3 Mtrs.		
WAAW—Omaha, Neb., Omaha Grain Ex.....	500	
(Daytime only)		
WEAF—Bellmore, N. Y., Nat'l Br. Co.....	50,000	

670 Kcys.—447.5 Mtrs.		
WMAQ—Addison, Illinois, Daily News.....	5000	

680 Kcys.—440.9 Mtrs.		
KPO—San Francisco, Calif., Hale Bros.....	5000	
WPTE—Raleigh, N. C., Durham Life Ins.....	1000	

690 Kcys.—434.5 Mtrs.		
CFAC—Calgary Herald, Calgary, Alberta.....	500	
CFCN—W. W. Grant, Calgary, Alberta.....	1800	
CHCA—Albertan Pub., Calgary, Alberta.....	250	
CJCT—Radio Serv. & Rep., Calgary, Alta.	250	
CKCO—Dr. G. M. Geldert (for Ottawa Radio Assn.) Ottawa, Ontario.....	100	
CNRC—Can. Nat. Rys., Calgary, Alberta.....	500	
CNRO—Can. Nat. Rys., Ottawa, Ontario.....	500	

700 Kcys.—428.3 Mtrs.		
WLW—Cincinnati, Ohio, Crosley Rad.....	50,000	

SPARTON sounds every syllable . . . FACE-TO-FACE REALISM

Kilocycles—Meters Power

710 Kcys.—422.3 Mtrs.			
KEJK—Beverly Hills, Cal., MacMillan.....	500		
WOR—Newark, N. J., L. Bamberger Co.....	5000		
720 Kcys.—416.4 Mtrs.			
WGN-WLIB—Chicago, Ill., Tribune.....	25,000		
730 Kcys.—410.7 Mtrs.			
CHLS—W. G. Hassell, Vancouver, B. C.....	50		
CHYC—North. Elec. Co., Montreal, Que.....	750		
CKAC—LaPresse Pub., Montreal, Que.....	1200		
CKCD—Vancouver, B. C., Daily Province..	50		
CKFC—United Ch. of Can., Vancouver.....	50		
CKMO—Sprout-Shaw, Vancouver, B. C.....	50		
CKWX—Holstead & Hanlon, Vancouver.....	100		
CNRM—Can. Nat. Rys., Montreal, Que.....	1000		
740 Kcys.—405.2 Mtrs.			
KMMJ—Clay Center, Neb., M. M. Johns'n.....	1000		
(Daytime only)			
WSB—Atlanta, Georgia, Journal.....	10,000		
750 Kcys.—399.8 Mtrs.			
WJR-WCX—Detroit, Mich., WJR, Inc.....	5000		
760 Kcys.—394.5 Mtrs.			
KVI—Des Moines, Wash., Puget Sound Co.....	1000		
WEW—St. Louis, Mo., St. Louis Univ.....	1000		
(Daytime only)			
WJZ—N. Y. City, Radio Corp. of Amer.....	30,000		
770 Kcys.—389.4 Mtrs.			
KFAB—Lincoln, Nebraska, Buick Co.....	5000		
WBBM—Chicago, Ill., Atlas Inv. Co.....	10,000		
WJBT—Consolidated with WBBM			
780 Kcys.—384.4 Mtrs.			
CKY—Man. Tel. Sys., Winnipeg, Manitoba	500		
CNRW—Can. Nat. Rys., Winnipeg, Man.....	500		
KELW—Burbank, Calif., Earl L. White.....	500		
KTM—Santa Monica, Cal., Pickwick Co.....	500		
WBSO—Wellesley, Mass., Babson's Stat.....	250		
(Daytime only)			
WEAN—Providence, R. I., Shepard Co.....	250		
WMC—Memphis, Tenn., Comm. Appeal.....	500		
WTAR-WPOR—Norfolk, Va., WTAR Co.....	500		
790 Kcys.—379.5 Mtrs.			
KGO—Oakland, Cal., General Elec. Co.....	7500		
WGY—Schenectady, N. Y., Gen. Elec.....	50,000		
800 Kcys.—374.8 Mtrs.			
KTHS—Hot Springs, Ark., C. of C.....	10,000		
WBAP—Ft. Worth, Tex., Carter Pub.....	50,000		
WFAA—Dallas, Texas, The Dallas News....	500		
810 Kcys.—370.2 Mtrs.			
WCCO—Minneapolis, Minn., Broad. Co.....	7500		
WPCH—New York, Eastern Broad., Inc.....	500		
820 Kcys.—365.6 Mtrs.			
WHAS—Louisville, Ky., Courier-Journal.....	10,000		
830 Kcys.—361.2 Mtrs.			
KOA—Denver, Colo., Gen. Elec. Co.....	12,500		
WHDH—Gloucester, Mass., Matheson Co.....	1000		
840 Kcys.—356.9 Mtrs.			
CFCA—Star Pub. Co., Toronto, Ontario.....	500		
CHCT—Tull & Ardern, Red Deer, Alta.....	1000		
CJBC—Jarvis St. Bapt., Toronto, Ont.....	500		
CKLC—Alta. Pac. Gr. Co., Red Deer, Alta.....	1000		
CKOW—Nestle's Food of Toronto, Canada	500		
CNRT—Can. Nat. Rys., Toronto, Ontario.....	500		

Kilocycles—Meters Power

850 Kcys.—352.7 Mtrs.			
KWKH—Kennonwood, La., Henderson.....	5000		
WWL—New Orleans, La., Loyola Univ.....	5000		
860 Kcys.—348.6 Mtrs.			
KFQZ—Hollywood, Cal., Taft Radio Co.....	250		
WABC—New York City, Atlantic Broad.....	5000		
WBOQ—Consolidated with WABC			
870 Kcys.—344.6 Mtrs.			
WBCN—Consolidated with WENR			
WENR—Chicago, Ill., Gr. Lakes Broad.....	50,000		
WLS—Crete, Ill., Agr. Brgd. Co.....	5000		
880 Kcys.—340.7 Mtrs.			
CHCS—Hamilton, Ontario, Spectator.....	10		
CHML—Maple Leaf Radio Co., Mount Hamilton, Ontario.....	50		
CHRC—E. Fontaine, Quebec, Quebec.....	5		
CKCI—Le "Soleil," Quebec, Quebec.....	22½		
CKCV—G. A. Vandry, Quebec, Quebec.....	50		
CKOK—Wentworth Radio, Hamilton, Ont.....	100		
CNRQ—Can. Nat. Rys., Quebec, Quebec.....	50		
KPKA—Greeley, Col., St. Teach. College.....	500		
KLX—Oakland, Cal., Tribune Pub. Co.....	500		
KPOF—Denver, Colo., Pillar of Fire, Inc.....	500		
WCOO—Columbus, Miss., Crystal Oil Co.....	500		
WGBI—Scranton, Penn., Scranton, Broad.....	250		
WQAN—Scranton, Penn., Scranton Times	250		
890 Kcys.—336.9 Mtrs.			
CFBO—C. A. Munroe, St. Johns, N. B.....	50		
KFNF—Shenandoah, Iowa, Field Seed Co.....	500		
KGJF—Little Rock, Ark., 1st Ch. Nazarene	250		
KUSD—Vermillion, S. D., Univ. of S. D.....	500		
WGST—Atlanta, Georgia, Sch. of Tech.....	250		
WILL—Urbana, Ill., U. of Ill.....	250		
WJAR—Providence, R. I., Outlet Co.....	250		
WKAQ—San Juan, P. R., Radio Corp.....	500		
WMAZ—Macon, Ga., Jr. Chamber of Com.....	250		
WMMN—Holt Rowe, Fairmont, W. Va.....	250		
900 Kcys.—333.1 Mtrs.			
KGBU—Ketchikan, Alaska, Radio Serv.....	500		
KHJ—Los Angeles, Cal., Don Lee, Inc.....	1000		
KSEI—Pocatello, Idaho, KSEI Broadcast.....	250		
WFBL—Syracuse, N. Y., Onondaga Co.....	750		
(Daytime only)			
WFLA—Clearwater, Florida, Ch. of Com.....	1000		
WKY—Okl. City, Okla., Radiophone Co.....	1000		
WLBL—Stevens Pt., Wis., Dept. of Mark.....	2000		
(Daytime only)			
WMAK—Martinsville, N. Y., WMAK Br.....	750		
WSUN—Clearwater, Florida, St. Peters- burg Chamber of Commerce.....	1000		
910 Kcys.—329.5 Mtrs.			
CJGC—London, Ontario, Free Press.....	500		
CFQC—Electric Shop, Saskatoon, Sask.....	500		
CJHS—Radio Service, Saskatoon, Sask.....	250		
CNRS—Can. Nat. Rys., Saskatoon, Sask.....	500		
920 Kcys.—325.9 Mtrs.			
KOMO—Seattle, Wash., Fishers Blend St.....	1000		
KPRC—Houston, Tex., Houston Ptg. Co.....	1000		
WAAF—Chicago, Ill., Drivers Journal.....	500		
(Daytime only)			
WWJ—Detroit, Michigan, Detroit News.....	1000		
930 Kcys.—322.4 Mtrs.			
CHNS—North. Electric, Halifax, N. S.....	100		
KFWI—San Francisco, Cal., Radio Ent.....	500		
KFWM—Oakland, Cal., Oak. Ed. Soc.....	500		
KGBZ—York, Neb., Geo. R. Miller.....	500		
KMA—Shenandoah, Iowa, May Seed Co.....	500		
WBRG—Birmingham, Alabama, Br. Co.....	500		
WDBJ—Roanoke, Va., Richardson Elec.....	250		
WIBG—Elkins Pk., Penn., St. Paul's Ch.....	50		
(Daytime only)			

SPARTON is the *only* EQUASONNE . . . Radio's Richest Voice

Kilocycles—Meters

Power

940 Kcys.—319 Mtrs.			
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KFEL—Denver, Colo., E. P. O'Fallon.....	250
KFXF—Denver, Colo., Pikes Peak Broad....	250
KGU—Honolulu, Hawaii, M. A. Mulrony....	500
KOIN—Portland, Oregon, KOIN, Inc.....	1000
WCSH—Portland, Maine, Congress H.....	500
WFIW—Hopkinsville, Ky., Acme Mills.....	1000
WHA—Madison, Wis., University of Wis....	750

950 Kcys.—315.6 Mtrs.			
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KFWB—Hollywood, Cal., Warner Bros.....	1000
KGHL—Billings, Mont., Northwest Auto....	500
KMBC—Independence, Mo., Midland Br.....	1000
WHB—Kansas City, Mo., Sweeney Sch.....	500
WRC—Wash., D. C., Radio Corp. Amer.....	500

960 Kcys.—312.3 Mtrs.			
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CFCY—The Island Radio Co., Charlotte-	
town, Prince Edward Island.....	100
CFRB—Standard Radio Mfg. Corp.,	
York County, Ontario.....	1000
CHCK—W. E. Burke, Charlottetown,	
Prince Edward Island.....	30
CJBR—Saskatchewan Co-operative Wheat	
Producers, Regina, Saskatchewan.....	500
CKCK—Leader Pub. Co., Regina, Sask.....	500
CKGW—Gooderham & Worts, Bowman-	
ville, Ontario.....	5000
CNRR—Can. Nat. Rys., Regina, Saska.....	500

970 Kcys.—309.1 Mtrs.			
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KJR—Seattle, Wash., Ralph A. Horr.....	5000
WCFL—Chicago, Ill., Fed. of Labor.....	1500

980 Kcys.—303.9 Mtrs.			
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KDKA—Pittsburg, Pa., Westinghouse.....	50,000
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990 Kcys.—302.8 Mtrs.			
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WBZ—E. Springfield, Mass., West. El.....	15,000
WBZA—Boston, Mass., Westinghouse El..	500

1000 Kcys.—299.8 Mtrs.			
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KFVD—Culver City, Cal., Los Ang. Br. Co.	250
WHO—Des Moines, Iowa, Bankers Life.....	5000
WOC—Davenport, Iowa, Palmer Chiro.....	5000

1010 Kcys.—296.9 Mtrs.			
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CFLC—Radio Assn. of Prescott, Ontario..	50
CKCR—J. Patterson, Brantford, Ontario..	50
CKSH—City of St. Hyacinthe, Quebec.....	50
KGGF—Picher, Okla., D. L. Connell.....	500
KQW—San Jose, Cal., 1st Baptist Church	500
WHN—New York City, M. Loew.....	500
WNAD—Norman, Okla., Univ. of Okla.....	500
WQAO—WPAP—Cliffside, N. J., Bapt. Ch.	250
WRNY—New York City, Avia'n Rad. Sta.	250

1020 Kcys.—293.9 Mtrs.			
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KYW-KFKX—West. El. Co., Chicago, Ill....	5000
KYWA—West. El. Co., Chicago.....	500
WRAX—Phila. Penn., Berachach Ch., Inc.	250

1030 Kcys.—291.1 Mtrs.			
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CFCE—Can. Marconi, Montreal, Quebec....	1650
CJOR—Chandler, Sea Island, British Col... 50	
CNRV—Can. Nat. Rys., Vancouver, B. C... 500	

1040 Kcys.—288.3 Mtrs.			
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KRLD—Dallas, Texas, KRLD, Inc.....	10,000
KTHS—Hot Springs, Ark., C. of C.....	10,000
WKAR—E. Lansing, Mich. State College... 1000	
(Daytime only)	
WKEN—Buffalo, N. Y., WKEN, Inc.....	1000

1050 Kcys.—285.5 Mtrs.			
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KFKB—Milford, Kans., J. R. Brinkley.....	5000
KNX—Hollywood, Cal., Western Broad.....	5000

Kilocycles—Meters

Power

1060 Kcys.—282.8 Mtrs.			
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KWJJ—Portland, Ore., Wilbur Jerman.....	500
WBAL—Baltimore, Md., Cons. Gas Co....	10,000
WJAG—Norfolk, Nebraska, Daily News....	1000
WTIC—Hartford, Conn., Travelers Corp... 50,000	

1070 Kcys.—280.2 Mtrs.			
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KJBS—San Francisco, Julius Brunton.....	100
WAAT—Jersey City, N. J., Bremer Broad.	250
(Daytime only)	
WCAZ—Carthage, Ill., Carthage College... 100	
(Daytime only)	
WDZ—Tuscola, Ill., James I. Bush.....	100
(Daytime only)	
WEAR—Cleveland, Ohio, WTAM, WEAR... 1000	
WTAM—Cleveland, O., WTAM, WEAR....	3500

1080 Kcys.—277.6 Mtrs.			
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WBT—Charlotte, N. C., WBT, Inc.....	5000
WCBZ—Zion, Ill., Wilbur Voliva.....	5000
WMBI—Chicago, Ill., Moody Bible Ins....	5000

1090 Kcys.—275.1 Mtrs.			
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KMOX-KFQA—St. Louis, Mo.....	5000
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1100 Kcys.—272.6 Mtrs.			
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KGDM—Stockton, Calif., E. F. Pepper.....	50
(Daytime only)	
WLWL—New York City, M. S. St. Paul... 5000	
WPG—Atlantic City, N. J., Municipality... 5000	

1110 Kcys.—270.1 Mtrs.			
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KSOO—Sioux Falls, S. D., Broad. Assn....	1000
(Daytime only)	
WRVA—Mechanicsville, Va., Larus Bro... 5000	

1120 Kcys.—267.7 Mtrs.			
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CFJC—N. S. Dalglish & Sons and Weller	
& Weller, Kamloops, British Columbia...	15
CFRC—Queens University (Dept. of Elec.	
Eng.) Kingston, Ontario.....	500
CHGS—Holman, Summerside, Pr. E. Isl.	25
CJOC—J. E. Palmer, Lethbridge, Alberta..	50
CKPR—E. O. Swan, Midland, Ontario.....	50
KFSG—Los Angeles, Cal., Echo Pk. Evan.	500
KMIC—Inglewood, Cal., Daltons, Inc.....	500
KRSC—Seattle, Wash., Radio Sales Corp..	50
(Daytime only)	
KUT—Austin, Texas, English & Stacy.....	500
WCOA—Pensacola, Florida, City of Pens.	500
WDEL—Wilmingtom, Del., WDEL, Inc.....	500
WHAD—Milwaukee, Wis., Mar. Univ.....	250
WISN—Milwaukee, Wis., Evening Wis.....	250
WTAW—College Sta. Tex., Agric. College	500

1130 Kcys.—265.3 Mtrs.			
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KSL—Salt Lake City, Utah, Radio Serv....	5000
WJJD—Mooseheart, Ill., Supreme Lodge... 20,000	
WOV—New York City, Int'l Broad. Corp... 1000	
(Daytime only)	

1140 Kcys.—263 Mtrs.			
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KVOO—Tulsa, Okla., Southwestern Sales.	5000
WAPI—Birmingham, Ala., Poly Inst.....	5000

1150 Kcys.—260.7 Mtrs.			
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WHAM—Rochester, N. Y., Stromberg.....	5000
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1160 Kcys.—258.5 Mtrs.			
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WOWO—Ft. Wayne, Ind., Main Auto.....	10,000
WVVA—Wheeling, W. Va., Br. Corp.....	5000

1170 Kcys.—256.3 Mtrs.			
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KTNT—Muscatine, Iowa, N. Baker.....	5000
WCAU—Philadelphia, Penn., Univ. Broad... 1000	

Hear the new SPARTON EQUASONNE . . . see the new Models

Kilocycles—Meters

Power

Kilocycles—Meters	Power
1180 Kcys.—254.1 Mtrs.	
KEX—Portland, Ore., Western Broad.....	5000
KOB—State College, N. M., Col. of Agr. 10,000	
WDGY—Minneapolis, Minn., G. W. Young.....	1000
WGBS—Astoria, N. Y., Gen. Broad. Co.....	500
WHDI—Minneapolis, Minn., Dunwoody.....	500
1190 Kcys.—252 Mtrs.	
WICC—Easton, Conn., Brd. Station.....	500
(Daytime only)	
WOAI—San Antonio, Tex., Southern Eq.....	5000
1200 Kcys.—249.9 Mtrs.	
KFHA—Gunnison, Colo., West. St. College	100
KFJB—Marshalltown, Ia., Marshall El.....	100
KFKZ—Kirksville, Mo., N. E. Mo. Tch. Col.	50
KFWF—St. Louis, Mo., Truth Center.....	100
KFXM—San Bernardino, Cal., Lee Bros.....	100
KGCC—Mandan, N. D., Mandan Radio.....	100
KGDE—Fergus, Minn., Jaren Drug Co.....	100
KGDY—Oldham, S. D., Albert Loesch.....	15
KGEK—Yuma, Colo., Beeher, Elec. Eq.....	50
KGEW—City of Fort Morgan, Colorado.....	100
KGFJ—Los Angeles, Cal., B. McGlashan.....	100
KGFK—Hallock, Minn., Lutz & Mitchell.....	50
KGHI—Little Rock, Ark., First Bap. Ch.....	100
KGY—Lacey, Wash., St. Martins Col.....	50
(Daytime only)	
KPPC—Pasadena, Cal., Pasadena Pr. Ch.	50
KSMR—Santa Maria, Cal., S. M. Val. R. R.	100
KVOS—Bellingham, Wash., KVOS, Inc.....	100
KWG—Stockton, Cal. (Portable Wireless)	100
KXO—El Centro, Cal., E. R. Irey.....	100
WABI—Bangor, Maine, 1st Univ. Church	100
WABZ—New Orleans, La., Col. Pl. Bap. T.	100
WBBY—Charleston, S. C., Wash. L. Inf.....	75
WBBZ—Ponca City, Okla., C. L. Carrell.....	100
WCAT—Rapid City, S. D., St. Sch. Mines	100
WCLO—Kenosha, Wis., C. Whittemore.....	100
WCOD—Harrisburg, Pa., Norman Hoffman	100
WEPS—Gloucester, Mass., Matheson Rad.	100
WFBC—Knoxville, Tenn., 1st Bap. Ch.....	50
WHBC—Canton, Ohio, St. Johns Cath. Ch.	10
WHBY—West Deperre, Wis., St. Norb. Col.	100
WIBX—Utica, N. Y., WIBX, Inc.....	300
WIL—St. Louis, Mo., Missouri Br. Corp.....	100
WJBC—LaSalle, Ill., Hummer Furn. Co.....	100
WJBL—Decatur, Ill., Gushard Drygoods.....	100
WJBW—New Orleans, La., C. C. Carlson	30
WKJC—Lancaster, Penn., Kirk-Johnson.....	100
WLAP—Louisville, Ky., Amer. Broad.....	30
WLBG—Petersburg, Va., Robt. A. Gamble	100
WMAY—St. Louis, Mo., King's Hgy. Pres.	100
WMT—Waterloo, Iowa, Brdg. Co.....	100
WNBO—Washington, Pa., J. B. Spriggs.....	100
WNBW—Carbondale, Penn., Home Glass	5
WNBX—Springfield, Vt., 1st Cong. Ch.....	10
WORC—Webster, Mass., John Ralph.....	100
WRAF—LaPorte, Ind., Radio Club, Inc.....	100
WRBL—Columbus, Ga., David Parmer.....	50
WWAE—Hammond, Ind., Brdg. Co.....	100
1210 Kcys.—247.8 Mtrs.	
CFCO—Western Ontario Better Radio	
Club, Chatham, Ontario.....	25
CFNB—Neill & Sons, Frederickton, N. B.....	50
CHWK—Chilliwack Broadcasting Co.,	
Chilliwack, British Columbia.....	5
CKMC—R. L. MacAdam, Cobalt, B. C.....	50
CKPC—Wallace Russ, Preston, Ontario.....	25
KDFN—Casper, Wyo., Donald Hathaway.....	100
KDLR—Devils Lake, N. D., Radio Elec.....	100
KFOR—Lincoln, Neb., Howard Shuman.....	100
KFVS—Cape Girardeau, Mo., Hirsch Bat.	100
KGCR—Watertown, S. D., Cutler's Radio.....	100
KMJ—Fresno, Cal., The Fresno Bee.....	100
KPCB—Seattle, Wash., Pac. Coast Biscuit	100
KPQ—Seattle, Wash., Taft & Wasmer.....	100
KWEA—Shreveport, La., Wm. E. Antony	100
WBAX—Wilkes-Barre, Penn., P. Stenger	100
WCBS—Springfield, Ill., Dewing & Mester.....	100
WCOH—Greenville, N. Y., West. Broad.....	100

Kilocycles—Meters

Power

Kilocycles—Meters	Power
WCRW—Chicago, Ill., Clinton R. White.....	100
WDWF—WLSI—Cranston, R. I., Flint.....	100
WEBE—Cambridge, Ohio, Roy W. Walter	100
WEBQ—Harrisburg, Ill., 1st Trust Bank.....	100
WEDC—Chicago, Ill., Emil Denemark.....	100
WGBB—Freeport, N. Y., H. H. Carman.....	100
WGCM—Gulfport, Miss., Gulf C. Mus. Co.	100
WHBF—Rock Island, Ill., Beardsley Spec.	100
WHBU—Anderson, Ind., Citizens Bank.....	100
WIBA—Madison, Wis., Capital Times Co.	100
WINR—Bayshore, N. Y., Radiotel Mfg. Co.	100
WJBI—Red Bank, N. J., Robt. S. Johnson	100
WJBY—Gadsden, Ala., Chas. J. Blank.....	50
WJW—Mansfield, Ohio, John F. Weimer.....	100
WLCI—Ithaca, N. Y., Luth. Assn. Ithaca.....	50
WMAN—Columbus, Ohio, W. E. Heskett.....	50
WMBR—Tampa, Florida, F. J. Reynolds.....	100
WOCL—Jamestown, N. Y., A. E. Newton.....	25
WOMT—Manitowoc, Wis., Francis Kadow	100
WPAW—Pawtucket, R. I., Robinson.....	100
WRBQ—Greenville, Miss., J. P. Scully.....	100
WRBU—Canton, N. C., Kirby Music Co.	100
WSBC—Chicago, Ill., World Battery Co.....	100
WSIX—Springfield, Tenn., Vulcanizing.....	100
WTAX—Streator, Ill., William Hdw. Co.....	50
1220 Kcys.—245.8 Mtrs.	
KPKU—Lawrence, Kansas, U. of Kans.....	1000
WCAD—Canton, N. Y., St. Lawrence Univ.	500
(Daytime only)	
WCAE—Pittsburgh, Penn., Kaufman Co.....	500
WREN—Lawrence, Kansas, J. Wren Co.....	1000
1230 Kcys.—243.8 Mtrs.	
KPIO—Spokane, Wash., Spokane Br. Co.....	100
KGGM—Albuquerque, N. M., Broad. Co.....	500
KYA—San Francisco, Cal., Pac. Broad.....	1000
WFBM—Indianapolis, Ind., Pow. & Light.....	1000
WNAC—WBIS—Boston, Shepard Stores.....	1000
WPSC—State College, Pa., Penn. St. Col.	500
(Daytime only)	
WSBT—South Bend, Ind., S. Bend Trib.....	500
1240 Kcys.—241.8 Mtrs.	
KTAT—Ft. Worth, Texas, Air Transport.....	1000
WGHP—Fraser, Mich., Am. Br. Corp.....	750
WJAD—Waco, Texas, Frank P. Jackson.....	1000
WQAM—Miami, Fla., Miami Br. Co.....	1000
WRBC—Valparaiso, Ind., Immanuel Luth.	500
(Daytime only)	
1250 Kcys.—239.9 Mtrs.	
KFMX—Northfield, Minn., Carleton Col.....	1000
KFOX—Long Beach, Cal., Nich. & War.....	1000
KIDO—Boise, Idaho, Boise Br. Sta.....	1000
WAAM—Newark, N. J., WAAM, Inc.....	1000
WCAL—Northfield, Minn., St. Olaf Col.....	1000
WDSU—New Orleans, La., Joseph Uhalt.....	1000
WGCP—Newark, N. J., May Radio Broad.	250
WLB—WGMS—Minneapolis, U. of Minn.....	500
WODA—Paterson, N. J., Richard O'Dea.....	1000
WRHM—Fridley, Minn., Rosedale, Hosp.....	1000
1260 Kcys.—238 Mtrs.	
KOIL—Council Bluffs, Iowa, Mona Motor.....	1000
KRGV—Harlingen, Tex., Valley Radio.....	500
KVOA—Tucson, Ariz., Robert M. Riculfi.....	500
KWVG—Brownsville, Texas, Ch. of Com.	500
WJAX—City of Jacksonville, Florida.....	1000
WLBW—Oil City, Penn., Petr. Tel. Co.....	500
1270 Kcys.—236.1 Mtrs.	
KOL—Seattle, Wash., Broadcasting Co.....	1000
KFUM—Colo. Spgs., Colo., W. D. Corley.....	1000
KGCA—Decorah, Iowa, C. W. Greenley.....	50
KTW—Seattle, Wash., First Pres. Ch.....	1000
KWLC—Decorah, Iowa, Luther College.....	100
WEAI—Ithaca, N. Y., Cornell Univ.....	500
(Daytime only)	
WASH—Grand Rapids, Mich., Broad. Corp.	500
WFBR—Baltimore, Md., Balt. Rad. Show	250
WJDX—Jackson, Miss., Lamar Life Ins.....	500
WOOD—Grand Rapids, Mich., Stiles.....	500

SPARTON humanizes radio . . . like seeing your entertainers

Kilocycles—Meters

Power

1280 Kcys.—234.2 Mtrs.			
WCAM—Camden, N. J., City of Camden.....	500		
WCAP—Asbury Park, N. J., Radio Indus....	500		
WDAY—Fargo, N. Dakota, WDAY, Inc.....	1000		
WDOJ—Chattanooga, Tennessee, Radio.....	1000		
WEBC—Superior, Wis., Head of Lakes.....	1000		
WOAX—Trenton, N. J., Franklin Wolff.....	500		
WRR—Dallas, Tex., City of Dallas.....	500		

1290 Kcys.—232.4 Mtrs.			
KDYL—Salt Lake City, Utah, Int. Br.....	1000		
KFUL—Galveston, Texas, Will H. Ford.....	1000		
KLCN—Blythesville, Ark., Lintzinich.....	50		
(Daytime only)			
KTSA—San Antonio, Texas, Br. Co.....	1000		
WJAS—No. Fayette, Pa., Radio Supply.....	1000		
WNBZ—Saranac Lake, N. Y., Smith, Mace	50		
(Daytime only)			

1300 Kcys.—230.6 Mtrs.			
KFH—Wichita, Kansas, KFH Company....	500		
KFJR—Portland, Ore., A. C. Dixon & Son	500		
KGEF—Los Angeles, Cal., Trin. M. E.....	1000		
KTBI—Los Angeles, Cal., Bible Inst.....	750		
KTRR—Portland, Ore., M. E. Brown.....	500		
WBRR—Rossville, N. Y., Peoples Pulpit.....	1000		
WBYD—Forest Hills, N. Y., Debs Mem.....	500		
WHAP—New York, Defenders of Tr. Soc....	1000		
WHAZ—Troy, N. Y., Rensselaer Poly Ins.	500		
WIBW—Topeka, Kansas, Broad. Corp.....	1000		

1310 Kcys.—228.9 Mtrs.			
KFBK—Sacramento, Cal., Jas. McClatchy..	100		
KFGQ—Boone, Iowa, Boone Bib. College....	100		
KFJY—Ft. Dodge, Iowa, C. S. Tunwall.....	100		
KFPL—Dublin, Texas, C. C. Baxter.....	100		
KPPM—Greenville, Texas, New Furn.....	15		
KFPF—Denver, Colo., Fitz Hospital.....	100		
KFXJ—Edgewater, Colo., R. Howell.....	50		
KFXR—Okla. City, Okla., Ex. Bap. Ch.....	100		
WGCX—Wolf Point, Mont., State Bank.....	250		
KGEZ—Kalispell, Mont., Ch. of Commerce	100		
KGFW—Ravenna, Neb., Otto F. Sothman....	50		
KGHG—McGehee, Ark., C. W. McCollum...	50		
KMED—Medford, Ore., W. J. Virgin.....	50		
KRMD—Shreveport, La., Robt. M. Dean....	50		
KTSL—Cedar Grove, La., Houseman, Inc.	100		
KWCR—Cedar Rapids, Iowa, H. F. Paar....	100		
WAGM—Royal Oak, Mich., R. L. Miller....	50		
WBOW—Terre Haute, Ind., Banks Wab....	100		
WBRE—Wilkes-Barre, Pa., L. Baltimore....	100		
WCLS—Joliet, Illinois, WCLS, Inc.....	100		
WDAH—El Paso, Texas, Trin. Meth. Ch....	100		
WEBR—Buffalo, N. Y., H. H. Howell.....	100		
WEHS—Evanston, Ill., Victor C. Carlson...	100		
WFBG—Altoona, Penn., W. F. Gable Co....	100		
WFDF—Flint, Mich., F. D. Fallain.....	100		
WPKD—Phila., Penn., Foulkrod, Rad.....	50		
WGAL—Lancaster, Penn., Elec. Sup. Con.	15		
WGH—Newport News, Virginia Broad.....	100		
WHFC—Cicero, Ill., Triangle Broad.....	100		
WIBU—Poynette, Wis., W. C. Forrest.....	100		
WJAC—Johnstown, Pa., Auto Co.....	100		
WJAK—Marion, Ind., Broad. Co.....	50		
WJDZ—Winston, N. C., Winston Journal...	100		
WKAV—Laconia, N. H., Radio Club.....	100		
WKBB—Joliet, Illinois, Sanders Bros....	100		
WKBC—Birmingham, Ala., Broyles Co....	100		
WKBI—Chicago, Ill., F. L. Schoenwolf....	50		
WKBS—Galesburg, Ill., Permill N. Nelson...	100		
WLBC—Muncie, Ind., Donald A. Burton....	50		
WMBL—Lakeland, Florida, Benfords.....	100		
WNAI—Phila., Penn., Albert Walker.....	100		
WNBH—New Bedford, Mass., Br. Co.....	100		
WNBJ—Knoxville, Tenn., Lonsdale Bapt.	50		
WOBT—Union City, Tenn., Titsworth....	15		
WOL—Washington, D. C., Am. Br. Co....	100		
WRAW—Reading, Penn., H. Good.....	100		
WRBI—Tifton, Ga., Kents Furn. & Mus...	20		
WRK—Hamilton, Ohio, Doron & Slade....	100		
WSAJ—Grove City, Penn., Grove City Co...	100		

Kilocycles—Meters

Power

1320 Kcys.—227.1 Mtrs.			
KGHF—Pueblo, Colo., Ritchie & Finch.....	250		
KGIO—Jack Worth, Idaho Falls, Idaho.....	250		
KGIQ—Broad. Corp., Twin Falls, Idaho....	250		
KID—Idaho Falls, Idaho, Duckworth, Jr....	250		
WADC—Akron, Ohio, Allen T. Simmons....	1000		
WSMB—New Orleans, La., Saenger, Inc.....	500		

1330 Kcys.—225.4 Mtrs.			
KGB—San Diego, Cal., Pickwick Br. Cor... 250			
KSCJ—Sioux City, Iowa, Perkins Bros.....	1000		
WDRG—Newhaven, Conn., Doolittle Rad. 500			
WSAI—Harrison, Ohio, Crosley Radio Cor. 500			
WTAQ—Eau Claire, Wis., Rubber Co.....	1000		

1340 Kcys.—223.7 Mtrs.			
KFPW—Siloam Sprgs., Rev. L. Stewart.....	50		
(Daytime only)			
KMO—Tacoma, Washington, KMO, Inc.....	500		
WSPD—Toledo, Ohio, Toledo Broad. Co....	500		

1350 Kcys.—222.1 Mtrs.			
KWK—St. Louis, Mo., Grtr. St. L. Broad... 1000			
WBNY—New York, N. Y., Baruchrone.....	250		
WCDA—New York, N. Y., Italian Educ.....	250		
WKBD—New York, N. Y., Standard Co....	250		
WMSG—New York, N. Y., Madison Sq. G. 250			

1360 Kcys.—220.4 Mtrs.			
KFBB—Great Falls, Mont., Buttrey Co....	250		
KGER—Long Beach, Cal., C. M. Dobyans... 250			
KGIR—Symons Broad. Co., Butte, Mont... 250			
KPSN—Pasadena, Cal., Pas.-Star-News.1KW			
WGES—Chicago, Ill., Oak Leaves Broad. 500			
WJCS—Gary, Ind., Johnson Kennedy.....	500		
WLX—Lexington, Mass., C. S. Wheeler... 500			
WMAF—Dartmouth, Mass., Round Hills... 500			
WQCB—Utica, Miss., Cham. of Com.....	300		

1370 Kcys.—218.8 Mtrs.			
KCRC—Enid, Okla., Champlin Refin. Co....	100		
KFBI—Everett, Wash., Leese Bros.....	50		
KFJI—Astoria, Ore., KFJI Broad., Inc.....	100		
KFJM—Grand Forks, N. D., Un. of N. D. 100			
KFJZ—Ft. Worth, Tex., H. Meacham.....	100		
KFLX—Galveston, Texas, Geo. Clough....	100		
KGAR—Tucson, Ariz., Motor Ser. Co.....	100		
KGBX—St. Joseph, Mo., Foster Hall Tire	100		
KGCI—San Antonio, Tex. Lib. Rad. Sales	100		
KGDA—Dell Rapids, S. D., Home Auto....	50		
KGFG—Okla. City, Okla., Faith Tabernacle	100		
KGFL—Raton, N. M., Hubbard & Murphey	50		
KGKL—San Angelo, Texas, KGKL, Inc....	100		
KGRG—San Antonio, Eugene Roth.....	100		
KIT—Yakima, Wash., Carl E. Raymond....	50		
KLO—Ogden, Utah, Perry Bldg. Co.....	100		
KOH—Reno, Nevada, Jay Peters.....	100		
KOOS—Marshfield, Oregon, H. Hanseth....	50		
KRE—Berkeley, Cal., 1st Cong. Church... 100			
KVL—Seattle, Wash., Arthur Dailey.....	100		
KWKC—Kansas City, Mo., Wil. Dun. Bd. 100			
KZM—Hayward, Cal., Leon P. Tenney....	100		
WBBL—Rich'm'd, Va., Grace Cov., Presb... 100			
WCBM—Baltimore, Md., Broad. Corp.....	100		
WELK—Philadelphia, Pa., Howard Miller	100		
WFBJ—Collegeville, Min., St. John's Un. 100			
WGL—Ft. Wayne, Ind., Fred C. Zweig....	100		
WHBD—Bellefontaine, O., F. P. Moler....	100		
WHBQ—Memphis, Tenn., WHBQ, Inc.....	100		
WHDF—Calumet, Mich., Chas. C. Macleod	100		
WIBM—Jackson, Mich., C. L. Carrell....	100		
WJBK—Ypsilanti, Mich., J. Hopkins.....	50		
WJBO—New Orleans, La., Vald. Jensen....	100		
WJWD—Emory, Va., Emory & Henry Col. 500			
WMBW—Auburn, N. Y., Radio Serv. Lab. 100			
WRAC—Erie, Penn., C. R. Cummins.....	50		
WRBT—Wilmington, N. C., Wil. Rad. As... 100			
WRJN—Racine, Wis., Racine Broad. Co....	100		
WSVS—Buffalo, N. Y., Seneca, Voc. School	50		

Hear the new SPARTON EQUASONNE . . . see the new Models

Kilocycles—Meters Power

1380 Kcys.—217.3 Mtrs.

KQV—Pittsburgh, Pa., Doub. Hill El. Co. 500
 KSO—Clarinda, Ia., Berry Seed Co. 1000
 WKBH—La Crosse, Wis., J. Callaway 1000

1390 Kcys.—215.7 Mtrs.

KFPY—Spokane, Wash., Symons Invest. 500
 KLRA—Little Rock, Ark., Broadcasting 1000
 KUOA—Fayetteville, Ark., Univ. of Ark. 1000
 KOY—Phoenix, Ariz., Nielsen Radio Co. 500
 KWSC—Pullman, Wash., State College 500
 WHK—Cleveland, O., Radio Air Serv. 1000

1400 Kcys.—214.2 Mtrs.

KOCW—Chickasha, Okla., Okla. College 250
 WBBC—Brooklyn, N. Y., Brooklyn Broad. 500
 WCGU—Coney Island, N. Y., U. S. Broad. 500
 WCMA—Culver, Ind., Military Academy 500
 WKBF—Indianapolis, Ind., Ind. Broad. 500
 WLTH—Brooklyn, N. Y., Voice of Brook. 500
 WSDA—Consolidated with WSGH
 WSGH—Brooklyn, N. Y., Amateur Radio. 500

1410 Kcys.—212.6 Mtrs.

KFLV—Rockford, Ill., A. T. Frykman 500
 KGRS—Amarillo, Texas, Gish Radio 1000
 WBCM—Bay City, Mich., Davidson 500
 WDAG—Amarillo, Texas, Nat. Radio 1000
 WHBL—Sheboygan, Wis., Press Pub. Co. 500
 WTOC—Savannah, Ga., Cham. of Com. 500

1420 Kcys.—211.1 Mtrs.

KFIF—Portland, Ore., Denson Polytech. 100
 KFIZ—Fondulac, Wis., Com. Reporter 100
 KFQU—Holy City, Cal., R. E. Riker 100
 KFQW—Seattle, Wash., KFQW, Inc. 100
 KFXD—Jerome, Idaho, Service Radio. 50
 KFPY—Flagstaff, Ariz., Mary Costigan 100
 KFYO—Abilene, Tex., T. E. Kirksey 100
 KGFF—Alva, Okla., D. R. Wallace 100
 KGGC—San Francisco, Golden Gate Br. 50
 KGIW—Trinidad, Colo., Creamery 100
 KGIX—Las Vegas, Nev., J. M. Heaton 100
 KICK—Red Oak, Iowa, Radio Corp. 100
 KORE—Eugene, Ore., Broad. Station 100
 KTAP—San Antonio, Texas, Alamo B. Co. 100
 KTUE—Houston, Texas, Uhalt Elec. 5
 KXL—Portland, Ore., KXL Broadcasting. 500
 KXRO—Aberdeen, Wash., KXRO, Inc. 75
 WEDH—Erie, Penn., Erie Post-Dispatch. 30
 WHDL—Tupper Lake, N. Y., Bissell 10
 WHIS—Bluefield, W. Va., Daily Tel. Co. 100
 WIAS—Attumwa, Iowa, Poling Elec. Co. 100
 WIBR—Steubenville, Ohio, G. Robinson 50
 WILM—Wilmington, Del., Del. Br. Co. 100
 WKBP—Battle Creek, Mich., Enquirer 50
 WLBK—Kansas City, Kan., E. L. Dillard. 100
 WLEY—Lexington, Mass., C. S. Wheeler 100
 WMBG—Detroit, Mich., Broadcast Co. 250
 WMBH—Joplin, Mo., Edwin Aber 100
 WMRJ—Jamaica, N. Y., Peter J. Prinz 10
 WPOE—Patchogue, N. Y., Nassau Broad. 30
 WQBZ—Weirton, W. Va., J. H. Thompson 60
 WSSH—Boston, Mass., Tremont Temple 100
 WTBO—Cumberland, Md., Elec. Co. 50

1430 Kcys.—209.7 Mtrs.

KPLA—Los Angeles, Pacific Dev. Co. 1000
 WBAK—Harrisburg, Pa., State Police 500
 WBRL—Tilton, N. H., Booth Radio Lab. 500
 WCAH—Columbus, Ohio, Com. Radio Co. 250
 WGBC—Memphis, Tenn., 1st Bap. Ch. 500
 WHP—Lemoyne, Pa., Penn. Broad. Co. 500
 WNBR—Memphis, Tenn., John Ulrich 500

Kilocycles—Meters Power

1440 Kcys.—208.2 Mtrs.

KLS—Oakland, Calif., Warner Bros. 250
 (Daytime only)
 WABO—Consolidated with WHEC.
 WCBA—Allentown, Pa., Mus'Iman-Bryan. 250
 WHEC—Rochester, N.Y., Hickson Elec. 500
 WMBD—Peoria Heights, Ill., Radio Lab. 1000
 WNRG—Greensboro, N.C., W. M. Nelson. 500
 WOKO—Mt. Beacon, N.Y., H. E. Smith 500
 WSAN—Allentown, Pa., Call Pub. Co. 250
 WTAD—Quincy, Illinois, Stock Med. 500

1450 Kcys.—206.8 Mtrs.

KTBS—Shreveport, La., S. R. Elliott 500
 WBMS—Fort Lee, N.J., WBMS, Brd. 250
 WCSO—Springfield, O., Wittenberg Col. 500
 WFJC—Akron, Ohio, W. F. Jones Broad. 500
 WIBS—Elizabeth, N.J., Broad. Corp. 250
 WKBO—Jersey City, N.J., Camith Corp. 250
 WNJ—Newark, N.J., Radio Inv. Co. 250
 WSAR—Fall River, Mass., Doughty Elec. 250
 WTFI—Toccoa, Georgia, Toccoa Falls. 500

1460 Kcys.—205.4 Mtrs.

KSTP—Wescott, Minn., Nat'l Broad. 10,000
 WJSV—Mount Vernon Hills, Va., Ind. 10,000

1470 Kcys.—204 Mtrs.

KFJF—Ok. City, Okla. N. Rad. Mf. Co. 5000
 KGA—Spokane, Wash., Ralph A. Horr 5000
 WKBW—Amherst, N.Y., Churchill Evan. 5000
 WRUF—Gainesville, Fla., U. of Florida 5000

1480 Kcys.—202.6 Mtrs.

WCKY—Villa Madonna, Ky., L. B. Wilson 5000
 WJAZ—Mt. Prospect, Ill. Zenith Rd. Corp. 5000
 WORD—Batavia, Ill., Peoples Pulp. Assn. 5000
 WSOA—Deerfield, Ill., Radiophone Br. Co. 5000

1490 Kcys.—201.2 Mtrs.

KPWF—Westminster, Cal., Western Br. 5000
 WLAC—Nashville, Tenn., Life Ins. Co. 5000
 WTNT—Nashville, Tenn., Tenn. Pub. Co. 5000

1500 Kcys.—199.9 Mtrs.

KDB—Santa Barbara, Cal., S. Barb. Bd. 100
 KGDR—San Antonio, Tex., Milan Radio 100
 KGFI—Corpus Christi, Tex., Eagle Br. Co. 100
 KGHX—Richmond, Tex., Ft. Bend Schl. 50
 KGKB—Brownwood, Texas, Wilson 100
 KPJM—Prescott, Ariz., Miller & Klahm 100
 KREG—Santa Ana, Cal., Pac. Wes. Fed. 100
 KUJ—Long View, Wash., Columbia Br. 10
 KVEP—Portland, Ore., Schaeffer Radio Co. 15
 WCLB—Long Beach, N.Y., Arthur Faske. 100
 WOPJ—Bristol, Tenn., Radiophone Co. 100
 WKBV—Brookville, Ind., Knox. Bat.-Elec. 100
 WKBZ—Ludington, Mich., K. L. Ashbacker 50
 WLBX—Long Island, N.Y., J. N. Brahy 100
 WLOE—Chelsea, Mass., Boston Broad. 100
 WMBB—Newport, R.I., Leroy J. Beebe 100
 WMBS—Boston, Mass., Mass. Ed. Soc. 50
 WMBJ—Wilkinsburg, Pa., Rev. Sproul 100
 WMPC—Lapeer, Mich., M. E. Church 100
 WNBK—Binghamton, N.Y., Howitt-Wood 50
 WNBQ—Brooklyn, N. Y., P. Gollhofer 100
 WPEN—Philadelphia, Pa., William Penn. 50
 WRBJ—Hattiesburg, Miss., Woodruff Co. 10
 WWRL—Woodside, N. Y., L. I. Br. Corp. 100

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Lewis Stone	Davey Lee	Nick Stuart
Mary Brian	Ann Harding	Betty Compson
Loretta Young	H. B. Warner	Bebe Daniels
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Jackson-Bell

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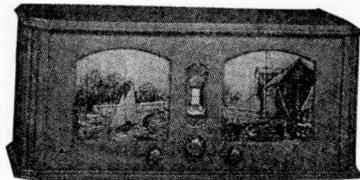
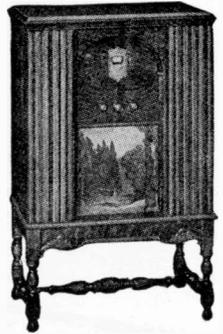


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Tone Control!

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- SAN MATEO—**
Central Book & Radio
- COLMA—**
Colma Hardware Company
- REDWOOD CITY—**
Reinhard & Co.
- PALO ALTO—**
J. N. Harrod Company
C. R. Skinner
- SANTA CLARA—**
Crowes Radio
- SAN JOSE—**
Hale Bros.
W. R. Lawrence
- MOUNTAIN VIEW—**
Valley Electric Company
- SALINAS—**
Breschini Electric
- SANTA CRUZ—**
Acme Furniture
- FRESNO—**
Fresno Sparton Radio
- MODESTO—**
Loshier & Hodgert
- CERES—**
Ceres Radio
- STOCKTON—**
C. R. Plumb
- SACRAMENTO—**
Radio Sales & Service
- NAPA—**
Edgar Case
- MARTINEZ—**
Martinez Music Company
- HOLLISTER—**
C. D. Leighorn
- PACIFIC GROVE—**
De Silva Radio Company
- SAN FRANCISCO—**
Lachman Bros.
16th and Mission
Hale Brothers
Fifth and Market
Hale Brothers
Mission
Haight Street Music
659 Haight Street
Golden Gate Electric
Polk and Pine
Levy Electric
1230 Polk Street
Quality Radio Shop
86 Fourth Street
Almar Radio Shop
943 Geary Street
Columbus Electric
2121 Chestnut
Marina Radio
2241 Chestnut
Hall Electric
285 Eddy Street
J. D. Stine Company
2859 Mission Street
Piano Radio Exchange
2125 Polk Street
Sabin Electric Company
H. C. Gray
22nd and Valencia
J. Raymond Smith Company
1516 Fillmore
Sterling Furniture
1049 Market Street
- OAKLAND—**
Jackson Bell Sales
14th and Webster
White Electric Company
2305 Shattuck Avenue
Golden State Electric
Garrett Owen Music Company
Pearson Hardware Company
Whithorne & Swan
- SUISUN—**
Leslie Gordon
- SOUTH SAN FRANCISCO—**
Peninsula Music
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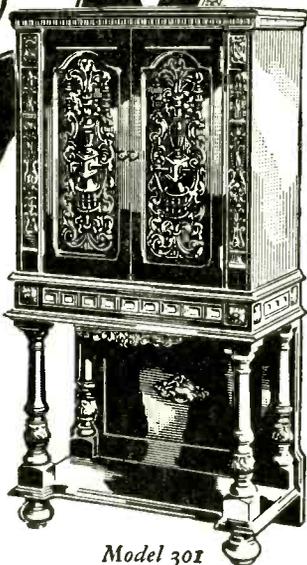
FACE-TO-FACE REALISM

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.

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Dealer, and—*



*Model 301
\$294.50
Complete*

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SPARTON RADIO

"Radio's Richest Voice"

H. R. CURTISS CO.—Distributors

San Francisco, 895 O'Farrell Street

Oakland, 311 Tenth Street

Complete Alphabetical List of All U. S. Stations

Call	Location	Owner	Power	Keys.	Call	Location	Owner	Power	Keys.
KCRC	Enid, Okla.	Champlin Refining Co.	100	1370	KFKY	Flagstaff, Ariz.	Mary M. Costigan	100	1420
KDB	Santa Barbara, Cal.	Santa Barbara Br. Co.	100	1500	KFYO	Abilene, Tex.	Kirksey Bros.	100	1420
KDFN	Casper, Wyo.	D. Hathaway	100	1210	KFYR	Bismarck, N. D.	Hoskins-Meyer	500	550
KDKA	Pittsburgh, Pa.	Westinghouse E. & M. Co.	50KW	980	KGA	Spokane, Wash.	Northwest Radio Ser. Co.	5KW	1470
KDLR	Devils Lake, N. D.	Bert Wick & Harold	100	1210	KGAR	Tucson, Ariz.	Puckson Motor Service Co.	100	1370
KDYL	Salt Lake City, Utah	Intmnt. Broad. Corp.	1KW	1290	KGB	San Diego, Cal.	Ticwick Broad. Corp.	250	1030
KEJK	Beverly Hills, Cal.	R. S. Macmillan	500	710	KGBU	Ketchikan, Alaska	Alaska Rad & Ser. Co.	500	900
KELW	Burbank, Cal.	Earl L. White	500	780	KGBZ	St. Joseph, Mo.	Foster-Hall Tire Co.	100	1370
KEX	Portland, Ore.	Western Broad. Co.	5KW	1180	KGCI	Decorah, Iowa	Chas. W. Greenley	50	1270
KFAB	Lincoln, Neb.	Neb. Buick Auto Co.	5KW	770	KGCN	San Antonio, Tex.	Liberto Radio Sales Co.	100	1370
KFAD	Phoenix, Ariz.	Electrical Equipment Co.	500	620	KGCR	Watertown, S. D.	Cutler's Radio	100	1210
KFBB	Have, Mont.	Buttrely Broadcast, Inc.	500	1360	KGCU	Mandan, N. D.	Mandan Radio Ass'n.	100	1200
KFBK	Sacramento, Cal.	James McClatchy Co.	100	1310	KGCX	Wolf Point, Mont.	State Bank of Vida	10	1310
KFBL	Everett, Wash.	Leese Bros.	50	1370	KGDA	Dell Rapids, S. D.	Home Auto Co.	50	1370
KFDM	Beaumont, Texas	Magnolia Petroleum Co.	500	560	KGDE	Fergus Falls, Minn.	Chas. L. Jaren	50	1200
KFDY	Brookings, S. D.	S. D. State College	500	550	KGDM	Stockton, Cal.	E. F. Peffer	50	1100
KFEL	Denver, Colo.	Eugene P. O'Fallon, Inc.	250	940	KGDR	San Antonio, Tex.	Milan Radio Co.	100	1500
KFEQ	St. Joseph, Mo.	Scruggin & Co. Bank	2½KW	560	KGDY	Oldham, S. D.	J. Albert Loesch	15	1200
KFGQ	Boone, Iowa	Boone Biblical College	100	1310	KGEF	Los Angeles, Cal.	Trinity Meth. Church So.	1KW	1300
KFH	Wichita, Kans.	KFH Co.	500	1300	KGEK	Yuma, Colo.	Beeher Electrical Co.	50	1200
KFHA	Gunnison, Colo.	West. State College of Col.	100	1200	KGER	Long Beach, Cal.	C. Merwin Dobyns	100	1360
KFI	Los Angeles, Cal.	Earle C. Anthony, Inc.	5KW	640	KGEW	Fort Morgan, Colo.	City of Ft. Morgan	100	1200
KFIF	Portland, Ore.	Benson Poly. School	100	1420	KGEZ	Kalispell, Mont.	Chamber of Commerce	100	1310
KFIO	Spokane, Wash.	Spokane Br. Co.	100	1230	KGFF	Alva, Okla.	D. R. Wallace	100	1420
KFIZ	Fond du Lac, Wis.	Reporter Printing Co.	100	1420	KGFI	Oklahoma City, Okla.	Faith Tabern. Ass'n.	100	1370
KFJB	Marshalltown, Iowa	Marshall Elec. Co., Inc.	100	1200	KGFJ	Corpus Christi, Tex	Eagle Broad. Co., Inc.	15	1310
KFJF	Oklahoma City, Okla.	Nat'l Radio Mfg. Co.	5KW	1470	KGFJ	Los Angeles, Cal.	Ben S. McGlashan	100	1200
KFJL	Astoria, Ore.	KFJL, Inc.	100	1370	KGFK	Hallock, Minn.	R. W. Lautzenheiser	50	1200
KFJM	Grand Forks, N. D.	Univ. of N. Dakota	100	1370	KGFL	Raton, N. M.	Hubbard & Murphy	50	1370
KFJR	Portland, Ore.	Ashley C. Dixon & Son	500	1300	KGFW	Ravenna, Neb.	Otto F. Sotman	50	1310
KFJY	Fort Dodge, Iowa	C. S. Tunwall	100	1310	KGFX	Pierre, S. D.	Dana McNeil	200	580
KFJZ	Fort Worth, Tex.	H. C. Meacham	100	1370	KGGC	San Francisco, Cal.	Goldend Gate Br. Co.	50	1420
KFKA	Greely, Colo.	Colo. State Teachers Col.	500	880	KGGF	Picher, Okla.	D. L. Connell, M.D.	500	1010
KFKB	Millford, Kans.	John R. Brinkley, M.D.	5KW	1050	KGGM	Albuquerque, N. M.	New Mexico Br. Co.	500	1230
KFKU	Lawrence, Kans.	University of Kansas	1KW	1220	KGHN	Pueblo, Colo.	Curtis P. Ritchie	250	1320
(KFKX-KYW—See KYW-KFKX)					KGHG	McGehee, Ark.	Chas. W. McCollum	50	1310
KFKZ	Kirkville, Mo.	Teachers' College	15	1200	KGHI	Little Rock, Ark.	First Baptist Church	100	1200
KFLV	Rockford, Ill.	A. T. Frykman	100	1410	KGHL	Billings, Mont.	Northwestern Auto Co.	500	950
KFLX	Galveston, Tex.	George Roy Clough	100	1370	KGHX	Richmond, Tex.	Ft. Bend County School Bd.	50	1500
KFMX	Northfield, Minn.	Carleton College	1KW	1250	KGIQ	Twin Falls, Idaho	Idaho Radio Br. Corp.	250	1320
KFNF	Shenandoah, Iowa	Henry Field Seed Co.	500	890	KGIR	Butte, Mont.	Symons Broadcasting Co.	250	1360
KFOR	Lincoln, Neb.	Howard A. Shuman	100	1210	KGIW	Trinidad, Cal.	Trinidad Creamery Co.	100	1420
KFOX	Long Beach, Cal.	Nicholas & Warriner, Inc.	1KW	1250	KGIW	Las Vegas, Nev.	J. M. Heaton	100	1420
KFPL	Dublin, Tex.	C. C. Baxter	15	1310	KGJF	Little Rock, Ark.	1st Church of the Nazarene	250	890
KFPM	Greenville, Tex.	New Furniture Co.	15	1310	KGKB	Brownwood, Tex.	Eagle Pub. Co.	100	1500
KFPV	Siloam Springs, Ark.	Rev. L. W. Stewart	50	1340	KGKL	San Angelo, Tex.	KGKL, Inc.	100	1370
KFPY	Spokane, Wash.	Symons Broad. Co.	500	1340	KGKO	Wichita Falls, Tex.	Wichita Falls Br. Co.	250	570
(KFQA-KMOX—See KMOX-KFQA)					KGKX	Sandpoint, Idaho	C. E. Twiss	15	1420
KFQU	Holy City, Cal.	W. E. Riker	100	1420	KGO	Oakland, Cal.	General Electric Co.	7½KW	790
KFQW	Seattle, Wash.	KFQW, Inc.	100	1420	KGRC	San Antonio, Tex.	Eugene J. Roth	100	1370
KFQZ	Los Angeles, Cal.	Taft Radio Co.	250	860	KGIS	Amarillo, Tex.	E. B. Gish	1KW	1410
KFRC	San Francisco, Cal.	Don Lee, Inc.	1KW	610	KGU	Honolulu, Hawaii	Advertiser Pub. Co.	500	940
KFRU	Columbia, Mo.	Stephens College	500	630	KGW	Portland, Ore.	Oregonian Pub. Co.	100	1200
KFSD	San Diego, Cal.	Airfan Radio Corp.	500	600	KGY	Lacey, Wash.	St. Martin's College	10	1200
KFSG	Los Angeles, Cal.	Echo Park Evan. Ass'n.	500	1120	KHJ	Los Angeles, Cal.	Don Lee, Inc.	1KW	900
KFUL	Galveston, Tex.	Will H. Ford	1KW	1290	KHQ	Spokane, Wash.	Louis Wasmer, Inc.	1KW	590
KFUM	Colorado Springs, Colo.	W. D. Corley	1KW	1270	KICK	Red Oak, Iowa	Red Oak Radio Corp.	100	1420
KFUO	Clayton, Mo.	Evangelical Lutheran Synod.	500	550	KID	Idaho Falls, Idaho	Jack W. Duckworth, Jr.	250	1320
KFUP	Denver, Colo.	U. S. Army Gen'l Hosp.	100	1310	KIDO	Boise, Idaho	Boise Broadcast Station	1KW	1250
KFV	Culver City, Cal.	Los Angeles Broad. Co.	250	1000	KIT	Yakima, Wash.	Carl E. Haymond	50	1370
KFVS	Cape Girardeau, Mo.	Hirsch Battery Co.	100	1210	KJBS	San Francisco, Cal.	Brunton & Sons Co.	100	1070
KFWB	Hollywood, Cal.	Warner Bros. Br. Corp.	1KW	950	KJR	Seattle, Wash.	Northwest Radio Ser. Co.	5KW	970
KFWF	St. Louis, Mo.	St. Louis Truth Center, Inc.	100	1200	KLCN	Blytheville, Ark.	Charles Leo Lintzenich	50	1290
KFWL	San Francisco, Cal.	Radio Entertainm., Inc.	500	930	KLO	Ogden, Utah	Perry Building Co.	100	1370
KFWM	Oakland, Cal.	Oakland Educational Soc.	500	930	KLPM	Minot, N. D.	E. C. Reineke	100	1420
KFXD	Jerome, Idaho	Service Radio Co.	50	1420	KLRA	Little Rock, Ark.	Arkansas Broad. Co.	1KW	1390
KFXP	Denver, Colo.	Pikes Peak Broad. Co., Inc.	250	940	KLS	Oakland, Cal.	Warner Bros.	250	1440
KFXJ	Edgewater, Colo.	R. G. Howell	50	1310	KLX	Oakland, Cal.	The Tribune Pub. Co.	500	880
KFXM	San Bernardino, Cal.	Lee Bros. Broad. Co.	100	1200	KLZ	Dupont, Colo.	Reynolds Radio Co., Inc.	1KW	560
KFXR	Oklahoma City, Okla.	Exch. Ave. Pap. Ch.	100	1310					

See as you listen, with SPARTON face-to-face realism

JENSEN



\$103

WITH TUBE

The Imperial
containing
Auditorium Type Unit
DA5AC

Distributed by

Pacific Wholesale Radio, Inc.

7th and Folsom Streets, San Francisco

Complete Alphabetical List of All U. S. Stations

Call	Location	Owner	Power	Keys.	Call	Location	Owner	Power	Keys.
KMA	Schenandoah, Ia.,	May Seed & Nurs. Co.	500	930	KWK	St. Louis, Mo.,	Gr. St. Louis Br. Corp.	1KW	1350
KMBC	Independence, Mo.,	Midland Broad. Co.	1KW	950	KWKC	Kansas City, Mo.,	Wilson Duncan Br. Co.	100	1370
KMED	Medford, Ore.,	Mrs. W. J. Virgin	50	1310	KWKH	Kennonwood, La.,	W. K. Henderson	10KW	850
KMIC	Inglewood, Cal.,	Dalton's Inc.	500	1120	KWLC	Decorah, Iowa,	Luther College	100	1270
KMJ	Fresno, Cal.,	The Fresno Bee	100	1210	KWSC	Pullman, Wash.,	State Col. of Wash.	500	1390
KMMJ	Clay Center, Neb.,	The M. M. Johnson Co.	1KW	740	KWWG	Brownsville, Tex.,	Chamber of Commerce	500	1260
KMO	Tacoma, Wash.,	KMO, Inc. (uses half time)	500	1340	KXA	Seattle, Wash.,	Amer. Radio Tel. Co.	500	570
KMOX-KFQA	St. Louis, Mo.,	Voice of St. Louis	5KW	1090	KXI	Portland, Ore.,	KXL Broadcasters, Inc.	500	1420
KMTR	Hollywood, Cal.,	KMTR Radio Corp.	500	570	KXO	El Centro, Cal.,	E. R. Irely and F. M. Bowles	100	1200
KNX	Hollywood, Cal.,	Western Broadcast Co.	5KW	1050	KXRO	Aberdeen, Wash.,	KXRO, Inc.	75	1420
KOA	Denver, Colo.,	General Electric Co.	1 1/2 KW	830	KYA	San Francisco, Cal.,	Pac. Broadcasting Corp.	1KW	1230
KOAC	Corvallis, Ore.,	Ore. State Agr. College	1KW	550	KYW-KFKX	Chicago, Ill.,	Westinghouse E. & M.	5KW	1020
KOB	State College, N. M.,	Col. of Ag. & M. A.	10KW	1180	KYWA	Chicago, Ill.,	Westinghouse E. & M. Co.	500	1020
KOCW	Chickasha, Okla.,	Okla. Col. for Women	250	1400	KZM	Hayward, Cal.,	Leon P. Tenney	100	1370
KOH	Reno, Nev.,	Jay Peters, Inc.	100	1370	WAAF	Chicago, Ill.,	Drovers Journal Pub. Co.	500	920
KOIL	Council Bluffs, Ia.,	Mona Motor Oil Co.	1KW	1260	WAAM	Newark, N. J.,	WAAAM, Inc.	1KW	1250
KOIN	Portland, Ore.,	Koin, Inc.	1KW	940	WAAT	Jersey City, N. J.,	Bremer Broad. Corp.	300	1070
KOL	Seattle, Wash.,	Seattle Broad. Co., Inc.	1KW	1270	WAAW	Omaha, Neb.,	Omaha Grain Exchange	500	660
KOMO	Seattle, Wash.,	Fisher's Blend Sta., Inc.	1KW	920	WABC-WBQ	N. Y. City,	Atlantic Br. Corp.	5KW	860
KOOS	Marshall, Ore.,	H. H. Hansets	50	1370	WABI	Bangor, Me.,	First Church of Bangor	100	1200
KORE	Eugene, Ore.,	Eugene Broad. Station	100	1420	WABZ	New Orleans, La.,	Coliseum Baptist Ch.	100	1200
KOY	Phoenix, Ariz.,	Nielson Radio Supply Co.	500	1390	WADC	Akron, Ohio,	Allen T. Simmons	1KW	1320
KPCB	Seattle, Wash.,	Pac. Coast Biscuit Co.	50	1210	WAGM	Royal Oak, Mich.,	Robert L. Miller	50	1310
KPJM	Prescott, Ariz.,	Miller & Klahn	100	1500	WAIU	Columbus, Ohio,	Amer. Ins. Union	500	640
KPLA	Los Angeles, Cal.,	Pac. Dev. Radio Co.	1KW	1430	WAPI	Birmingham, Ala.,	Alabama Poly. Inst.	5KW	1140
KPO	San Francisco, Cal.,	Hale Bros.-Chronicle	5KW	680	WASJ	Grand Rapids, Mich.,	WASH Br. Corp.	500	1270
KPOF	Denver, Colo.,	Pillar of Fire, Inc.	500	880	WBAK	Harrisburg, Pa.,	Penn. State Police	500	1430
KPPC	Pasadena, Cal.,	Pasadena Pres. Church	50	1200	WBAL	Baltimore, Md.,	Cons. Gas & Elec. Light	10KW	1060
KPQ	Seattle, Wash.,	Taft & Wasmer	100	1210	WBAP	Fort Worth, Tex.,	Carter Public, Inc.	50KW	800
KPRC	Houston, Tex.,	Houston Printing Co.	1KW	920	WBAX	Wilkesbarre, Pa.,	John H. Stenger, Jr.	100	1210
KPSN	Pasadena, Cal.,	Pasadena-Star-News Co.	1KW	1360	WBBC	Brooklyn, N. Y.,	Brooklyn Broad. Corp.	500	1400
KPWF	Westminster, Cal.,	Pac.-West. Br. Fed. 5 to 10 KW	1490	1380	WBBL	Richmond, Va.,	Grace Covenant Pres. Ch.	100	1370
KQV	Pittsburgh, Pa.,	Doubleday-Hill Elec. Co.	500	1010	WBDM-WJBT	Chicago, Ill.,	Atlas Co., Inc.	10KW	770
KQW	San Jose, Cal.,	First Baptist Church	500	1010	WBDR	Rossville, N. Y.,	Peoples Pulpit Ass'n	1KW	1300
KRE	Berkeley, Cal.,	First Congr. Church	100	1370	WBKY	Charleston, S. C.,	Washington Light Infnty.	75	1200
KREG	Santa Ana, Cal.,	Pac. West. Broad. Co.	100	1500	WBZZ	Ponca City, Okla.,	C. L. Carrell	100	1200
KRGV	Hartlingen, Tex.,	Valley-Radio-Elec. Corp.	500	1260	WBGM	Bay City, Mich.,	James E. Davidson	500	1410
KRLB	Dallas, Tex.,	KRLD Radio Corp.	10KW	1040	WBMS	Fort Lee, N. J.,	WBMS Broad. Corp.	250	1450
KRMD	Shreveport, La.,	Robert M. Dean	50	1310	WBNY	New York, N. Y.,	Baruchrome Corp.	250	1350
KRSC	Seattle, Wash.,	Radio Sales Corp.	50	1120	WBOW	Terre Haute, Ind.,	Banks of Wabash, Inc.	100	1310
KSAC	Manhattan, Kan.,	Kan. State Ag. Col.	500	580	WBRE	Birmingham, Ala.,	Birmingham Br. Co.	500	930
KSCJ	Sioux City, Iowa,	Perkins Bros. Co.	1KW	1330	WBRL	Wilkesbarre, Pa.,	Louis G. Baltimore	100	1310
KSD	St. Louis, Mo.,	Pulitzer Pub. Co.	500	550	WBRL	Tilton, N. H.,	Booth Radio Lab., Inc.	500	1430
KSEI	Pocatello, Idaho,	KSEI Broad. Ass'n, Inc.	250	900	WBRO	Wellesley Hills, Mass.,	Bahson's Stat. Org.	250	780
KSL	Salt Lake City, Utah,	Rad. Ser. Cor. of Utah	5KW	1130	WBT	Charlotte, N. C.,	WBT, Inc.	5KW	1080
KSMR	Santa Maria, Cal.,	Santa Maria Val. R. R.	100	1200	WBZ	Springfield, Mass.,	Westinghouse Co.	15KW	990
KSO	Clarinda, Iowa,	Berry Seed Co.	500	1380	WBZA	Boston, Mass.,	Westinghouse Co.	500	990
KS00	Sioux Falls, S. D.,	Sioux Falls Br. Ass'n	2KW	1110	WCAC	Storrs, Conn.,	Conn. Agr. College	250	600
KSTP	St. Paul, Minn.,	Nat'l Battery Broad. Co.	10KW	1460	WCAD	Canton, N. Y.,	St. Lawrence University	500	1220
KTAB	Oakland, Cal.,	Pickwick Broad. Corp.	1KW	560	WCAE	Pittsburgh, Pa.,	Kaufman & Baer Co., Inc.	500	1220
KTAP	San Antonio, Tex.,	Alamo Broad. Co.	100	1420	WCAH	Columbus, Ohio,	Com'l Radio Service Co.	500	1430
KTAT	Fl. Worth, Tex.,	Texas Air Transp. Br. Co.	1KW	1240	WCAJ	Lincoln, Neb.,	Nebraska Wesleyan Univ.	500	590
KTBI	Los Angeles, Cal.,	Bible Inst. of L. A.	750	1300	WCAL	Northfield, Minn.,	St. Olaf College	1KW	1250
KTBI	Portland, Ore.,	M. E. Brown	500	1300	WCAM	Camden, N. J.,	City of Camden	500	1280
KTBS	Shreveport, La.,	Elliott & Steere	500	1450	WCAO	Baltimore, Md.,	Monumental Radio, Inc.	250	600
KTBS	Hot Springs Nat. Pk., Ark.,	Hot Sp. C. of C.	10KW	1040	WCAP	Asbury Park, N. J.,	Radio Ind. Broad. Co.	500	1280
KTM	Pickwick Broad. Corp.,	Los Angeles, Cal.	500	780	WCAT	Rapid City, S. D.,	S. D. State Sch. of Mines	100	1200
KTNT	Muscatine, Iowa,	Norman Baker	5KW	1170	WCAU	Philadelphia, Pa.,	Universal Broad. Co.	10KW	1170
KTSA	San Antonio, Tex.,	Lone Star Broad. Co.	1KW	1290	WCAZ	Carthage, Ill.,	Carthage College	50	1070
KTSL	Shreveport, La.,	A. J. Bates	100	1310	WCBA	Allentown, Pa.,	B. Bryan Musselman	250	1440
KTSM	El Paso, Tex.,	W. S. Bledsoe	100	1310	WCBD	Zion, Ill.,	Wilbur Glenn Voliva	5KW	1080
KTUE	Houston, Tex.,	William John Uhalt	5	1420	WCBM	Baltimore, Md.,	Baltimore Broad. Corp.	100	1370
KTW	Seattle, Wash.,	First Presb. Church	1KW	1270	WCBS	Springfield, Ill.,	Charles H. Messier	100	1210
KUJ	Longview, Wash.,	Columbia Broad. Co.	10	1500	WCCO	Minneapolis, Minn.,	Northw. Br. Co.	7 1/2 KW	810
KUOA	Fayetteville, Ark.,	Univ. of Arkansas	1KW	1390	WCDA	New York City, Ital. Ed. Br. Co., Inc.	250	1350	
KUOM	Missoula, Mont.,	State Univ. of Montana	500	570	WCFL	Chicago, Ill.,	Chicago Fed. of Labor	1 1/2 KW	970
KUSD	Vermillion, S. D.,	Univ. of South Dak.	500	890	WCGU	Coney Island, N. Y.,	U. S. Broad. Corp.	500	1400
KUT	Austin, Tex.,	Kut Broad. Co.	500	1120	WCKY	Covington, Ky.,	L. B. Wilson	5KW	1480
KVEP	Portland, Ore.,	Schaffer Radio Co.	15	1500	WCLB	Long Beach, N. Y.,	Arthur Faske	100	1500
KVI	Tacoma, Wash.,	Puget Sound Br. Co.	1KW	760	WCLO	Kenosha, Wis.,	C. E. Whitmore	100	1200
KVL	Seattle, Wash.,	Arthur C. Dailey	100	1370	WCLS	Joliet, Ill.,	WCLS, Inc.	100	1310
KVOA	Tucson, Ariz.,	Robert M. Rieulf	500	1260	WCMA	Culver, Ind.,	Culver Military Academy	500	1400
KVOO	Tulsa, Okla.,	Southwestern Sales Corp.	5KW	1140	WCOA	Pensacola, Fla.,	City of Pensacola, Fla.	500	1120
KVOS	Bellingham, Wash.,	KVOS, Inc.	100	1200	WCOC	Columbus, Miss.,	H. B. Holmes, Sr.	500	880
KWCR	Cedar Rapids, Iowa,	Harry F. Paar	100	1310	WCOD	Harrisburg, Pa.,	N. R. Hoffman	100	1200
KWEA	Shreveport, La.,	William E. Antony	100	1210	WC0H	Yonkers, N. Y.,	Westchester Broad. Corp.	100	1210
KWG	Stockton, Cal.,	Portable Wireless	100	1200	WCRW	Chicago, Ill.,	Clinton R. White	100	1210
KWJJ	Portland, Ore.,	Wilbur Jerman	500	1060	WCSH	Portland, Me.,	Congress Square Hotel Co.	500	940

Only SPARTON has a 3-unit chassis and Band Pass Filter

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

Complete Alphabetical List of All U. S. Stations

Call	Location	Owner	Power	Kws.	Call	Location	Owner	Power	Kws.
WCOS	Springfield, Ohio	Wittenberg College	500	1450	WHDF	Calumet, Mich.	Chas. C. MacLeod	100	1370
WDAE	Tampa, Fla.	Tampa Publishing Co.	1KW	620	WHDH	Gloucester, Mass.	Matheson Radio Co.	1KW	830
WDAR	Kansas City, Mo.	Kansas City Star Co.	1KW	610	WHDI	Minneapolis, Minn.	Dunwoody Ind. Inst.	500	1180
WDAG	Amarillo, Tex.	Nat'l Radio Corp.	250	1410	WHDL	Tupper Lake, N. Y.	George Franklin Blsell	10	1420
WDAH	El Paso, Tex.	Trinity Methodist Church	100	1310	WHFC-WABO	Rochester, N. Y.	Hickson, Inc.	500	1440
WDAY	W. Fargo, N. D.	WDAY, Inc.	1KW	1280	WHFE	Cleora, Ill.	Triangle Broadcasters	100	1310
WDBJ	Roanoke, Va.	Richardson Elec. Corp.	250	930	WHIS	Bluefield, W. Va.	Daily Telegraph	100	1420
WDBO	Orlando, Fla.	Rollins College, Inc.	1KW	620	WHK	Cleveland, Ohio	Radio Air Service Corp.	1KW	1390
WDEL	Wilmington, Del.	WDEL, Inc.	250	1120	WHN	New York, N. Y.	Loew Booking Agency	250	1010
WDGY	Minneapolis, Minn.	Dr. George W. Young	1KW	1180	WHO	Des Moines, Iowa	Bankers' Life Co.	5KW	1000
WDOD	Chattanooga, Tenn.	Chattanooga Rad. Co.	1KW	1280	WHP	Harrisburg, Pa.	Pennsylvania Broad. Co.	500	1430
WDRC	New Haven, Conn.	Doolittle Radio Corp.	500	1330	WIAS	Ottumwa, Iowa	Morris W. Peling	100	1420
WDSU	New Orleans, La.	Joseph H. Uhalt	1KW	1250	WIBA	Madison, Wis.	Capital Times	100	1210
WDWF-WLSI	Providence, R. I.	Dutee W. Flint	100	1210	WIBG	Elkins Park, Pa.	St. Paul's P. E. Church	50	930
WDZ	Tuscola, Ill.	James L. Bush	100	1070	WIBM	Jackson, Mich.	C. L. Carrell	100	1370
WEAF	New York City, Nat'l Broad. Co., Inc.	50KW	660	WIBO	Chicago, Ill.	Nelson Bros.	1KW	570	
WEAL	Ithaca, N. Y.	Cornell Univ. (C. P. only)	500	1270	WIBR	Steubenville, Ohio	George W. Robinson	50	1420
WEAN	Providence, R. I.	The Shepard Co.	250	780	WIBS	Elizabeth, N. J.	N. J. Broad. Corp.	250	1450
WEAO	Columbus, O.	Ohio State University	750	570	WIBU	Poyntette, Wis.	William C. Forrest	100	1310
WEAR	Cleveland, Ohio	WTAM-WEAR, Inc.	1KW	1070	WIBW	Topeka, Kan.	Topeka Br. As'n, Inc.	1KW	1200
WEBC	Duluth, Minn.	Head of the Lake Br. Co.	1KW	1280	WIBX	Utica, N. Y.	WIBX, Inc.	100	1200
WEBE	Cambridge, Ohio	Roy W. Waller	100	1210	WICC	Bridgeport, Conn.	Bridgeport Br. Sta., Inc.	500	1190
WEBC	Harrisburg, Ill.	First Tr. & Sav. Bank	100	1210	WIL	St. Louis, Mo.	Missouri Br. Corp.	100	1200
WEBR	Buffalo, N. Y.	Howell Broad. Co., Inc.	100	1310	WILL	Urbana, Ill.	Univ. of Illinois	250	890
WEBW	Beloit, Wis.	Beloit College	350	600	WILM	Wilmington, Del.	Delaware Br. Co., Inc.	100	1420
WEDC	Chicago, Ill.	Emil Denemark, Inc.	100	1210	WINR	Bay Shore, N. Y.	Radiotele Mfg. Co., Inc.	100	1210
WEDH	Erie, Pa.	Erie Dispatch Herald	30	1420	WIOD	Miami Beach, Fla.	Isle of Dreams Br. Co.	1KW	560
WEEL	Boston, Mass.	Edison Elec. Co.	1KW	590	WIP	Philadelphia, Pa.	Gimbel Bros., Inc.	500	610
WEHS	Evanston, Ill.	Victor C. Carlson	100	1310	WISN	Milwaukee, Wis.	Evening Wis. Co.	250	1120
WELK	Philadelphia, Pa.	Howard R. Miller	100	1370	WJAC	Johnstown, Pa.	Automobile Co.	100	1310
WEMC	Berrien Springs, Mich.	Emanuel Mis. Col.	1KW	590	WJAD	Narco, Tex.	Frank P. Jackson	1KW	1240
WENI-WBCN	Chicago, Ill.	Grt. Lakes Br. Co.	50KW	870	WJAG	Norfolk, Neb.	Norfolk Daily News	1KW	1060
WEPS	Gloucester, Mass.	Matheson Rad. Co.	100	1200	WJAK	Marion, Ind.	Marion Broadcast Co.	50	1310
WEVD	New York City	Debs Mem. Radio Fund, Inc.	500	1300	WJAR	Providence, R. I.	The Outlet Co.	250	890
WEW	St. Louis, Mo.	St. Louis University	1KW	760	WJAS	Pittsburgh, Pa.	Radio Supply House	1KW	1290
WFAA	Dallas, Tex.	The Dallas News	500	800	WJAX	Jacksonville, Fla.	City of Jacksonville	1KW	1260
WFAN	Philadelphia, Pa.	Keystone Broad. Co.	500	610	WJAY	Cleveland, Ohio	Cleveland Broad. Corp.	500	620
WFBC	Knoxville, Tenn.	First Baptist Church	50	1200	WJAZ	Chicago, Ill.	Zenith Radio Corp.	5KW	1480
WFBG	Altoona, Pa.	William F. Gable Co.	100	1310	WJBC	La Salle, Ill.	Hummer Furniture Co.	100	1200
WFBJ	Collegeville, Minn.	St. John's University	100	1370	WJBI	Red Bank, N. J.	Robert S. Johnson	100	1210
WFBT	Syracuse, N. Y.	The Onondaga Co., Inc.	750	900	WJBK	Ypsilanti, Mich.	James F. Hopkins	50	1370
WFBM	Indianapolis, Ind.	Indianapolis P. & L. Co.	1KW	1230	WJBL	Decatur, Ill.	Wm. Gushard Dry Goods Co.	100	1200
WFBZ	Baltimore, Md.	Baltimore Radio Show, Inc.	250	1270	WJBO	New Orleans, La.	Valdemar Jensen	100	1370
WFDE	Flint, Mich.	Frank D. Fallain	100	1310	(WJBT-WBBM see WBBM)				
WFI	Philadelphia, Pa.	Strawbridge & Clothier	500	560	WJBU	Lewisburg, Pa.	Bucknell University	100	1210
WFIW	Hopkinsville, Ky.	The Acme Mills, Inc.	1KW	940	WJBW	New Orleans, La.	C. Carlson	30	1200
WFKJ	Akron, Ohio	W. F. Jones Broad., Inc.	500	1450	WJBY	Gadsden, Ala.	T. G. Erwin	50	1210
WFKD	Philadelphia, Pa.	Foulrad Radio, Eng. Co.	50	1310	WJDZ	Winston, N. C.	Winston Journal	100	1310
WFLA-WSUN	Clearwater, Fla.	Cham. of Com.	1KW	900	WJDW	Emory, Va.	Emory College	500	1370
WGAL	Lancaster, Pa.	Lancaster Elec. Supply Co.	15	1310	WJDX	Jackson, Miss.	Lamar Life Ins.	500	1270
WGBB	Freeport, N. Y.	Harry H. Carman	100	1210	WJDD	Mooseheart, Ill.	Order of Moose	20KW	1130
WGBC	Memphis, Tenn.	First Baptist Church	500	1430	WJKS	Gary, Ind.	Johnson-Kennedy	500	1360
WGCF	Evansville, Ind.	Evansville on the Air, Inc.	500	630	WJR	Detroit, Mich.	WJR, the Goodwill Station	5KW	750
WGCI	Seranton, Pa.	Seranton Broadcasters, Inc.	250	880	WJSV	Mt. Vernon Hills, Va.	Indep. Publ. Co.	10KW	1460
WGCS	New York City	General Br. Sys., Inc.	500	1180	WJW	Mansfield, Ohio	John F. Weimar	100	1210
WGCM	Gulfport, Miss.	Gulf Coast Music Co., Inc.	100	1210	WJZ	New York City	Radio Corp. of America	30KW	760
WGCP	Newark, N. J.	May Radio Broad. Corp.	250	1250	WKAQ	San Juan, P. R.	Radio Corp. of Porto Rico	500	890
WGES	Chicago, Ill.	Oak Leaves Broad. Sta.	500	1360	WKAH	E. Lansing, Mich.	Mich. State College	1KW	1040
WGH	Newport News, Va.	Virginia Br. Co., Inc.	100	1310	WKAV	Laconia, N. H.	Laconia Radio Club	100	1310
WGHP	Detroit, Mich.	American Broad. Corp.	750	1240	WKBB	Joliet, Ill.	Sanders Bros.	100	1310
WGL	Fort Wayne, Ind.	Fred C. Zieg	100	1370	WKBC	Birmingham, Ala.	R. B. Broyles Furn. Co.	100	1310
WGN-WLJB	Elgin, Ill.	The Tribune Co.	25KW	720	WKRF	Indianapolis, Ind.	Ind. Broad. Co.	500	1400
WGR	Amherst, N. Y.	Radio Sta. WGR, Inc.	1KW	550	WKRH	La Crosse, Wis.	Jos. Callaway	1KW	1380
WGST	Atlanta, Ga.	Ga. School of Technology	250	890	WKBI	Chicago, Ill.	Fred L. Schoenwolf	50	1310
WGY	Schenectady, N. Y.	Gen. Elec. Co.	50KW	790	WKBN	Youngstown, Ohio	Warren P. Williamson, Jr.	500	570
WHA	Madison, Wis.	University of Wis.	750	640	WKBO	Jersey City, N. J.	Camith Corp.	250	1450
WHAD	Milwaukee, Wis.	Marquette University	250	1120	WKBP	Battle Creek, Mich.	Enquirer-Newsp. Co.	50	1420
WHAM	Rochester, N. Y.	Stromberg-Carlson Co.	5KW	1150	WKBQ	New York, N. Y.	Standard Cahill Co., Inc.	250	1350
WHAP	New York City	Defenders of Truth Soc.	1KW	1300	WKBS	Galesburg, Ill.	Permill N. Nelson	100	1310
WHAS	Jeffersonton, Ky.	Courier-Journal Co.	10KW	820	WKBV	Brookville, Ind.	William O. Knox	100	1500
WHAZ	Troy, N. Y.	Rensselaer Ply. Inst.	500	1300	WKBW	Buffalo, N. Y.	Churchill Evan. Ass'n, Inc.	5KW	1470
WHB	Kansas City	Sweeney Auto School	500	950	WKBY	Ludington, Mich.	K. L. Ashbacher	50	1500
WHBC	Canton, Ohio	St. John's Catholic Church	10	1200	WKEN	Buffalo, N. Y.	Radio Sta. WKEN, Inc.	1KW	1040
WHBD	Bellefontaine, O.	First Presb. Church	100	1370	WKJC	Lancaster, Pa.	Kirk, Johnson & Co.	100	1200
WHBF	Rock Island, Ill.	Bearsley Specialty Co.	100	1210	WKRC	Cincinnati, Ohio	J. S. Boyd	500	550
WHBL	Sheboygan, Wis.	Press Publ. Co.	500	1410	WKY	Oklahoma City, Okla.	WKY Radiophone Co.	1KW	900
WHBQ	Memphis, Tenn.	Broad. Station WHBQ, Inc.	100	1370	WLAC	Nashville, Tenn.	Life & Casualty Ins. Co.	5KW	1490
WHBU	Anderson, Ind.	Citizens' Bank	100	1210	WLAP	Louisville, Ky.	American Broad. Corp.	30	1200
WHBY	West De Pere, Wis.	St. Norbert College	100	1200					

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APEX
R A D I O

Complete Alphabetical List of All U. S. Stations

Call	Location	Owner	Power	Kcys.	Call	Location	Owner	Power	Kcys.
WLB-WGMS	Minneapolis, Minn.	Univ. of Minn.	500	1250	WOS	Jefferson City, Mo.	Missouri State Mktg. Bur.	500	630
WLCB	Muncie, Ind.	Donald A. Burton	500	1310	WOW	New York City, Int. Broad. Corp.		1KW	1130
WLBK	Kansas City, Kan.	Everett L. Dillard	100	1420	WOWV	Omaha, Neb.	Woodmen of the World	1KW	590
WLBG	Petersburg, Va.	Robert Allen Gamble	100	1200	WOWO	Ft. Wayne, Ind.	Main Auto Supply Co.	10KW	1160
WLBH	Stevens Pt., Wis.	Wis. Dept. of Markets	2KW	900	WPAA	Pawtucket, R. I.	Shartenberg & Robinson	100	1210
WLBW	Oil City, Pa.	Petroleum Telephone Co.	500	1260	WPCC	Chicago, Ill.	North Shore Cong. Church	500	570
WLKX	L. I. City, N. Y.	John N. Brahy	100	1500	WPCH	New York City, Eastern Broadcast, Inc.		500	810
WLBC	Rangor, Me.	Maine Broad. Co., Inc.	250	620	WPEN	Philadelphia, Pa.	Penn. Broad. Co.	1000	1500
WLCI	Ithaca, N. Y.	Lutheran Ass'n of Ithaca	50	1210	WPG	Atlantic City, N. Y.	Mun. of Atlantic City	5KW	1100
WLEX	Lexington, Mass.	Carl S. Wheeler	500	1360	WPQE	Patchogue, N. Y.	Nassau Broad. Corp.	30	1420
WLEY	Lexington, Mass.	Lexington Air Stations	100	1420	WPSC	State College, Pa.	Penn. State College	500	1230
WLIT	Philadelphia, Pa.	Lit Brothers	500	1560	WPTF	Raleigh, N. C.	Durham Life Ins. Co.	1KW	680
WLOE	Boston, Mass.	Boston Broad. Co.	100	1200	WQAM	Miami, Fla.	Miami Broad. Co.	1KW	1240
WLS	Chicago, Ill.	Agricultural Broad. Co.	5KW	870	WQAN	Scranton, Pa.	Scranton Times	250	880
WLTH	Brooklyn, N. Y.	Voice of Brooklyn, Inc.	500	1400	WQAO-WPAP	New York City, Calvary Baptist Ch.		250	1010
WLW	Cincinnati, O.	Crosley Radio Corp.	50KW	700	WQBC	Utica, Miss.	Utica Chamber of Commerce	300	1360
WLWL	New York City, N. Y.	Mission Soc.	5KW	1100	WQBZ	Weirton, W. Va.	J. H. Thompson	60	1420
WMAK	Cazenovia, N. Y.	Clive B. Meredith	250	570	WRAF	La Porte, Ind.	Radio Club, Inc.	100	1200
WMAF	S. Dartmouth, Mass.	Round Hills Rad. Corp.	500	1360	WRAE	Erle, Pa.	Clarence R. Cummins	50	1370
WMAK	Buffalo, N. Y.	WMAK Br. System, Inc.	750	900	WRAW	Reading, Pa.	Avenue Radio & Elec. Shop	100	1310
WMAL	Washington, D. C.	M. A. Lease	250	630	WRAX	Philadelphia, Pa.	Berachah Church, Inc.	250	1020
WMAN	Columbus, Ohio	W. E. Heskett	50	1210	WRBC	Valparaiso, Ind.	Immanuel Luth. Church	500	1240
WMAQ	Chicago, Ill.	Chicago Daily News, Inc.	5KW	670	WRBI	Tifton, Ga.	Kent's Furniture Store	20	1310
WMAY	St. Louis, Mo.	Pres. Church	100	1200	WRBJ	Hattiesburg, Miss.	Woodruff Furn. Co., Inc.	10	1500
WMAZ	Macon, Ga.	Macon Junior C. of C.	250	890	WRBL	Columbus, Ga.	David Farmer	50	1200
WMBA	Newport, R. I.	Leroy Joseph Beebe	100	1500	WRRQ	Greenville, Miss.	J. Pat Scully	100	1210
WMBC	Detroit, Mich.	Michigan Broad. Co., Inc.	100	1420	WRBT	Wilmington, N. C.	Wilmington Radio Assn.	100	1370
WMBD	Peoria Heights, Ill.	E. M. Kahler	500	1440	WRBU	Gastonia, N. C.	A. J. Kirby Music Co.	100	1210
WMRG	Richmond, Va.	Havsn & Martin, Inc.	100	1210	WRC	Washington, D. C.	Radio Corp. of America	500	950
WMRH	Joplin, Mo.	Edwin Dudley Aber	100	1420	WREC	Memphis, Tenn.	WREC, Inc.	500	600
WMBI	Chicago, Ill.	Moody Bible Institute	5KW	1080	WREN	Lawrence, Kan.	Jenny Wren Co.	1KW	1220
WMBJ	Pittsburgh, Pa.	Rev. John W. Sproul	100	1500	WRHM	Minneapolis, Minn.	Rosedale Hosp. Co.	1KW	1250
WMBL	Lakeland, Fla.	Fred T. Benford	100	1310	WRJN	Racine, Wis.	Racine Broad. Corp.	100	1370
WMBO	Auburn, N. Y.	Radio Service Laboratories	100	1370	WRK	Hamilton, O.	S. W. Doran & J. C. Slade	100	1310
WMBQ	Brooklyn, N. Y.	Paul J. Gollhofer	100	1500	WRNY	New York City, Aviation Radio Sta.		250	1010
WMBR	Tampa, Fla.	F. J. Reynolds	100	1210	WRR	Dallas, Tex.	City of Dallas	500	1280
WMC	Memphis, Tenn.	Memphis Com'l Appeal, Inc.	500	780	WRVF	Gainesville, Fla.	University of Florida	5KW	1470
WMCA	New York City, Greeley Square Hotel Co.		500	570	WRVA	Richmond, Va.	Larus & Bro. Co., Inc.	5KW	1110
WMES	Boston, Mass.	Mass. Educ. Society	50	1500	WSAI	Cincinnati, Ohio	Crosley Radio Corp.	500	1330
WMFN	Fairmont, W. Va.	Holt-Rowe Novelty Co.	250	890	WSAJ	Grove City, Pa.	Grove City College	100	1310
WMPC	Lapeer, Mich.	Meth. Prot. Church	100	1500	WSAN	Allentown, Pa.	Allentown Call Pub. Co.	250	1440
WMRJ	Jamaica, N. Y.	Peter J. Prinz	10	1420	WSAR	Fall River, Mass.	Doughty & Welsh El. Co.	250	1450
WMSG	New York City, Madison Square Garden		250	1350	WSAZ	Huntington, Va.	WSAZ, Inc.	250	580
WMT	Waterloo, Iowa	Waterloo Broad. Co.	100	1200	WSB	Atlanta, Ga.	Atlanta Journal Co.	1KW	740
WNAC	WBIS—Boston, Mass.	Shepard Norwell Co.	1KW	1230	WSB	Chicago, Ill.	World Battery Co.	100	1210
WNAD	Norman, Okla.	Univ. of Oklahoma	500	1010	WSBT	South Bend, Ind.	South Bend Tribune	500	1230
WNAT	Philadelphia, Pa.	Albert Walker	100	1310	WSGH-WSDA	Brooklyn, N. Y.	Amateur Radio Co.	500	1400
WNAX	Yankton, S. D.	Gurney Seed & Nurs. Co.	1KW	570	WSGP	Savannah, Ga.	C. of C.	500	1410
WNBF	Binghamton, N. Y.	Hewitt-Wood Rad. Co.	50	1500	WSIX	Springfield, Tenn.	638 Tire & Vulc. Co.	100	1210
WNBH	New Bedford, Mass.	New Bedford Br. Co.	100	1310	WSM	Nashville, Tenn.	Nat'l Life & Accident Ins.	5KW	650
WNEJ	Knoxville, Tenn.	Lonsdale Baptist Church	50	1310	WSMB	New Orleans, La.	Saenger Theaters	500	1320
WNBQ	Washington, Pa.	John Brownlee Spriggs	100	1200	WSMK	Dayton, O.	Stanley M. Krohn, Jr.	200	570
WNER	Memphis, Tenn.	John Ulrich	500	1430	WSOA	Forest Park, Ill.	Radiophone Br. Corp.	5KW	1480
WNBW	Carbondale, Pa.	Home Cut Glass Co.	5	1200	WSPD	Toledo, O.	Toledo Broadcasting Co.	500	1340
WNRX	Springfield, Vt.	First Congr. Church	10	1200	WSSH	Boston, Mass.	Tremont Temple Bap. Ch.	100	1420
WNBZ	Saranac Lake, N. Y.	Smith & Mace	10	1290	WSUI	Iowa City, Iowa	State Univ. of Iowa	500	580
WNJ	Newark, N. J.	Radio Investment Co.	250	1450	(WSUN-WFLA—See WFLA-WSUN)				
WNXX	Knoxville, Tenn.	Stearns Bros.	1KW	560	WSVS	Buffalo, N. Y.	Seneca Vocational School	50	1370
WNRC	Greensboro, N. C.	Wayne M. Nelson	250	1440	WSYR	Syracuse, N. Y.	Clive B. Meredith	250	570
WNVC	New York City, Dept. of Plant & Struct.		500	570	WTAD	Quincy, Ill.	Ill. Stock Medicine Br. Corp.	500	1440
WOAI	San Antonio, Tex.	Southern Equipment Co.	5KW	1190	WTAG	Worcester, Mass.	Worcester Telegram Co.	250	580
WOAN	Lawrenceburg, Tenn.	James D. Vaughan	500	600	WTAM	Cleveland, O.	WTAM & WEAR, Inc.	3 1/2 KW	1070
WOAX	Trenton, N. J.	Franklyn J. Wolff	500	1280	WTAQ	Eau Claire, Wis.	Gillette Rubber Co.	1KW	1330
WOBT	Union City, Tenn.	A. F. Tittsworth	15	1310	WTAR-WPOR	Norfolk, Va.	WTAR Radio Corp.	500	780
WOBV	Charleston, W. Va.	Charleston Rad. Br. Co.	250	580	WTAW	College Station, Tex.	Ag & M. Col. Tex.	500	1210
WOC	Davenport, Iowa	Palmer School of Chiropr.	5KW	1000	WTAX	Streator, Ill.	Williams Hardware Co.	50	1210
WOCJ	Jamestown, N. Y.	A. E. Newton	25	1210	WTBO	Cumberland, Md.	Cumberland Broad. Co.	50	1420
WODA	Paterson, N. J.	Richard E. O'Dea	1KW	1250	WTFI	Toccoa, Ga.	Toccoa Falls Institute	250	1450
WOI	Ames, Iowa	Iowa State College	3 1/2 KW	560	WTIC	Hartford, Conn.	Travelers Br. Serv. Corp.	250	600
WOKO	Poughkeepsie, N. Y.	Harold E. Smith	500	1440	WTMJ	Milwaukee, Wis.	The Journal Co.	1KW	620
WOL	Washington, D. C.	American Broad. Co.	100	1310	WTNT	Nashville, Tenn.	Tenn. Pub. Co.	5KW	1490
WOMT	Manitowoc, Wis.	Francis M. Kadow	100	1210	WTOC	Savannah, Ga.	Chamber of Commerce	500	1410
WOPI	Bristol, Tenn.	Radiophone Service Co.	100	1500	WWAE	Hammond, Ind.	Hammond-Calumet Br. Cor.	100	1200
WOOD	Grand Rapids, Mich.	Walter B. Stiles, Inc.	500	1270	WWJ	Detroit, Mich.	Evening News Ass'n	1KW	920
WOQ	Kansas City, Mo.	Univ. Sch. of Christianity	1KW	610	WWL	New Orleans, La.	Loyola University	5KW	850
WOR	Newark, N. J.	L. Bamberger & Co.	5KW	710	WWNC	Asheville, N. C.	Citizens' Broad. Co., Inc.	1KW	570
WORC	Auburn, Mass.	Albert Kleindienst	100	1200	WWRL	Woodside, N. Y.	Long Island Br. Corp.	100	1500
WORD	Chicago, Ill.	People's Pulpit Ass'n	5KW	1480	WWVA	Wheeling, W. Va.	W. Va. Br. Co.	5KW	1160

SPARTON tones are rich and resonant at any volume

U. S. STATIONS BY STATES AND CITIES

ALABAMA		Gunnison	KFHA	Rockford	KFLV	Boston	WLOE
Birmingham	WAPI	Pueblo	KGHW	Rock Island	WHBF	Boston	WMES
Birmingham	WBRC	Trinidad	KGIW	Springfield	WCBS	Boston	WSSH
Birmingham	WBBC	Yuma	KGEK	Streator	WTAX	S. Dartmouth	WMAF
Gadsden	WJBY	CONNECTICUT		Tuscola	WDZ	Fall River	WSAR
ALASKA		Bridgeport	WICC	Urbana	WILL	Gloucester	WHDH
Ketchikan	KGBU	Hartford	WTIC	Zion	WCBD	Gloucester	WEPS
ARIZONA		New Haven	WDRC	INDIANA			
Flagstaff	KFXV	Storres	WCAC	Anderson	WHBU	Lexington	WLEX
Phoenix	KFAD	DELAWARE		Brookville	WKBV	New Bedford	WNBH
Phoenix	KOY	Wilmington	WDEL	Culver	WCMA	E. Springfield	WSZ
Tucson	KVOA	Wilmington	WILM	Evansville	WGBF	Webster	WORC
Tucson	KGAR	DIST. of COLUMBIA		Ft. Wayne	WGL	Wellesley Hills	WBSO
Prescott	KPJM	Washington	WMAL	Ft. Wayne	WOWO	Worcester	WTAG
ARKANSAS		Washington	WRC	Gary	WJKS	MICHIGAN	
Blytheville	KLCN	Washington	WOL	Hammond	WVAE	Battle Creek	WKBP
Fayetteville	KUOA	FLORIDA		Indianapolis	WFBM	Bay City	WBCM
Hot Springs	KTHS	Clearwater	WFLA	Indianapolis	WKBF	Berrien Spgs.	WEMC
Little Rock	KLRA	Clearwater	WSUN	LaPorte	WRAF	Calumet	WHDF
Little Rock	KGHI	Jacksonville	WJAX	Marion	WJAK	Detroit	WGHP
Little Rock	KGJF	Lakeland	WMBL	Muncie	WLBC	Detroit	WJR
McGehee	KGHG	Miami	WQAM	South Bend	WSBT	Detroit	WMBE
Siloam Spgs.	KFPW	Miami Beach	WIOD	Terre Haute	WBOW	Detroit	WWJ
CALIFORNIA		Orlando	WBDO	Valparaiso	WRBC	E. Lansing	WKAR
Berkeley	KRE	Pensacola	WCOA	IOWA			
Beverly Hills	KEJK	Tampa	WDAE	Ames	WOI	Flint	WFDF
Burbank	KELW	Tampa	WMBR	Boone	KFGQ	Grand Rapids	WOOD
Culver City	KFVD	GEORGIA		Cedar Rapids	KWCR	Grand Rapids	WASH
El Centro	KGEN	Atlanta	WGST	Clarinda	KSO	Jackson	WIBM
Fresno	KMJ	Atlanta	WSB	Council Bluffs	KOIL	Lapeer	WMPC
Hayward	KZM	Columbus	WRBL	Davenport	WOC	Ludington	WKBZ
Hollywood	KFWB	Macon	WMAZ	Decorah	KGCA	Royal Oak	WAGM
Hollywood	KNX	Savannah	WTOC	Decorah	KWLC	Ypsilanti	WJBK
Hollywood	KMTB	Tifton	WRBI	Des Moines	WHO	MINNESOTA	
Holy City	KFQU	Toccoa	WTFI	Ft. Dodge	KFJY	Collegeville	WFBJ
Inglewood	KMIC	HAWAII		Iowa City	WSUI	Duluth	WEBC
Long Beach	KGER	Honolulu	KGU	Marshalltown	KFJB	Fergus	KGDE
Long Beach	KFOX	IDAHO		Muscantine	KTNT	Hallock	KGFK
Los Angeles	KFI	Boise	KIDO	Ottumwa	WLAS	Minneapolis	WDGJ
Los Angeles	KFQZ	Idaho Falls	KGIO	Red Oak	KICK	Minneapolis	WHDJ
Los Angeles	KFSG	Idaho Falls	KID	Shenandoah	KFNF	Minneapolis	WLB
Los Angeles	KGEF	Jerome	KFXD	Shenandoah	KMA	Minneapolis	WCCO
Los Angeles	KGFJ	Pocatello	KSEI	Sioux City	KSCJ	Minneapolis	WGMS
Los Angeles	KHJ	Sandpoint	KGKX	Waterloo	WMT	Minneapolis	WRHM
Los Angeles	KPLA	Twin Falls	KGIQ	KANSAS			
Los Angeles	KTBI	ILLINOIS		Kansas City	WLBF	Northfield	KFMX
Oakland	KTM	Carthage	WCAZ	Lawrence	KFKU	Northfield	WCAL
Oakland	KLX	Chicago	KFKX	Lawrence	WREN	St. Paul	KSTP
Oakland	KGO	Chicago	KYKX	Manhattan	KSAC	MISSISSIPPI	
Oakland	KTAB	Chicago	KYW	Milford	KFKB	Columbus	WCOC
Oakland	KFWM	Chicago	WAF	Topeka	WIBW	Greenville	WRBQ
Oakland	KLS	Chicago	WBBM	Wichita	KFH	Gulfport	WGCM
Pasadena	KPPC	Chicago	WCFL	KENTUCKY			
Pasadena	KPSN	Chicago	WCRW	Hopkinsville	WFIW	Hattiesburg	WRJZ
Pomona	KFXM	Chicago	WEDC	Louisville	WHAS	Utica	WQBC
Sacramento	KFBK	Chicago	WENR	Louisville	WLAP	MISSOURI	
San Diego	KFSB	Chicago	WBCN	LOUISIANA			
San Diego	KGB	Chicago	WGES	Kennerwood	KWKH	Cape Girardeau	KFVS
San Francisco	KFRC	Chicago	WGN	New Orleans	WABZ	Clayton	KFUO
San Francisco	KFWI	Chicago	WJAZ	New Orleans	WJBO	Columbia	KFRU
San Francisco	KGGC	Chicago	WJBO	New Orleans	WJBW	Independence	KMBC
San Francisco	KJBS	Chicago	WJBT	New Orleans	WSMB	Jefferson City	WOS
San Francisco	KPO	Chicago	WKBI	New Orleans	WWL	Joplin	WMBH
San Francisco	KYA	Chicago	WLS	Shreveport	KRMD	Kansas City	KWK
San Jose	KQW	Chicago	WMAQ	Shreveport	KTSL	Kansas City	KWKC
Santa Ana	KREG	Chicago	WMBI	Shreveport	KWEA	Kansas City	WDAF
Santa Barbara	KDB	Chicago	WORD	Shreveport	KTBS	Kansas City	WHB
Santa Maria	KSMR	Chicago	WPCC	MAINE			
Stockton	KWG	Chicago	WSBC	Bangor	WABI	Kansas City	WOQ
Stockton	KGDM	Chicago	WLB	Bangor	WLBZ	Kirksville	KFKZ
Westminster	KPWF	Cicero	WHFC	Portland	WCBS	St. Joseph	KFEQ
COLORADO		Decatur	WJBL	MARYLAND			
Colo. Springs	KFUM	Evanston	WEHS	Baltimore	WCAO	St. Joseph	KGXB
Denver	KPOF	Forest Park	WSOA	Baltimore	WCBM	St. Louis	KFQA
Denver	KFUP	Galesburg	WKBS	Baltimore	WFRB	St. Louis	KMOX
Denver	KFEL	Harrisburg	WEBQ	Baltimore	WBAL	St. Louis	KWK
Denver	KFXF	Joliet	WCLS	Cumberland	WTBO	St. Louis	KFWF
Denver	KOA	Joliet	WKBB	MASSACHUSETTS			
Dupont	KLZ	La Salle	WJBC	Boston	WBZA	St. Louis	KSD
Edgewater	KFXJ	Mooseheart	WJJD	Boston	WBIS	St. Louis	WEW
Ft. Morgan	KGEW	Peoria Hts.	WMBD	Boston	WNAC	St. Louis	WIL
Greeley	KFKA	Quincy	WTAD	MISSOURI			

SPARTON brings you not merely programs but *personalities*

U. S. STATIONS BY STATES AND CITIES

Lincoln	KFAB	Schenectady	WGY	Harrisburg	WCOD	Galveston	KFLX
Lincoln	WCAJ	Syracuse	WFBL	Harrisburg	WHP	Galveston	KFUL
Norfolk	WJAG	Syracuse	WSYR	Johnstown	WJAC	Greenville	KFPM
Omaha	WAAW	Troy	WHAZ	Lancaster	WGAL	Harlingen	KRGV
Omaha	WOW	Tupper Lake	WHDL	Lancaster	WKJC	Houston	KPRC
Ravenna	KGFV	Utica	WIBX	Lewisburg	WJBU	Houston	KTUE
York	KGBZ	Woodside	WWRL	N. Fayette	WJAS	Richmond	KGHX
	NEVADA	Yonkers	WCOH	Oil City	WLWB	San Angelo	KGKL
Las Vegas	KGIX		NORTH CAROLINA	Philadelphia	WEAN	San Antonio	KGCI
Reno	KOH	Asheville	WWNC	Philadelphia	WFI	San Antonio	KGDR
	NEW HAMPSHIRE	Charlotte	WBT	Philadelphia	WCAU	San Antonio	KGRC
Laconia	WKAV	Gastonia	WRBU	Philadelphia	WCKD	San Antonio	KTSA
Tilton	WBRL	Greensboro	WNRC	Philadelphia	WELK	San Antonio	KTAP
	NEW JERSEY	Raleigh	WPTF	Philadelphia	WIP	San Antonio	WOAI
Asbury Park	WCAP	Wilmington	WRBT	Philadelphia	WLIT	Waco	WJAD
Atlantic City	WPG	Winston	WJDZ	Philadelphia	WNAT	Wichita Falls	WGKO
Camden	WCAM		NORTH DAKOTA	Philadelphia	WPEN		UTAH
Elizabeth	WIBS	Bismarck	KFYR	Philadelphia	WRAX	Ogden	KLO
Ft. Lee	WBMS	Devils Lake	KDLR	Pittsburgh	KDKA	Salt Lake City	KDYL
Jersey City	WAT	Fargo	WDAY	Pittsburgh	KQV	Salt Lake City	KSL
Jersey City	WKBO	Grand Forks	KFJM	Pittsburgh	WMBJ		VERMONT
Newark	WOR	Mandan	KGCU	Reading	WRAW	Springfield	WNBX
Newark	WAAM		OHIO	Scranton	WGBI		VIRGINIA
Newark	WGCP	Akron	WADC	State College	WPSC	Mechanicsville	WRVA
Newark	WNJ	Akron	WFJC	Washington	WNBO	Mt. Vern. Hills	WJS
Paterson	WODA	Bellefontaine	WBHD	Wilkesbarre	WBAX	Newp't News	WGH
Red Bank	WJBI	Cambridge	WEBE	Wilkesbarre	WBRE	Norfolk	WTAR
Trenton	WOAX	Canton	WHBC		PORTO RICO	Norfolk	WPOR
	NEW MEXICO	Cincinnati	WKRC	San Juan	WKAQ	Petersburg	WLBG
Albuquerque	KGGM	Cincinnati	WSAI		RHODE ISLAND	Richmond	WMBG
State College	KOB	Cleveland	WJAY	Newport	WMBA	Richmond	WBBL
Raton	KGFL	Cleveland	WHK	Pawtucket	WPAA	Richmond	WTAZ
	NEW YORK	Cleveland	WTAM	Providence	WDWF	Roanoke	WDBJ
Amherst	WGR	Cleveland	WEAR	Providence	WEAN		WASHINGTON
Auburn	WMBO	Columbus	WAIU	Providence	WJAR	Aberdeen	KXRO
Bay Shore	WINR	Columbus	WCAH	Providence	WLSI	Bellingham	KVOS
Binghampton	WNBF	Columbus	WEAO		SOUTH CAROLINA	Everett	KFBL
Brooklyn	WBBC	Columbus	WMAN	Charleston	WBBY	Lacey	KGY
Brooklyn	WLTH	Hamilton	WRK		SOUTH DAKOTA	Longview	KUJ
Brooklyn	WMBQ	Mansfield	WJW	Brookings	KFDY	Pullman	KWSC
Brooklyn	WSGH	Mansfield	WLBV	Dell Rapids	KGDA	Seattle	KOL
Brooklyn	WSDA	Springfield	WCSO	Oldham	KGDY	Seattle	KPQ
Buffalo	WEBR	Steubenville	WBR	Pierre	KGFX	Seattle	KVI
Buffalo	WKBW	Toledo	WSPD	Rapid City	WCAT	Seattle	KJR
Buffalo	WKEN	Villa Madonna	WCKY	Sioux Falls	KSOO	Seattle	KOMO
Buffalo	WSVS	Youngstown	WKBN	Vermillion	KUSD	Seattle	KPCB
Canton	WCAD		OKLAHOMA	Watertown	KGCR	Seattle	KRSC
Cazenovia	WMAC	Alva	KGFF	Yankton	WNAX	Seattle	KTW
Coney Island	WCGU	Chickasha	KOCW		TENNESSEE	Seattle	KXA
Freeport	WGBB	Enid	KCRC	Bristol	WOPI	Seattle	KHQ
Ithaca	WEAI	Norman	WNAD	Chattanooga	WDOD	Spokane	KFIO
Ithaca	WLCI	Oklahoma City	KJFF	Knoxville	WFBC	Spokane	KFPY
Jamaica	WMRJ	Oklahoma City	KFXR	Knoxville	WNBJ	Spokane	KGA
Jamestown	WOCL	Oklahoma City	KGFG	Knoxville	WNOX	Tacoma	KMO
Long Beach	WCLB	Oklahoma City	WKY	Lawrenceburg	WOAN	Tacoma	KVI
L. Island City	WLXB	Picher	KGGF	Memphis	WMBG	Yakima	KIT
New York	WABC	Ponca City	WBBZ	Memphis	WHBQ		WEST VIRGINIA
New York	WBNY	Tulsa	KVOO	Memphis	WMC	Bluefield	WHIS
New York	WBOQ		OREGON	Memphis	WNBR	Charleston	WOBU
New York	WCDA	Astoria	KFJI	Nashville	WLAC	Fairmont	WMMN
New York	WEAF	Corvallis	KOAC	Nashville	WSM	Huntington	WSAZ
New York	WEVD	Eugene	KORE	Nashville	WTNT	Wheeling	WWVA
New York	WGBS	Marshville	KOOS	Springfield	WSIX	Weirton	WQBZ
New York	WHAP	Medford	KMED	Union City	WOBT		WISCONSIN
New York	WHN	Portland	KEX	Whitehaven	WREC	Beloit	WEBW
New York	WJZ	Portland	KFIF		TEXAS	Brookfield	WTMJ
New York	WKBW	Portland	KFJR	Abilene	KFYO	Eau Claire	WTAQ
New York	WLWL	Portland	KGW	Amarillo	KGRS	Fond du Lac	KFIZ
New York	WMLA	Portland	KTBR	Amarillo	WDAG	Kenosha	WCLO
New York	WMSG	Portland	KOIN	Austin	KUT	LaCrosse	WKBH
New York	WNYC	Portland	KVEP	Beaumont	KFDM	Madison	WIBA
New York	WOV	Portland	KWJJ	Brownsville	KWVG	Madison	WHA
New York	WPAP	Portland	KXL	Brownwood	KGKB	Manitowoc	WOMT
New York	WPCH		PENNSYLVANIA	Col. Station	WTAW	Milwaukee	WHAD
New York	WQAO	Allentown	WCBA	Corpus Christi	KGFI	Milwaukee	WISN
New York	WRNY	Allentown	WSAN	Dallas	KRLD	Pinette	WIBU
Patehogue	WPOE	Altoona	WFBG	Dallas	KTAT	Racine	WRJN
Poughkeepsie	WOKO	Carbondale	WNBW	Dallas	WFAA	Sheboygan	WHBL
Rochester	WABO	Elkins Park	WIBG	Dallas	WRR	Stevens Point	WLEL
Rochester	WHAM	Erie	WEDH	Dublin	KFPL	West DePere	WHBY
Rochester	WHCC	Erie	WRAK	El Paso	WDAH		WYOMING
Rossville	WBRR	Grove City	WSAJ	Fort Worth	KFJZ	Casper	KDFN
Saranac Lake	WNEZ	Harrisburg	WBAK	Fort Worth	WBAP		

Hear the new SPARTON EQUASONNE . . . see the new Models

Wave Length-Kilocycle Conversion Table

The following table gives the values of kilocycles corresponding to values of wave length in meters, using the factor 299,820,000 meters a second as the speed of the electromagnetic wave. This table covers the band of waves allocated to broadcast stations. To get channel number, omit last cipher of kilocycle rating.

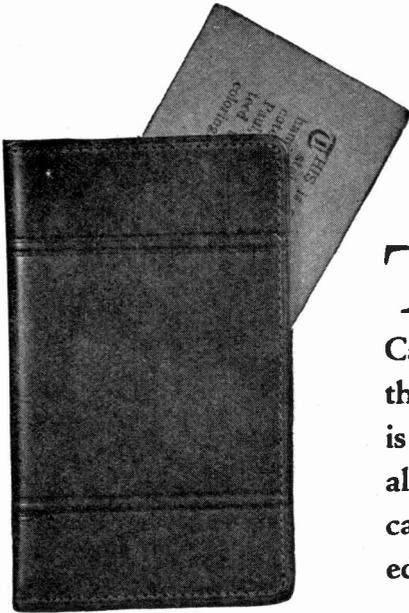
Meters	Kilocycles	Meters	Kilocycles	Meters	Kilocycles
199.9	1500	256.3	1170	356.9	840
201.2	1490	258.5	1160	361.2	830
202.6	1480	260.7	1150	365.6	820
204	1470	263	1140	370.2	810
205.4	1460	265.3	1130	374.8	800
206.8	1450	267.7	1120	379.5	790
208.2	1440	270.1	1110	384.4	780
209.7	1430	272.6	1100	389.4	770
211.1	1420	275.1	1090	394.5	760
212.6	1410	277.6	1080	399.8	750
214.2	1400	280.2	1070	405.2	740
215.7	1390	282.8	1060	410.7	730
217.3	1380	285.5	1050	416.6	720
218.8	1370	288.3	1040	422.3	710
220.4	1360	291.1	1030	428.3	700
222.1	1350	293.9	1020	434.5	690
223.7	1340	296.6	1010	440.9	680
225.4	1330	299.8	1000	447.5	670
227.1	1320	302.8	990	454.3	660
228.9	1310	305.9	980	461.3	650
230.6	1300	309.1	970	468.5	640
232.4	1290	312.3	960	475.9	630
234.2	1280	315.6	950	483.6	620
236.1	1270	319	940	491.5	610
238	1260	322.4	930	499.7	600
239.9	1250	325.9	920	508.2	590
241.8	1240	329.5	910	516.9	580
243.8	1230	333.1	900	526	570
245.8	1220	336.9	890	535.4	560
247.8	1210	340.7	880	545.1	550
249.9	1200	344.6	870	555.2	540
252	1190	348.6	860	565.7	530
254.1	1180	352.7	850	576.6	520

The values as specified herewith were developed by the United States Bureau of Standards and are convertible. That is, wherever a value of frequency or wave length appears it is interchangeable with the value associated with it. In other words, where 205.4 meters is equal to 1460 kilocycles 1460 meters is equal to 205.4 kilocycles.

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

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

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New _____ Extension _____

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PERFORMANCE

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FULL TONE-COLOR
ELECTRO-DYNAMIC
SPEAKER



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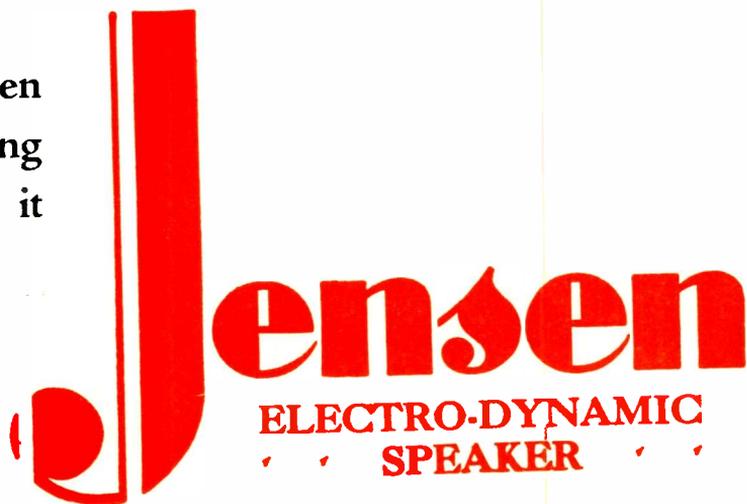
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Lakeside 3833

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are asking, "What kind of a

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factory standards that bear no
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s of use.

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do well to ask, "Is it



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ELECTRO-DYNAMIC
SPEAKER

ALL FOR only \$3.25

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MOTION PICTURE MAGAZINE—For one year

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24 sepia finished pictures of popular players,
size 5½ x 8 inches each

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Al Jolson
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H. B. Warner
John Boles
Johnny Mack Brown

Jack Mulhall
Maurice Chevalier
Baclanova
Nick Stuart
Betty Compson
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Motion Picture Magazine always gives you the latest news and gossip, exclusive pictures, intimate stories about the stars—and fairest reviews of pictures.

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I am now a subscriber to: *Broadcast Weekly*
Motion Picture

TUESDAY 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, assisted by 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.—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" Mort-
land

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.—Studio hour

10 to 11 p.m.—Theodore Strong, organist, with
Elmer Herling, baritone

11 to 12 midnight—Musical Musketeers, NBC

254.1 Meters **KEX** **Channel 118**
1180 Kcys. **5000 Watts**

Western Broadcasting Co., Portland, Ore.

5 to 6 p.m.—Popular program

6 to 7 p.m.—Lyric Hour

8 to 8:30 p.m.—Classical program

8:30 to 8:45 p.m.—Troubles of Thomas

8:45 to 9 p.m.—Novelty program

9 to 10 p.m.—Studio program

10 to 10:30 p.m.—Dance program

10:30 to 11:30 p.m.—Jack and Jill Dance Band

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

Nichols & Warinner, Long Beach, Calif.

12 to 1 p.m.—Hollywood Girls

1 to 1:30 p.m.—Kiwanis Club luncheon

1:30 to 2 p.m.—Originality Girls

2 to 2:15 p.m.—Health talk, Dr. Harbottle

2:15 to 2:30 p.m.—Records

2:30 to 3 p.m.—Long Beach Band

3 to 3:30 p.m.—Organ recital

3:30 to 4 p.m.—Long Beach Band

4 to 5:30 p.m.—Organ recital; news

5:30 to 6 p.m.—Hollywood Girls

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

6:05 to 6:30 p.m.—Hollywood Girls

6:30 to 6:45 p.m.—Studio frolic

6:45 to 7 p.m.—Dr. Williams

7 to 7:30 p.m.—Studio frolic

7:30 to 8 p.m.—Buster Wilson's orchestra

8 to 8:30 p.m.—Long Beach Band

8 to 9 p.m.—Cecil Fry, popular songs

9 to 11 p.m.—El Patio Ballroom

11 to 11:30 p.m.—Majestic Ballroom

11:30 to 12 midnight—Silver Spray Ballroom Or-
chestra

12 to 1 a.m.—Recordings

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 4 p.m.—Recordings

4 to 4:30 p.m.—Santa Claus, Emporium Air
Castle

4:30 to 5 p.m.—Recordings

5 to 6 p.m.—Sunset concert

6 to 6:30 p.m.—James Dickie, baritone; Leland
Morgan, accompanist

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.—Earl Le Claire Play Boys; Tom
Smith, master of ceremonies

8 to 8:30 p.m.—Pacific Artists' Trio; Greta
Gahler, soprano

8:30 to 9 p.m.—Song recital; Dorothy Lewis,
contralto; Claire Upshur, soprano, and Con-
stance Piper, pianist

9 to 10 p.m.—Pacific Artists' Trio; 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

309.1 Meters **KJR** **Channel 97**
970 Kcys. **5000 Watts**

Northwest Radio Service Co., Seattle, Wash.

5 p.m.—Dinner concert

6 p.m.—Radio Nature Club

6:15 p.m.—Collegiate Candy Boys

6:30 p.m.—Agatha Turley, soprano; Sid. Dixon,
tenor

7 p.m.—Orpheus String Quintet

7:30 p.m.—A Pair of Jacks

8 p.m.—Harmony Aces Dance Band

9 p.m.—Orchestra; Sidney Dixon, Agatha Turley

10 p.m.—Los Gauchos Argentine Ensemble

11 p.m.—KJR Review

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

General Electric Co., Denver, Colorado

5 to 5:30 p.m.—Farm Question Box

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.—Clicquot Club Eskimos, NBC

7:30 to 8 p.m.—Freshman Orchestradians, NBC

8 to 8:30 p.m.—Radio-Keith-Orpheum, NBC

8:30 to 8:35 p.m.—Financial Independence

8:35 to 9:35 p.m.—Concert orchestra and male
quartet

9:35 to 9:50 p.m.—Lucile Fowler, contralto

204 Meters **KGA** **Channel 147**
1470 Kcys. **5000 Watts**

Northwest Radio Serv. Co., Spokane, Wash.

4:30 p.m.—Uncle Andy

5 p.m.—World Bookman and music

6 p.m.—Melody Aces Carrie Andrew

7 p.m.—Harry Long, baritone; Artists' Ensemble

8 p.m.—Studio program

8:30 p.m.—Harmony Aces Dance Band; Eulala
Dean, blues

9 p.m.—Sidney Dixon, tenor; Agatha Turley,
soprano

10 p.m.—Request program

TUESDAY Programs

NBC

National Broadcasting Company

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

Miss Crocker adds a touch of romance to home-making with her presentation of helpful and interesting recipes.

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

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

"Golden Harvest" is the intriguing name Ann Holden has given to a new holiday salad which she will describe today.

Bennie Walker, editor, and the staff will join Miss Holden afterward to present the Sunset Magazine feature, and, closing the hour, the Wedgewood period will afford a talk by Miss Holden on "Pumpkin Pie de Luxe."

Marian Gilbert, contralto, and Harry Stanton, basso, are the soloists whose contributions will be heard with Joseph Hornik's Magazine Melodists.

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

2 to 3 p.m.—The Wanderers

In the cast of this serial drama, which is woven about the travels of two young Americans in foreign lands, are Bert Horton, Jacques Phipps, Bernice Berwin, Bobbe Deane, Olive West and Laurence Tulloch.

"The Wanderers," written by H. C. Connette, will be released through KGO, KHQ, KOMO, KGW and KPO.

3 to 3:15 p.m.—National Park Service Talks

"Lassen" will be Joseph S. Dixon's subject when he presents another in a series of National Park Service talks.

Dixon is field naturalist in charge of wild life investigations for the state of California. Broadcast through KGO, KHQ, KOMO and KGW.

4:15 to 4:30 p.m.—Second Universal Safety Series

Safety will be the theme of another program in the second Universal Safety Series, broadcast through KGO, KOMO and KGW.

5:30 to 6 p.m.—Around the World with Libby

With members of the nation-wide audience of the NBC system safely on board ship, another leg of the "Around the World with Libby" musical cruise, captained by Josef Pasternack, will begin this evening.

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

6 to 7 p.m.—Eveready Hour

Originating in New York City, another Eveready Hour presentation will be broadcast through a coast-to-coast network of NBC system stations tonight beginning at 6 o'clock, Pacific standard time.

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

7 to 7:30 p.m.—Clicquot Club Eskimos

With Harry Reser to direct them, the Clicquot Club Eskimos will broadcast a 30-minute program of popular music through stations of the NBC system from coast to coast tonight.

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

7:30 to 8:30 p.m.—Radio-Keith-Orpheum Hour

Facing a solitary microphone instead of a sea of faces in front of footlights, stage celebrities from the two-a-day will entertain the

nation-wide audience of the NBC system tonight through KGO, KHQ, KOMO, KGW and KFI.

8:30 to 9 p.m.—Details for this program not available.

9 to 9:30 p.m.—The Parker Duofold Family

In addition to the vocal efforts by the tenor, contralto and baritone voices in the Parker Duofold Family, there will be a number of orchestral selections, including a group of Stephen Foster gems with a vocal chorus.

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

10 to 11 p.m.—Spotlight Review

Combining many forms of musical entertainment with dramatic offerings. The program is in the nature of a surprise, since none of the details are announced in advance.

Broadcast through KGO, KHQ and KFI.

11 to 12 midnight—Walter Beban, with his

"talking saxophone," will direct the 14-piece band. Novelty interpolations have been arranged by Charles Marshall.

Broadcast through KGO, KHQ, KOMO and KPO.

468.5 Meters

640 Kcys.

KFI

Channel 64

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.—Triolian Trio

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

2:30 p.m.—"Phomena"

3:45 p.m.—Leonard Van Berg and Jackie Archer

4 p.m.—Art Schwartz and Harry Coe

4:15 p.m.—Dr. Miller, "Human Nature"

4:30 p.m.—Big Brother

5 p.m.—Program by Wedgewood Nowell

5:30 p.m.—Edwin August, dramatic critic

5:45 p.m.—Stock market reports

6 p.m.—Eveready Hour, NBC

7 p.m.—Clicquot Club, NBC

7:30 p.m.—RKO Hour

8:30 p.m.—Studio program

9 p.m.—Parker Duofold Family, NBC

10 p.m.—Spotlight Review, NBC

11 p.m.—KFI news bureau

315.6 Meters

950 Kcys.

KFWB

Channel 95

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.—Murphey 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

TUESDAY Programs

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.—S. F. stocks, closing prices
- 3 to 3:30 p.m.—Marguerite Vogel, contralto; 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, 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.—Rhinar and Scott
- 8 to 9 p.m.—Lynn Prvor's dance orchestra
- 9 to 10 p.m.—Helen Wegman Parmelee, pianist; Fred Bounds, tenor; Nerino Turchet, accordionist
- 10 to 11 p.m.—Fleur-de-Lis dance orchestra

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

Radio Entertainments, San Francisco, Calif.

- 7 to 8 a.m.—Health exercises
- 9 to 9:30 a.m.—Cal King's Country Store
- 9:30 to 10 a.m.—Recordings
- 10 to 10:30 a.m.—Charlie Glen, "Old Songs"
- 10:30 to 10:50 a.m.—Dr. Linebarger health talk
- 10:50 to 11 a.m.—News, weather, police reports
- 12 to 12:30 p.m.—Luncheon program
- 12:30 to 1 p.m.—Gloom Chasers
- 1 to 1:30 p.m.—Cal King's Country Store
- 6 to 7 p.m.—Dinner hour program
- 7 to 7:30 p.m.—Studio program
- 11 to 12 midnight—Dance orchestra
- 12 to 1 a.m.—Midnight classics

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.—Sunset Revue
- 4:30 to 4:45 p.m.—Records

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.—Planologue 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

491.5 Meters **KFRC** **Channel 61**
610 Kcys. **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 2 p.m.—Columbia Symphony Orchestra, 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
- 4:55 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.—Sierra Symphonists, DLBS
- 7:30 to 8 p.m.—Remar Twins
- 8 to 9 p.m.—Pacific States Savings program
- 9 to 9:30 p.m.—Chrysler Silver Wings, featuring Abe Bloom, Hazel Warner; conducted by Mahlon Merrick
- 9:30 to 10 p.m.—"Captain Adams," featuring Harold Dana
- 10 to 10:10 p.m.—"Frank Watanabe"
- 10:10 to 11:10 p.m.—Val Valente and his Roof Garden Orchestra, Edna Fischer, Bob Olsen, soloists
- 11:10 to 12:10 a.m.—Val Valente and his Roof Garden Orchestra, Mac, Jean Wakefield, soloists
- 12:10 to 1 a.m.—Dorado Club Silver Fizz dance music

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 3:15 p.m.—National Park Service talk, NBC
- 3:15 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 8:30 p.m.—Radio-Keith-Orpheum, NBC
- 8:30 to 9 p.m.—Studio program
- 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

TUESDAY Programs

333.1 Meters
900 Kcys.

KHJ

Channel 90
1000 Watts

Don Lee, Inc., Los Angeles, California

- 7 to 7:30 a.m.—Physical culture period
- 7:30 to 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 to 12:30 p.m.—Concert orchestra
- 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.—Western Air Express, talk
- 3:15 to 3:30 p.m.—Safety Conference, talk
- 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.—Don Lee Symphony
- 7:30 to 8 p.m.—Hank Howe's dance band
- 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 Burnett's Dance Orchestra
- 12 to 1 a.m.—Organ recital

325.9 Meters
920 Kcys.

KOMO

Channel 92
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, NBC
- 9:30 a.m.—So-A-Tone broadcast
- 9:45 a.m.—Betty Crocker's Home Talk
- 10 a.m.—So-A-Tone broadcast
- 10:30 a.m.—Woman's Magazine of the Air, NBC
- 11:30 a.m.—Orchestra; G. Donald Gray and Hayden Morris
- 11:45 a.m.—Mary Blake's Recipe Talk
- 12 noon—Agriculture Farm Talk
- 12:15 p.m.—What to Prepare for Dinner
- 12:30 p.m.—Orchestra; Perdin Korsmo, tenor
- 1 p.m.—Orchestra; Agnes Skartved and Greenwood Mitchell
- 2 p.m.—The Wanderers, NBC
- 3 p.m.—National Park Talk, NBC
- 3:15 p.m.—Artistic Ensemble; VeOna Solofsky, soprano
- 4 p.m.—Mining stock quotations
- 4:15 p.m.—National Safety Council, NBC
- 4:30 p.m.—Kiddies' program
- 5 p.m.—Stock, bond and grain quotations
- 5:15 p.m.—Dorothea Wei and Fred Lynch
- 5:30 p.m.—Around the World with Libby, NBC
- 6 p.m.—Eveready Hour, NBC
- 7 p.m.—Clicquot Club Eskimos, NBC
- 7:30 p.m.—Radio-Keith-Orpheum, NBC
- 8:30 p.m.—Studio program
- 9:30 p.m.—So-A-Tone broadcast
- 10 p.m.—Gold Shield Little Symphony
- 11 p.m.—News flashes
- 11:15 p.m.—Musical Musketeers, NBC
- 12 to 12:30 a.m.—Organ recital

508.2 Meters
590 Kcys.

KHQ

Channel 59
1000 Watts

Louis Wasmer, Inc., Spokane, Washington

- 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 3:15 p.m.—National Park Service talks, NBC
- 3:15 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.—Clicquot Club Eskimos, NBC
- 7:30 to 8:30 p.m.—RKO program, NBC
- 8:30 to 9 p.m.—Studio program
- 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
- 12 to 1 a.m.—Just Another Hour

285.5 Meters
1050 Kcys.

KNX

Channel 105
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
- 11:15 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

296.6 Meters
1010 Kcys.

KQW

Channel 101
500 Watts

First Baptist Church, San Jose, Calif.

- 12 to 12:30 p.m.—Carl's Hawaiians
- 12:30 to 1 p.m.—Market reports, weather
- 1 to 1:30 p.m.—Hart's Happy Half Hour
- 1:30 to 2:30 p.m.—The Friendly Hour
- 2:30 to 3:30 p.m.—Musical program
- 5 to 5:30 p.m.—Children's program
- 5:30 to 6 p.m.—Musical program
- 6 to 6:10 p.m.—U. S. D. A. Farm Flashes
- 6:10 to 6:30 p.m.—Crop Digest
- 6:30 to 6:45 p.m.—Market, weather reports
- 6:45 to 6:55 p.m.—Farm Reporter
- 6:55 to 7 p.m.—Farmers' Exchange
- 7 to 8 p.m.—Farm Bureau Radio News
- 8 to 9:30 p.m.—"You Never Can Tell" program

FIVE BIG CITIES USING RADIO TO FIGHT CRIMINAL ELEMENT

CRIME is costing the United States ten billion dollars a year. The actual losses due to crime are about \$4,000,000,000 and it costs \$6,000,000,000 for law enforcement. Nine thousand persons are killed annually, but the arrests run to only about half that number. Police departments, balked in their efforts to curb criminal activities by ordinary means, have turned to radio as the newest weapon of social defense.

The most notable developments of police radio have taken place in New York, Detroit, Chicago, Cleveland and Berkeley. In each city the methods are greatly the same. Squad cars are equipped with receivers, adjusted to a fixed wave length. The receivers are kept "tuned on" all the time and the central police radio station can instantly broadcast to them, and mobilize any number of officers at a given spot rapidly and efficiently.

In the early experiments a local broadcasting station was used as the central police headquarters, and broadcasts sent to cars from this station. This system was discontinued when a burglar, robbing a house, turned on a radio set and heard squad cars being directed to close in on him. A neighbor had seen a light in the apartment where he was working and telephoned police headquarters. The burglar left a note "Thanks for the tip" and fled, leaving the radio going.

It was seen that this system would not do. In the cities named, now, police radio stations, operated by the police alone, and working on special wave lengths not within the broadcast band, are being used. Of course crooks may tune a special instrument to such a wave, but usually instructions from police headquarters are now coded so that if the crooks did hear the broadcast they could make nothing of it.

Despite the fact that the average "cop" doesn't take kindly to a radio set in the police car, classing it as a new-fangled contraption without merit the system is working out astonishingly well, and it is only a matter of time before every police department in the country will have its own broadcast set, its radio equipped cars, and its own means for communicating in code with other police headquarters in an independent network of its own.

No effort is being made for cars to communicate with central headquarters by radio, this entailing a lot of unnecessary apparatus. A corner drug store or a police patrol box

places a telephone at every officer's hand and a transmitter in the car is of no value. But for quick mobilization of squad cars in areas where bandits or other malefactors are in operation the police radio is in a class by itself.

Uncle Sam has already recognized the coming police use of radio by reserving certain special wave bands for police use only.

RADIO "FLYING EYE" NEW ARMY AID

UNCLE Sam is rapidly getting ready for the next war, at least as far as its air equipment is concerned.

Within a few days a giant war plane, equipped with powerful radio apparatus, which will enable it to keep in constant touch with ground stations over long distances, is to be given a thorough test by the War Department as preliminary to the construction and equipment of similar planes in quantities.

Long range telephoto apparatus will be featured along with the special radio equipment. The plane itself will be driven by two huge motors either of which is sufficient for it to climb or cruise at high speed. The plane itself will be of the monoplane type and is said to be tremendously fast.

The crew will consist of a pilot, a gunner and the observer, the latter being both cameraman and radio operator. The observer will sit in the front cockpit, where he will have best visibility in all directions. He also will have a machine gun for emergency, as an aid to the gunner in the rear cockpit. The pilot rides between observer and gunner.

It is planned to use the plane principally in reconnaissance work, radioing observations to ground stations, for the information of ground units. The powerful radio apparatus will enable them to use the "flying eyes" for immediate counter moves and such other activities as may be incident to the plane's observations.

It is also figured that in the event the plane is brought down in enemy territory, it may be able to send its observations to ground stations before it falls, whereas, in the case of non-radio planes, whatever observations were made were heretofore lost.

WEDNESDAY Programs

NBC

National Broadcasting Company

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

A variety of tempting viands will be described today by Mary Hale Martin.

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

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

Interpreted by the Magazine Melodists, "A Cyclone in Darktown" sets the tempo of the Oronite Feature which today opens the "Woman's Magazine of the Air" with Bennie Walker conducting.

Magnolia, Henry and Charley present the Oronite comedy, which will be followed by the Easter Housekeeping Feature and a Fuller period. Helen Webster will speak during these on "Dishwashing Made Easy" and "Painted Furniture for Gifts."

Jack Deane, "dean of popular songs," and John Teel, baritone, are today's soloists.

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

1 to 2 p.m.—Radio Guild

The Radio Guild will broadcast a special adaptation of another dramatic masterpiece through KGO, KGW and KOMO.

2 to 2:15 p.m.—National Woman's Party

Under the auspices of the National Woman's Party, a 15-minute program will be broadcast through KGO, KHQ, KOMO and KGW.

2:45 to 3 p.m.—National Park Service Talks

Earl U. Homuth, park naturalist at Crater Lake, is scheduled to speak before an NBC microphone today through KGO, KHQ, KOMO and KGW.

3 to 4 p.m.—The Cabin Door

During this presentation a 30-minute dramatic dealing with the lives of a group of happy-go-lucky colored cabin dwellers will be interspersed between two musical programs.

Broadcast through KGO, KHQ, KOMO and KGW. (3 to 3:15 p.m.) and KPO.

4:30 to 5 p.m.—Westinghouse Salute

During these 30 minutes auditors will hear a 90-piece orchestra of voices and instruments conducted by Cesare Sodero and a score of actors and actresses in an elaborate presentation outlining the history, romance and progress of the food industry.

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

6 to 6:30 p.m.—Halsey, Stuart Program

The "Old Counsellor" and Andy Sannella will present the high-lights of the Halsey, Stuart program broadcast through KGO, KHQ, KOMO, KGW and KFI.

6:30 to 7:30 p.m.—Palmolive Program

Olive Palmer, coloratura soprano, who is always a feature of this program, has two solos—"Blue Danube Waltz" and "A Birthday." Paul Oliver, tenor, will also be heard, singing "A Garden in the Rain" and "Gypsy Love Song."

"Bigger and Better than Ever" from "Scandals" and selections from "Mlle. Modiste" are the opening and closing ensemble numbers in this program, which will also present an orchestra directed by Gustave Haenschen and the Revelers, a male quartet.

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

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

Standing before an orchestral unit numbering 48 musicians, Guy Fraser Harrison will conduct a half hour program. Harrison has selected five classical selections for the program, beginning with the familiar, spirited "Marche Militaire" by Schubert. Liadow's "Musical Snuff Box," a charmingly quaint and graceful composition, and the brilliant, spectacular "Bacchanale" from Saint-Saen's "Samson and Delilah" are two contrasting numbers which bring the half hour to a close.

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

8 to 8:30 p.m.—"Roads to Romance"

As the curtain rises tonight, Jack and Ethyl will be in Bakersfield to dramatize the history of oil in California. The discovery of oil in Southern California and its use first by the padres provides a colorful episode which is followed by a less successful experiment with oil as a fuel for steamers. This occurred at Mare Island, in upper San Francisco Bay. A short history of the discovery and development of oil in Kern County by the Associated Oil Company also will be included in the half hour's broadcast.

Instrumental music will be provided by an orchestra under Joseph Hornik's direction.

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

8:30 to 9 p.m.—The Hill Billy Boys

Songs that had their origin in remote sections of the United States will be interpreted by the Hill Billy Boys in their characteristic manner. The Hill Billy Boys, who include Charles Marshall, Johnny O'Brien and Johnny Toffoli, will be heard through KGO and KHQ.

9 to 9:30 p.m.—Parisian Quintet, KGO.

9:30 to 10 p.m.—Miniature Biographies, KGO.

10 to 11 p.m.—Cotton Blossom Minstrels

Fast and funny "wise cracks" by the Cotton Blossom Minstrels will be dispensed during their program tonight.

Surrounding the jokes will be a musical program provided by this troupe of entertainers. 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, broadcast through KHQ, KOMO and KPO.

11 to 12 midnight—Laughner-Harris Hotel St. Francis Dance Orchestra, KGO.

535.4 Meters

560 Kcys.

KTAB

Channel 56

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. Forrester

9:30 to 10:30 a.m.—Recordings

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 2:30 p.m.—Recordings

2:30 to 3:30 p.m.—Organ recital with Alice

Blue; Mae Thompson, soprano

3:30 to 4 p.m.—Recordings

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 12 midnight—"Cocoanuts" with "BB" and

Pickwickians Dance Orchestra; Scharlin,

Tobin

12 to 1 a.m.—Slumber Chasers

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 Meyerink's Mandarin Band; Gypsy and Marta, soloists
12 to 1 a.m.—Dorado Club Silver Fizz dance music

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
10:30 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 2 p.m.—Radio Guild, NBC
2 to 2:15 p.m.—National Women's Party, NBC
2:30 to 2:45 p.m.—Stewart-Warner
2:45 to 3 p.m.—National Park Service talks, NBC
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

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.—Studio program
10 to 11 p.m.—Class. Adv. program

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

Radio Entertainments, San Francisco, Calif.

7 to 8 a.m.—Health exercises
8 to 9 a.m.—Favorite Melodies
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 Glen "Old Songs"
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 11:30 a.m.—Seller program
11:30 to 11:45 a.m.—Rita Murray, Investment Talk
11 to 12 noon—Organ recordings
12 to 1 p.m.—The Hooligans
1 to 1:30 p.m.—Cal King's Country Store
6 to 6:50 p.m.—Dinner hour program
6:50 to 7 p.m.—Blindcraft Talk
7 to 7:30 p.m.—Studio 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.—Read Givens, the Mystery Tenor
9:30 to 12 midnight—KFWI Midweek Party, conducted by Henry C. Blank
12 to 1 a.m.—Midnight classics

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

Oakland Educational Society, Oakland, Cal.

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.—Don Dale
3 to 3:30 p.m.—Half hour of harmony, presenting Vera Endriss, soprano; Sybil Lind, violinist
3:30 to 4 p.m.—Ted and Mac
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
7:30 to 8 p.m.—Doc Herrold
8 to 8:30 p.m.—Dr. Wade Forrester, presenting Harmony and Health

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.—Sunset concert
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.—Tommy Monroe and Bob Allen
8 to 8:30 p.m.—Pacific Artists' Trio; Nellie Wren, soprano
8:30 to 9 p.m.—George Taylor, Constance Piper, Little Miss Muffet, Mary Atkinson and Dud Williamson
9 to 9:50 p.m.—Pacific Artists' Trio; 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

254.1 Meters **KEX** **Channel 118**
1180 Kcys. **5000 Watts**

Western Broadcasting Co., Portland, Ore.

5 to 6 p.m.—Popular program
6 to 7:30 p.m.—Lyric Hour
9 to 9:15 p.m.—Studio program
9:15 to 9:30 p.m.—Melvin and Mercival
9:30 to 10 p.m.—Song recital
10 to 10:30 p.m.—Dance program
10:30 to 11:30 p.m.—Jack and Jill program

204 Meters **KGa** **Channel 147**
1470 Kcys. **5000 Watts**

Northwest Radio Serv. Co., Spokane, Wash.

5 p.m.—World Bookman
6 p.m.—Melody Aces; Carrie Andrew; Banjo Rhythm Kings
7 p.m.—Hometowners' orchestra
7:30 p.m.—Glenn Eaton, tenor, and Marjorie Robillard, piano
8 p.m.—Artists' Ensemble
9 p.m.—Los Gauchos Argentines
10 p.m.—Request program

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.—Recorded program
9:30 to 10 a.m.—Andy Anderson, pianist
10 to 10:30 a.m.—Records
10:30 to 11 a.m.—Cressy Ferra, jazz pianist
11 to 12 noon—Instrumental recordings
12 to 12:05 p.m.—Stock report
12:05 to 1:45 p.m.—Variety records
1:45 to 2 p.m.—Dr. Wiseman, health talk
2 to 3 p.m.—Concert music
3 to 3:30 p.m.—Art Fadden, pianist
3:30 to 4 p.m.—Organ music
4 to 4:45 p.m.—Recorded program

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.—Rembrandt Trio
1 to 2 p.m.—Radio Guild
2 to 2:15 p.m.—National Women's Party
2:45 to 3 p.m.—National Park Service Talks
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 Three Boys
5:30 to 5:45 p.m.—News Service
5:45 to 6 p.m.—Agricultural program
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

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

General Electric Co., Denver, Colorado

5 to 5:30 p.m.—Mobiloil Orchestra, NBC
5:30 to 6 p.m.—Extension Service
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 8:15 p.m.—Amos 'n' Andy, NBC
8:15 to 8:45 p.m.—Vassar Chocolates Girl
8:45 to 9 p.m.—Billiken Shoemakers
9 to 10 p.m.—Concert orchestra and Madame Blanche Da Costa, soprano
10 to 11 p.m.—Cotton Blossom Minstrels, NBC

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

Warner Brothers, Hollywood, California

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 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.—Julius K. Johnston, organist
8 to 9 p.m.—Ray Martinez and his concert orchestra; George Gramlich, tenor; Ina Mitchell Butler, soprano
9 to 10 p.m.—Ann Grey and Buster Dees, popular songs; Don Warner's dance orchestra
10 to 11 p.m.—George Olson's orchestra
11 to 12 midnight—Jimmie Kerr's orchestra

309.1 Meters **KJR** **Channel 97**
970 Kcys. **5000 Watts**

Northwest Radio Service Co., Seattle, Wash.

5:30 p.m.—Banking, talk
6 p.m.—Elmore Vincent, tenor; Marjorie Robillard, piano
6:15 p.m.—Stonewall Jackson, guitar
6:30 p.m.—Hometowners' orchestra
7:30 p.m.—Glenn Eaton, tenor; Marjorie Robillard, piano
8 p.m.—Damski's Neapolitans
9 p.m.—Los Gauchos Argentines
10 p.m.—Concert Ensemble and soloists
11 p.m.—Cole McElroy Spanish Dance Band

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—“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 Fifield 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 Cocoanut Grove Orchestra
- 12 to 1 a.m.—Dorado Club Silver Fizz dance hour

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
- 2:45 to 3 p.m.—National Park Service talks, 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.—Dutch Dough Boys
- 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
- 12 to 1 a.m.—Just Another Hour

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.—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 and Greenwood Mitchell
- 1 p.m.—Radio Guild, NBC
- 2 p.m.—National Women’s Party, NBC
- 2:15 p.m.—Orchestra; VeOna Socolofsky and G.
- 2:45 p.m.—National Park Service talks, NBC
- 3 p.m.—Cabin Door, NBC
- 4 p.m.—Mining stock quotations
- 4:15 p.m.—Fred Lynch and Agnes Skartvedt
- 4:30 p.m.—The Westinghouse Salute, NBC
- 5 p.m.—Stock, bond and grain quotations
- 5:15 p.m.—Mixed vocal quartet
- 5:30 p.m.—Artistic Ensemble
- 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 and Weldon Shoe Company program
- 8:45 p.m.—Orchestra; VeOna Socolofsky, soprano
- 9 p.m.—Radioette
- 9:30 p.m.—Veedol Vodvil
- 10 p.m.—Fisher’s Blend Hour
- 11 p.m.—News flashes
- 11:15 p.m.—Musical Musketeers NBC
- 12 midnight—Theater organ recital

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

- 7 to 7:30 a.m.—Physical culture period
- 7:40 to 8 a.m.—Recordings
- 8 to 9 a.m.—“Cheerio” by Baron Keyes
- 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.—Optimist 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 5:30 p.m.—Columbia Symphonic Orchestra, CBS
- 5:30 to 6 p.m.—The Story Man
- 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

NEW RADIO DEVICES AID FLYING SAFETY

STRAY WAVES FROM HERE AND THERE

IN an effort to prevent air tragedies as far as possible and make flying as safe as modern scientific developments can insure, the aeronautics branch of the Department of Commerce has announced the establishment of a new national network of aviation radio stations which, when completed, will cover every mile on every established air route in the United States.

Between these stations weather, meteorological and general "air dispatching" information will be hourly exchanged under a system which will enable the pilot of every aircraft to know exactly what conditions confront him for every mile of his skyway journey. The stations will be in charge of expert operators and under direct control of the government.

Linked with the weather reports, which will keep aviators advised of conditions along their routes, will be a network of radiobeacon transmissions which will assure adherence to their line of flight. The most complete weather report possible, it is pointed out is of little aid in preventing deviations from the course which, though extremely slight, might result in an aviator entirely missing his terminal field. Proper use of the radiobeacon, however, makes straight flying almost automatic, and by its use pilots have flown for hundreds of miles under such adverse conditions that at no time could they see the ground below them.

The Government is not yet committed to either the visual or aural type of radiobeacon, both of which have their adherents, but is using both with a view to adopting one system or the other after sufficient experience has been gained to show whether best results are achieved with signals which are heard or those which are seen.

During the past summer twenty radio broadcasting stations have been placed in operation, making a total of 24 stations broadcasting to pilots in flight every half hour. In addition, fifteen stations are under construction which will cover the major portion of the civil airways established by the Federal Government. An exchange of terminal weather information between these stations is made by radio telegraph. This, perhaps, is the most valuable weather information that can be reported to the pilot, as it advises him whether or not a safe landing can be made at his terminal field. Weather information from alternate landing fields is broadcast on the even hour in the event the

China, watching with canny eye the British management of governmental bureaus, has decided to imitate at least one of them. A new Chinese administrative bureau has been created, to be known as the National Wireless Administration, operating under the ministry of communications, which will centralize all broadcast operations within the country. The Chinese are planning extensive broadcast developments, with American-made apparatus.

* * *

Historic Mother India is becoming modern. Two short-wave wireless stations are to be built at Calcutta and Rangoon to replace the telegraph lines which annually break down and become useless because of floods, storms and other land troubles. A similar situation exists in and around Burma and short-wave equipment is being prepared for use here. Beam transmission with automatic sending and receiving apparatus is to be used.

* * *

Not to be outdone by the League of Nations which is preparing to start short-wave broadcasts at Geneva, the Swiss Government has voted the sum of 1,700,000 francs for the reorganization of broadcasting which, in Switzerland, has been a negligible quantity. A 45-kilowatt (45,000-watt) station is to be built in French-Switzerland and a second and smaller station at some other point. A number of 500-watt relay stations will be located through the country at intervals for re-broadcasting purposes, making it possible for Swiss in high mountain areas and isolated districts to receive the broadcasts. Switzerland, according to radio engineers, is one of the most difficult countries in the world in which to operate a radio station successfully.

terminal field is closed in by fog or thick weather, thus advising the pilot where he may land if conditions at his destination are impossible.

Weather information is collected along the civil airways by teletype, telephone or telegraph from points approximately 60 miles apart. Thirty minutes after the hour this information of conditions along the route is broadcast from the radio stations within the several zones, furnishing weather information covering areas 100 miles or more in width on both sides of the airways.

THURSDAY Programs

NBC

National Broadcasting Company

9:45 to 10 a.m.—Betty Crocker Gold Medal Home Service Talks
Broadcast through KGO, KHQ, KOMO, KGW and KFI.

10 to 11 a.m.—Woman's Magazine of the Air
Thanksgiving dinner will be served with "Little Benny" as the star consumer. The Thanksgiving party will be featured during the Rubyettes period with Ann Holden presiding. Earlier in the broadcast Miss Holden will discuss "California Catsup for Cold Cuts" and Sara Treat will be introduced afterward to offer another episode in the "Romance of Margery."

Don Amaizo's violin solos and selections by Gwynfi Jones, tenor, and John and Ned are additional drawing cards. The Magazine Melodists will provide the instrumental music for the program.

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

11 to 11:45 a.m.—Standard School Broadcasts
School children and other listeners will be told of the lives and works of Haydn and Beethoven, two of the world's greatest composers. The lesson theme for both elementary and advanced music appreciation lectures will be the same, but the subjects will be treated differently in the two courses. Haydn was an Austrian, born in 1732. Beethoven's birthplace was Bonn, in western Prussia. He was 38 years younger than Haydn, who became his teacher in 1792. It was upon Haydn's definition of the symphony and the sonata and his practice in handling instruments in ensemble that Beethoven's more significant works were based.

Included in the musical illustrations to be played by the Arion Trio for the lessons are the Andante Movement from Haydn's "Surprise Symphony" and other compositions chosen from the program for tonight's Standard Symphony Hour, to be presented by the Los Angeles Philharmonic Orchestra under Artur Rodzinski.

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

2:45 to 3 p.m.—National Park Service Talks
Another National Park Service talk is to be given by one of the men attending the National Park Service Conference now in session at Berkeley, Calif.

Broadcast through KGO, KHQ, KOMO and KGW.

3 to 4 p.m.—House of Myths

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

Playing before a microphone in New York City, Rudy Vallee and his Connecticut Yankees will be heard. With Vallee will be Mar-

cella Shields, actress, and Graham McNamee in the role of master of ceremonies.

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

6 to 6:30 p.m.—Seiberling Singers

With Frank Black's male quartet arrangement of Liszt's immortal "Liebestraum" as their initial selection, the Seiberling Singers will present a half hour of melody. James Melton, tenor, and Elliott Shaw, baritone, will be heard in a duet from Bizet's opera, "The Pearl Fishers." The Singing Violins will offer a special transcription of Yradier's "La Paloma." To close the program, the quartet will sing Blacks arrangement of the new popular number, "Great Day," from Vincent Youman's musical comedy of the same name.

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

7 to 7:30 p.m.—Victor program

The second of a new series of transcontinental Victor programs will be broadcast through KGO, KHQ, KOMO, KGW and KFI.

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

Three compositions by American musicians will be played in honor of Thanksgiving Day by Artur Rodzinski and the Los Angeles Philharmonic Orchestra. Two of these selections, which bring the program to a close, are by Edward MacDowell, greatest American composer. They are his "Poeme Erotique" and "Scottish Poem," the latter a tone painting depicting the wild swirl of waters on a rock-bound coast.

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

8:30 to 9 p.m.—The Cosmopolitans

Max Dolin and his Cosmopolitans will play a half hour of dance music tonight through KGO, KHQ, KFI, KSL and KOA.

9 to 9:30 p.m.—Memory Lane

Thanksgiving Day will be celebrated fittingly by the Smithers family when "Memory Lane" is broadcast tonight. One of those old-time dinners such as only grandma cooked will be enjoyed by the Smithers family at Grandma Jenkins' in Shiloh, whither they will journey from Goshen Center for Thanksgiving Day. Starring Billy Page, as Billy Smithers, the comedylogue introduces a coterie of radio headlines every week.

Broadcast through KGO and KGW.

9:30 to 10 p.m.—Piano Pictures, KGO.

10 to 10:30 p.m.—Plantation Echoes

Judge Chandler will open the doors of his southern home to his radio guests once more. Among those who will appear in various roles to provide entertainment for the Judge's friends of the air will be Ethel Wakefield, soprano; Clarence Hayes, the "Voice of the South;" Johnny O'Brien, harmonica player; Sylvano Dale, tap dancer, and the Southern Harmony Four.

Broadcast through KGO.

10:30 to 11 p.m.—NBC Green Room

Elmer Crowhurst, organist, and two vocalists will be heard during this recital through KGO and KFI.

11 to 12 midnight—Musical Musketeers

Dance tunes by the Musical Musketeers, directed by Walter Beban, will be broadcast tonight through KGO, 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.—Calvin Winter's salon orchestra and Janice Bridgman, contralto

THURSDAY Programs

379.5 Meters Channel 79
790 Kcys. KGO 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.—Novelty Five
 2:45 to 3 p.m.—National Park Service Talk
 3 to 4 p.m.—House of Myths
 4 to 4:45 p.m.—Edward J. Fitzpatrick and his Hotel St. Francis Salon Orchestra, S. F.
 4:45 to 5 p.m.—News Service
 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

254.1 Meters Channel 118
1180 Kcys. KEX 5000 Watts

Western Broadcasting Co., Portland, Ore.
 5 to 6 p.m.—Popular program
 6 to 7 p.m.—Lyric Hour
 8 to 8:30 p.m.—Classical program
 8:30 to 8:45 p.m.—Troubles of Thomas
 8:45 to 9 p.m.—Studio program
 9 to 10 p.m.—Concert
 10 to 10:30 p.m.—Dance program
 10:30 to 11:30 p.m.—Jack and Jill program; dance band

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
 9:30 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.—Itchimatoto and Scratchimototo
 8 to 8:30 p.m.—Rebroadcast of KFWB
 8:30 to 9 p.m.—Feature program
 9 to 9:30 p.m.—Courtesy program
 9:30 to 10 p.m.—KNX feature artists
 10 to 12 midnight—Hotel Ambassador Cocoanut 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.—"Simpy Pitts"; N. Y. Exchange
 7:30 to 8 a.m.—"Simpy Pitts"
 8 to 8:30 a.m.—Bill Wright, "The Pathfinder"
 8:30 to 9 a.m.—Recordings
 9 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.,
 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.—Edna Fischer, pianist
 6 to 6:30 p.m.—Organ recital, Wesley Tourtalotte
 6:30 to 7:30 p.m.—Walter Krausgrill El Patio Orchestra
 7 to 7:30 p.m.—Chrysler Silver Wings, under direction of Mahlon Merrick, featuring Abe Bloom and Hazel Warner
 7:30 to 8 p.m.—National Forum from Washington, 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; Jean Wakefield, Abe Bloom, Paul Carson, soloists
 11:10 to 12:10 p.m.—Hotel Mark Hopkins orchestra
 12:10 to 1 a.m.—Dorado Club Silver Fizz dance music

325.9 Meters Channel 92
920 Kcys. KOMO 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.—Artistic Ensemble
 9:45 a.m.—Betty Crocker's Home Talk, NBC
 10 a.m.—Woman's Magazine of the Air, NBC
 11 a.m.—Standard School Broadcast, NBC
 11:45 a.m.—Barbara Gould Auditone
 12 noon—Agriculture farm talk
 12:15 p.m.—What to Prepare for Dinner
 12:30 p.m.—Orchestra; VeOna Socolofsky and Fred Lynch
 2 p.m.—Orchestra; Dorothea Wei and Greenwood Mitchell
 2:45 p.m.—National Park Talk, NBC
 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.—Fleischmann Sunshine Hour, NBC
 6 p.m.—Selberling Singers, NBC
 6:30 p.m.—Artistic Ensemble; G. Donald Gray
 7 p.m.—Victor program, NBC
 7:30 p.m.—Standard Symphony Hour, NBC
 8:30 p.m.—Marmola So-A-Tone broadcast
 8:45 p.m.—News flashes
 9 p.m.—Crescent Old Time Band
 10 p.m.—Associated Oil Football Hour
 11 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
 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 12:30 p.m.—Noon luncheon concert
 12:30 to 1 p.m.—Gloom Chasers
 1 to 1:30 p.m.—Cal King's Country Store
 6 to 7 p.m.—Linner hour program
 7 to 7:30 p.m.—Studio program
 11 to 12 midnight—Lance orchestra
 12 to 1 a.m.—Midnight classics

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 11:30 a.m.—Studio program
 11:30 to 12 noon—United Grocers
 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.—Corothy Wilson, blues singer
 3 to 3:30 p.m.—Vera Endriss, soprano; Sybil Lind, violinist
 3:30 to 4 p.m.—The Blake Stock Company
 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.—Toutjian's Variety Hour

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.—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 Rus
 2 to 2:45 p.m.—Washington Home Service
 2:45 to 3 p.m.—National Park talk, NBC
 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.—Seiberling Singers, NBC
 6:30 to 7 p.m.—Allis 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
 12 to 1 a.m.—Just Another Hour

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.—Rhinard and Scott
 8 to 8:30 p.m.—Lorelei Trio
 8:30 to 9 p.m.—Edgar Russell, the Melody Man
 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

468.5 Meters **KFI** **Channel 64**
640 Kcys. **5000 Watts**
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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 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.—U. C. L. A.—Montana football game, L. A. Coliseum
 6 p.m.—Seiberling Singers, NBC
 6:30 p.m.—Virginia Flohri and Purcell Mayer's string quartet
 7 p.m.—Victor program, NBC
 7:30 p.m.—S and Song Symphony, NBC
 8:30 p.m.—Song recital, Virginia Flohri
 9 p.m.—North American Bldg. & Loan Assn
 9:30 p.m.—Packard Concert Orchestra
 10:30 p.m.—Green Room, NBC
 11 p.m.—KFI news bureau

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.—KFWB 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 7:45 p.m.—Hollywood String Quintet
 7:45 to 8 p.m.—Sports talk
 8 to 8:30 p.m.—Jean Cowan's Rhythm Boys
 8:30 to 9 p.m.—Program by Bert Butterworth
 9 to 10 p.m.—Concert orchestra; Edward Jar-don, tenor
 10 to 10:30 p.m.—George Olsen's orchestra
 10:30 to 11:30 p.m.—Jimmie Kerr's orchestra

THURSDAY Programs

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.—"Cheerio," conducted by Baron Keyes
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.—Recordings
11:45 to 12 noon—Recordings
12 to 12:30 p.m.—Biltmore Hotel concert orchestra
12 to 12:30 p.m.—Biltmore concert orchestra
12:45 to 1:30 p.m.—Chamber of Com. luncheon
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.—Auto Club of So. Calif.
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.—The Story Man
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 9 p.m.—Continuity program
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 orchestra
12 to 1 a.m.—Organ recital

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"
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 2:45 p.m.—Musical entertainment
2:45 to 3 p.m.—National Park Service talks, NBC
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

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, 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.—Dobbie'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 5 p.m.—Football broadcast, University of Oregon vs. St. Mary's
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.—Rose Reida Cailleau, soprano, and Roy Herold, flutist
9:30 to 10 p.m.—Nathan Abas, violin recital
10 to 11 p.m.—Theodore Strong, organist, with Elmer Herling, baritone
11 to 12 midnight—Musical Musketeers, NBC

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

General Electric Co., Denver, Colorado
4 to 4:30 p.m.—Federated Hymn Sing, NBC
4:30 p.m.—Stocks, markets, livestock, produce and news bulletins
4:55 p.m.—Road reports
5 to 6 p.m.—Fleischmann Sunshine Hour, NBC
6 to 6:30 p.m.—Seiberling Singers, NBC
6:30 to 7 p.m.—Maxwell House Coffee Hour, NBC
7 to 8 p.m.—Victor program, NBC
8 to 8:15 p.m.—Amos 'n' Andy, NBC
8:15 to 8:30 p.m.—Ralph Hansell, xylophonist
8:30 to 9 p.m.—The Cosmopolitans, NBC
9 to 9:30 p.m.—The Arcadians' mixed quartet

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

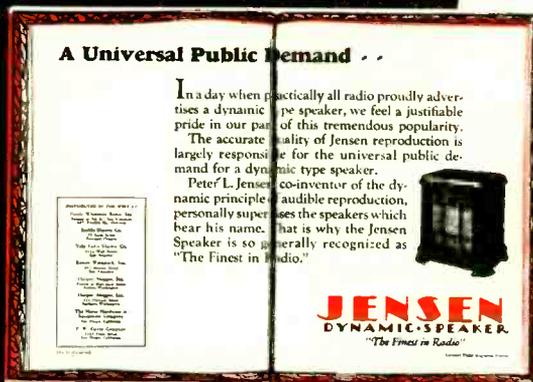
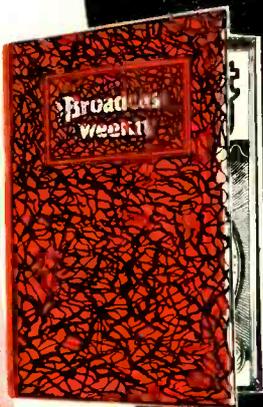
Radio Service Corp., Salt Lake City, Utah
5 p.m.—Fleischmann "Sunshine" program, NBC
6 p.m.—Male quartet and assisting artists
7 p.m.—"The Old Counselor"
7:30 p.m.—Victor Radio program, NBC
8 p.m.—"Amos 'n' Andy," NBC
8:15 p.m.—Studio program
8:30 p.m.—The Cosmopolitans, NBC
9 p.m.—Musical program
9:30 p.m.—"Blue Blaze Miners"
10 p.m.—Milt Tagert's Odeon Orchestra

309.1 Meters **KJR** **Channel 97**
970 Kcys. **5000 Watts**

Northwest Radio Service Co., Seattle, Wash.
5 p.m.—Dinner concert
6 p.m.—Glenn Eaton, tenor; Marjorie Robillard, piano
6:15 p.m.—Collegiate Candy Boys
6:30 p.m.—Concert Ensemble; Agatha Turley, Sidney Dixon, Henri Damski
7:30 p.m.—Pair of Jacks
8 p.m.—Bobby Roberts, blues; Glenn Eaton, tenor
9 p.m.—Hour on Broadway
10 p.m.—Orpheus Quintet
11 p.m.—Cole McElroy Spanish Dance Band

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FRIDAY Programs

NBC

National Broadcasting Company

10 to 10:15 a.m.—Du Barry Radio Program

Doris Hale will talk especially to feminine auditors. Her suggestions for the cultivation of beauty will be released through KGO, KHQ, KOMO, KGW, KPO, KFI and KSL.

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

Bennie Walker, whose "keep that old smile smiling" has become a by-word among the NBC system station auditors, is scheduled to sing a trio of tenor solos during today's broadcast.

William Powers, colored tenor, is the other artist to be heard during the Kraft, M. J. B. and Alpine features of the WMA. Ann Holden's talks will be "After Thanksgiving Velveeta" and "Milk Drinks." The M. J. B. chef will offer suggestions for "Turkey Leftovers."

Joseph Hornik and his Magazine Melodists present the instrumental music and accompany Bennie and Powers.

Broadcast through KGO, KGW, KPO and KFI full hour, KHQ and KOMO from 10:30 to 11:10 a.m.

1 to 2 p.m.—Pacific Feature Hour

Picturesque compositions by contemporaries and colorful selections by their predecessors will characterize the Pacific Feature Hour to be broadcast through KGO (KOMO from 1:15 to 2 p.m.).

3:15 to 3:30 p.m.—National Park Service Talks
Broadcast through KGO, KHQ and KGW.

3:30 to 4 p.m.—What's Happening in the World
John D. Barry, who is well known as a newspaper columnist, lecturer, dramatist and author, will be heard through KGO, KOMO and KGW.

4 to 5 p.m.—Dickens' "Christmas Carol"

A radio adaptation of Charles Dickens' "Christmas Carol," a story known the world over, will be presented through KGO and KPO.

5 to 6 p.m.—Cities Service Concert

"The Sweetest Story Ever Told" is the sixteenth and concluding number on the Cities Service Concert program. Included in this program, which will be given under Rosario Bourdon's direction, are "Dear Old Girl" and "Lamp in the West," featuring the Cavaliers; an interpretation of Kreislers "Liebesfreud" by a xylophone soloist who will also play Mozarts "Turkish Patrol," and a half dozen orchestral selections.

Broadcast through KGO, KHQ, KOMO and KGW.

6 to 6:30 p.m.—Interwoven Pair

Billy Jones and Ernie Hare, specialists in the art of laugh-making, will serve listeners with another half hour of fun.

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

6:30 to 7 p.m.—Philco's Theater Memories

The aerial curtain will be rung down on the final act of "Mlle. Modiste" tonight. Jessica Dragonette, soprano, and Colin O'More, tenor, will enact the romantic leads in this Victor Herbert operetta.

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

7 to 7:30 p.m.—Armstrong Quakers

A generous supply of tuneful melodies from Broadway musical comedy successes will be played and sung by the Armstrong Quakers.

This program will call upon the services of Lois Bennett, soprano; Mary Hopple, contralto; a male quartet, and an orchestral unit headed by Victor Arden.

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

7:30 to 8 p.m.—Armour program

There will be a 30-piece orchestra headed by Joseph Koestner, a chorus of 18 singers, Fred Waldner, tenor, and a male trio.

This program will consist principally of semi-classical music and will be released by KGO, KHQ, KOMO, KGW and KFI.

8 to 9 p.m.—Details for this hour not available.
9 to 9:30 p.m.—Borden program

Selections from the popular production, "The Desert Song," will be among the highlights of tonight's Borden program. The Borden Quartet will interpret these numbers along with "A Little Close Harmony" and several other selections. The Borden Blue and White Band opens the half-hour broadcast with "I Think You'll Like It."

Joseph Hornik will be in the conductor's stand.

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, who form the Union Service Station Four, together with Uncle Hiram and Barnacle Bill, will offer 30 minutes of mirth and melody.

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

10 to 10:30 p.m.—"In the Parlor"

Welcoming her friends once more in the parlor of her home, Mrs. Sylverstre Updike will be the hostess at another gathering tonight. Comic dialogue and vocal selections will alternate in this half hour, the continuity for which is written by H. C. Connette. In the cast are included Bobbe Deane, Ben McLaughlin, Harry Stanton, Charles Marshall, Gail Taylor and Mary Groom.

Broadcast through KGO, KHQ and KOA.

10:30 to 11 p.m.—The Nomads

Captivated by the charms of foreign lands, the Nomads will wander in fancy to far distant places when they come on the air. Music to fit the scenes that pass before their eyes will be played by the Nomads, in the ranks of which may be found a string orchestra headed by Charles Hart, conductor; Lucile Kirtley, soprano, and Cesare Linden, violinist.

Broadcast through KGO, KHQ and KOA.

11 to 12 mid-night—Musical Musketeers

Walter Behan 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.

296.6 Meters

KQW

Channel 101

1010 Kcys.

500 Watts

First Baptist Church, San Jose, Calif.

12 to 12:30 p.m.—Carl's Hawaiians

1 to 1:30 p.m.—Hart's Happy Half Hour

1:30 to 2:30 p.m.—The Friendly Hour

2:30 to 3:30 p.m.—Musical program

5 to 5:30 p.m.—Children's program

5:30 to 6 p.m.—Musical programs

6 to 6:10 p.m.—U. S. D. A. Farm Flashes

6:10 to 6:30 p.m.—Crop Digest

6:30 to 6:45 p.m.—Market, weather reports

6:45 to 6:55 p.m.—Farm reporter

6:55 to 7 p.m.—Farmers' Exchange

7 to 7:15 p.m.—Farm Bureau radio news

7:15 to 7:25 p.m.—San Jose Better Business Bureau

8 to 9 p.m.—KGW Minstrels

9 to 9:30 p.m.—Leda Gregory Jackson program

FRIDAY 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 and 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.—Magazine of the Air, NBC
 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 2:30 p.m.—Helpful Hints for Housewives
 2:30 to 3 p.m.—Aeolian Trio
 4 to 5 p.m.—Dickens' Christmas Carol, NBC
 5 to 5:10 p.m.—Stock market quotations
 5:10 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.—Program to be announced
 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

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

12 to 1 p.m.—Hollywood Girls
 1 to 1:30 p.m.—Masonic luncheon
 1:30 to 2 p.m.—Originality Girls
 2 to 2:15 p.m.—Health Talk, Dr. Harbottle
 2:15 to 2:30 p.m.—Records
 2:30 to 3 p.m.—Long Beach Municipal Band
 3 to 3:30 p.m.—Organ recital
 3:30 to 4 p.m.—Long Beach Municipal Band
 4 to 4:20 p.m.—News report
 4:20 to 5 p.m.—Crystal Roof Orchestra
 5 to 5:30 p.m.—Organ recital
 5:30 to 6 p.m.—Hollywood Girls
 6 to 6:05 p.m.—Lost and Found Dept.
 6:05 to 7:30 p.m.—Studio frolic
 7:30 to 8 p.m.—Buster Wilson's orchestra
 8 to 9 p.m.—Eva, Boris, Hal, Helene and Cecil
 9 to 9:45 p.m.—Cinderella Roof Ballroom
 9:45 to 11 p.m.—El Patio Ballroom Orchestra
 11 to 11:30 p.m.—Majestic Ballroom Orchestra
 11:30 to 12 midnight—Silver Spray Ballroom Orchestra
 12 to 1 a.m.—Recordings

265.3 Meters Channel 113
1130 Kcys. KSL 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.—Phileo 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.—Jerry's program
 9:45 p.m.—Hawaiian Duo
 10 p.m.—Radio-Keith-Orpheum frolic

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.—Alarm Clock, DLBS
 9 to 9:15 a.m.—Recordings
 9:15 to 9:30 a.m.—Columbia Salon Orchestra, 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 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's Air Castle, DLBS
 5:30 to 6 p.m.—Hank Howe's music, DLBS
 6 to 6:15 p.m.—Al Santora, sports
 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 Flzz 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.—"Cheerio," conducted by Baron Keyes
 9 to 9:15 a.m.—Marjorie Fisher, pianist
 9:15 to 10 a.m.—Recordings
 10 to 10:30 a.m.—A. White, "At Our House"
 10:30 to 11 a.m.—The Times Forum
 11 to 11:45 a.m.—Patterns in Print, CBS
 11:45 to 12 noon—Recordings
 12 to 12:30 p.m.—Biltmore concert orchestra
 12:30 to 12:45 p.m.—World-wide news
 12:45 to 1:30 p.m.—Organ recital, Leigh Harline
 1:30 to 2 p.m.—Charlie Wellman
 2 to 3 p.m.—Recordings
 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.—Dance band
 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

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 p.m.—Recordings
 4 to 4:30 p.m.—Santa Claus, Emporium Air Castle
 4:30 to 5 p.m.—Recordings
 5 to 5:30 p.m.—Drama of Toyland
 5:30 to 6 p.m.—Sunset concert
 6 to 6:30 p.m.—Sidley Company program
 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.—Tommy Monroe and Bob Allen
 8 to 8:30 p.m.—Pacific Artists' Trio; Nellie Wren soloist
 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; George Nickson, tenor
 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
 12 to 1 a.m.—All request program

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 3:15 p.m.—Theatrical review
 3:15 to 3:30 p.m.—National Park talk, NBC
 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.—Philo 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.—Program to be announced
 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.—Dutch Dough Boys
 10:30 to 11 p.m.—The Nomads, NBC
 11 to 12 midnight—Musical Musketeers, NBC
 12 to 1 a.m.—Just Another Hour

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.—Recordings
 2:30 to 3 p.m.—"Restful Hour"
 3 to 3:30 p.m.—Alice Blue, organist
 3:30 to 4 p.m.—Recordings
 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.—Mystery play
 8:30 to 10 p.m.—Ice hockey game
 10 to 11 p.m.—Melody Masters; Mae Thompson, soprano
 11 to 12 midnight—Dance orchestra
 12 to 1 a.m.—Slumber Chasers

204 Meters **KGA** **Channel 147**
1470 Kcys. **5000 Watts**
Northwest Radio Serv. Co., Spokane, Wash.

4:30 p.m.—Uncle Andy
 5 p.m.—World Bookman and music
 6 p.m.—Melody Aces, Carrie Andrews; banjo duet
 7 p.m.—Artists' Ensemble
 8 p.m.—Damski's Neapolitans
 9 p.m.—Piano Twins
 10 p.m.—Request program

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.—A program typical of some state in the Union
 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 Cocomat Grove Orchestra
 12 to 1 a.m.—Dorado Club Silver Fizz dance hour

FRIDAY Programs

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
10:15 a.m.—Rhena Marshall, Dorothea Wei and Greenwood Mitchell
10:30 a.m.—Woman's Magazine of the Air, NBC
11:10 a.m.—Orchestra with Agnes Skartved, contralto
11:45 a.m.—Mary Blake's recipe talk
12 noon—Northwest Dairymen and Poultrymen
12:15 p.m.—What to Prepare for Dinner
12:30 p.m.—Orchestra; Fred Lynch and Dorothea Wei
1 p.m.—Pacific Feature Hour, NBC
2 p.m.—Concert orchestra with Perdin Korsmo, tenor, and G. Donald Gray, baritone
3:30 p.m.—What's Happening in the World
4 p.m.—Resume of evening's programs; mining stock quotations
4:15 p.m.—Kiddies' program
4:45 p.m.—Stock, bond and grain quotations
5 p.m.—Cities Service Co., NBC
6 p.m.—Interwoven Pair, NBC
6:30 p.m.—Philco's Theater Memories, NBC
7 p.m.—Armstrong Quakers, NBC
7:30 p.m.—The Armour Hour, NBC
8 to 9 p.m.—Program to be announced
9 p.m.—Borden Milk program, NBC
9:30 p.m.—Union Service Station Four, NBC
10 p.m.—Brunswick Brevities
10:30 p.m.—Orchestra; Fred Lynch and Dorothea Wei
11:30 p.m.—News flashes
11:45 p.m.—Musical Musketeers, NBC
12 midnight—Theater organ recital

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 3:15 p.m.—Studio records
3:15 to 3:30 p.m.—National Park Service talks, NBC
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

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 11:30 a.m.—Seller program
11:30 to 12 noon—Organ recordings
12 to 1 p.m.—The Hooligans
1 to 1:30 p.m.—Cal King's Country Store
6 to 7 p.m.—Dinner Hour program
7 to 7:30 p.m.—Studio 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 10 p.m.—Jose Rameriz, Spanish tenor
10 to 11 p.m.—Novelty program
11 to 12 midnight—Dance hour
12 to 1 a.m.—Midnight classics

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

Oakland Educational Society, Oakland, Calif.
1:30 to 2 p.m.—Richmond Quality Market
2:30 to 3 p.m.—Don Dale
3 to 3:30 p.m.—Vera Endriss soprano; Sybil Lind, violinist
3:30 to 4 p.m.—Ted and Mac
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"

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

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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"
4 p.m.—E. H. Rust, nurseryman
4:30 p.m.—Big Brother
5 p.m.—Program by Wedgewood Nowell
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 to 9 p.m.—Program to be announced
9 p.m.—Borden Milk program, NBC
9:30 p.m.—"Union Service Station Four," NBC
10 p.m.—Concert orchestra
11 p.m.—KFI news bureau

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

Canadian National Rys., Vancouver, B. C.
8:30 p.m.—Pianologue by Winnifred Renworth
9 p.m.—The McLeod Sisters in a violin and song recital
9:30 p.m.—Violin recital by Mr. Holroyd Paull
10 p.m.—The CNRV Instrumental Quintette and Janice Bridgman, mezzo-contralto
11 p.m.—Studio program

Schedules of Distant Stations

All Times Shown Are P. M. Pacific Standard Time

Call—Kc—City	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
CNRR 960 Regina, Can.....			7-8		7-8		
CNRS 910 Saskatoon, Can...			7-8		7-8		
CNRE 580 Edmonton, Can...			7-8		7-8		
CNRC 690 Calgary, Can.....			7-8		7-8		
CNRV 1030 Vancouver.....		10-11	9-11:30	10-11	10-11	8:30-11:30	
KDKA 980 Pittsburg.....	6-9	6-10	6-8:30	6-10	6-10	6-9	6-8:30
KDYL 1290 Salt Lake.....	5-11	5-11	5-11	5-11	5-11	5-11	5-1a.m.
KFAB 770 Lincoln, Neb.....		8-9:30		8-9:30		8-9:30	8-9:30
KMOX 1090 St. Louis.....	6-10	6-10	6-10	6-10	6-10	6-10	6-10
KOIL 1260 Council Bluffs...	5-10	5-10	5-10	5-10	5-10	5-10	5-12
KRLD 1040 Dallas.....	9-10	9-10	9-10	8-9	8-9	8-9	7-10
KSTP 1460 St. Paul.....	6-10	6-10	6-10	6-11	6-10	6-10	6-11
KTBS 1450 Shreveport.....	6-9	6-9	6-9	6-9	6-9	6-9	6-9
KTHS 1040 Hot Springs.....	5-9	7-9	5-9	5-8 9-10	5-8 9-10	5-8 9-10	5-7
KVOO 1140 Tulsa, Okla.....	7-10	7-10	7-10	7-10	7-10	7-10	7-10
KWKH 850 Kennonwood.....	6-7	7-10	5-7	7-10	5-7	7-10	7-10
KYW 1020 Chicago.....	5-8	5-11	5-11	5-11	5-11	5-11	5-11
WBAP 800 Ft. Worth.....	8-10	7-10	5-7	7-10	5-7	7-10	5-7
WBBM 770 Glenview, Ill.....	5-7:30 10-11:30	6-8 10-11	6-11	6-8 10-11	6-11	6-8 10-11	6-11
WCCO 810 Minneapolis.....	5-10	5-10	5-10	5-10	5-10	5-10	5-11
WDAF 610 Kansas City.....	7-8	5-8 9-11	5-11	5-8 10-11	5-11	5-7 9-11	5-11
WEAF 660 New York City.....	6-9	6-9	6-9	6-9	6-9	6-9	6-9
WEEL 590 Boston.....	6-8	6-8	6-8	6-8	6-8	6-8	6-8
WENR 870 Chicago.....	5-11	5-12	5-12	5-12	5-12	5-12	5-12
WFAA 800 Dallas.....	5-8	5-7	7-10	5-7	7-10	5-7	7-10
WFLA-WSUN 900 Clearwtr		6-9	6-9	6-9	6-9	6-9	6-9
WGN 720 Chicago.....	5-10:30	5-11	5-11	5-10:30	5-11	5-11	5-12
WGY 790 Schenectady.....	6-7	8-9		5-7:30		5-7	
WHAM 1150 Rochester.....	5-8	5-9	5-9	5-9	5-9	5-9	5-9
WHAS 820 Louisville.....	6-10	6-10	6-10	6-10	6-10	6-10	6-10
WHK 1390-Cleveland.....	6-9	6-9	6-9	6-9	6-9	6-9	6-9
WHO 1000 Des Moines.....			6-9		6-9		6-9
WIP 610 Philadelphia.....	7-8	5-9		5-9		5-9	
WJR 750 Detroit.....	5-9	5-9	5-9	5-9	5-9	5-9	5-9
WJZ 760 Bound Brook, N.J.	5-8	5-8	5-8	5-8	5-8	5-8	5-8
WLW 700 Cincinnati.....	5-9	5-10	5-10	5-10	5-10	5-10	5-10
WMAQ 670 Chicago.....	6-10	5-12	5-12	5-12	5-12	5-12	5-12
WOAI 1190 San Antonio.....	6-7	6-10	6-8	6-10	6-9	6-8	6-8
WOC 1000 Davenport.....	6-9	6-9		6-9		6-9	
WOR 710 Kearny, N. J.....	5-7	6-9	6-9	6-9	6-9	6-9	6-9
WOW 590 Omaha, Neb.....	5-9	5-9	5-9	5-9	5-9	5-9	5-9
WPG 1100 Atlantic City.....	6-9	6-9	6-9	6-9	6-9	6-9	6-9
WRVA 1110 Richmond.....		6-9	6-9	6-9	6-9	6-9	6-9
WSB 740 Atlanta.....	6-8	6-10	6-10	6-10	6-10	6-10	6-10
WSM 650 Nashville.....	6-8	6-9	6-9	6-9	6-9	6-9	6-9
WTAM 1070 Cleveland.....	5-9	5-9	5-9	5-9	5-9	5-9	5-9
WWL 850 New Orleans.....	7-10	6-7	7-10	6-7	7-10	6-7	6-7

Subscribe to BROADCAST WEEKLY Now! Only \$3 a Year.

SATURDAY Programs

NBC

National Broadcasting Company

- 10 to 10:45 a.m.—National Farm and Home Hour
Designed especially for agriculturists throughout the country, the National Farm and Home Hour will be broadcast through KGO, KHQ, KOMO, KGW and KFI.
- 5 to 5:30 p.m.—Lyric Famous Challenges
Lyric Famous Challenges will present a half-hour dramatization of episodes in the life of a celebrated man during the coast-to-coast broadcast of this program through KGO, KHQ, KOMO, KGW and KFI.
- 6 to 7 p.m.—General Electric Hour
Walter Damrosch and Floyd Gibbons will collaborate in the presentation of the General Electric Hour. Damrosch's contribution to the program will be particularly interesting to music lovers. He will direct the General Electric Orchestra in interpretations of Massenet's "Neapolitan Scenes," Dvorak's "Carnival" Overture, a suite from "Sylvia" by Delibes, "Good Friday Spell" from Wagner's "Parsifal" and Grainger's "Molly on the Shore."
Floyd Gibbons will give another of his talks on "Adventures in Science."
Broadcast through KGO, KHQ, KOMO, KGW and KFI.
- 7 to 8 p.m.—Lucky Strike Hour
B. A. Rolfe's orchestra and vocal soloists will be heard interpreting the dance numbers programmed on this transcontinental presentation, which is offered to Pacific Coast listeners through NBC system stations KGO, KHQ, KOMO, KGW and KFI.
- 8 to 8:30 p.m.—Temple of the Air
With the "sign on" melody, "Temple Bells," preceding the first number, a 30-minute "Temple of the Air" program of popular music will be offered. In the cast of artists contributing to this program may be found a string ensemble, a male quartet, a piano duo and a vocal soloist.
- 8:30 to 9:00 p.m.—Pacific Serenaders, KGO
- 9:00 to 9:30 p.m.—"Lauderland Lyrics"
Barbara Blanchard, soprano, and Myron Niesley, tenor, soloists for this half-hour, will introduce themselves in the strains of the duet, "You're Perfect," from "Lady Fingers." The orchestra follows with "Happy" from George M. Cohan's "Billie." Another instrumental feature will be a special arrangement of Donaldson's "Out of the Dawn."
Vocal solos, another duet, and several orchestra numbers complete the program. KHQ, KOMO, KGW, and KFI.
- 9:30 to 10 p.m.—Western Artist Series Concert, KGO
- 10 to 11 p.m.—"Tales Never Told"
Four miniature dramas will be enacted before the microphone when "Tales Never Told" goes on the air tonight. Introduced by "theme songs" whose words suggest the plot of the sketches, the tales will be presented by a group of National Players. The continuities are from the pen of Harry De Lasaux.
- 11 to 12: p.m.—Musical Musketeers
Special arrangements of the latest syncopated melodies will be used by this ensemble of dance musicians. KGO, KHQ, KOMO, and KFI.
- 12 p.m. to 1 a.m.—Wilt Gunzendorfer's Hotel Dance Band, KGO

440.9 Meters
680 Kcys.

KPO

Channel 68
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 and Will Hancock
- 9:30 to 10 a.m.—Dobbsie's Daily Chat
- 11:45 to 12:05 a.m.—Announcements; Scripture; weather, and time
- 12:05 to 1 p.m.—Aeolian Trio
- 1 to 1:30 p.m.—Jerry Jermaine; stocks
- 1:30 to 2 p.m.—Ann Warner homemaking chats
- 4:30 to 4:40 p.m.—Stock market quotations
- 4:40 to 5 p.m.—Theodore Strong, organist
- 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 8:30 p.m.—Temple of the Air, NBC
- 8:30 to 9 p.m.—Packard program, KPO and KFI
- 9 to 10 p.m.—Studio Hour
- 10 to 11 p.m.—Jesse Stafford's Palace Hotel orchestra
- 11 to 12 midnight—Musical Musketeers, NBC

254.1 Meters
1180 Kcys.

KEX

Channel 118
5000 Watts

- Western Broadcasting Co., Portland, Ore.
- 5 to 5:30 p.m.—Popular program
- 5:30 to 6 p.m.—Children's Hour
- 6 to 6:30 p.m.—Lyric Hour
- 6:30 to 7:30 p.m.—Dinner concert
- 7:30 to 8 p.m.—Studio program
- 9 to 9:15 p.m.—Novelty program
- 9:15 to 9:30 p.m.—Melvin and Merciful
- 9:30 to 10 p.m.—Studio program
- 10 to 10:30 p.m.—Dance program
- 10:30 to 11:30 p.m.—Jack and Jill program, dance band

508.2 Meters
590 Kcys.

KHQ

Channel 59
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.—Lauderland 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
- 12 to 12:30 a.m.—Desert Happy Caravan
- 12:30 to 1:30 a.m.—Just Another Hour

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.—High school championship football
4 to 4:30 p.m.—Santa Claus from the Emporium
4:30 to 5 p.m.—Recordings
5 to 6 p.m.—Sunset concert
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 p.m.—Earl Le Claire Play Boys
8 to 8:30 p.m.—Pacific Artists' Trio; Dorothy Lewis, contralto
8:30 to 9 p.m.—Constance Piper, George Nickson, the Girl Friend, and Mary Atkinson
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

204 Meters **KGa** **Channel 147**
1470 Kcys. **5000 Watts**

Northwest Radio Serv. Co., Spokane, Wash.
4:30 p.m.—Uncle Andy
5 p.m.—World Bookman
6 p.m.—Melody Aces; Carrie Andrew
8 p.m.—Artists' Ensemble
9 p.m.—Musical program
9:30 p.m.—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.—Y. M. C. A. Health Exercises
9:15 a.m.—Organ recital
10 a.m.—National Farm and Home Hour, NBC
10:45 a.m.—Orchestra; Fred Lynch and Dorothea Wel
11:30 a.m.—What to Prepare for Dinner
11:45 a.m.—Mary Blake recipe talk
12 noon—Greenwood Mitchell and G. Donald Gray
12:15 p.m.—What to Prepare for Dinner
12:30 p.m.—Orchestra with Rhena Marshall and Perdin Korsmo
2 p.m.—U. of So. Cal.—Wash. State football
4:45 p.m.—Stock and bond quotations
5 p.m.—Lyric Challengers, NBC
5:30 p.m.—Artistic Ensemble; VeOna Socolofsky and Rhena Marshall
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.—So-A-Tone broadcast
8:45 p.m.—News flashes
9 p.m.—Launderland Lyrics, NBC
9:30 p.m.—Orchestra with mixed quartet
10:30 p.m.—Tales Never Told, NBC
11 p.m.—Musical Musketeers, NBC
12 midnight—Organ recital

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.—Novelty Five
5 to 5:30 p.m.—The Lyric Challengers
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 10:15 p.m.—Football Talk
10:15 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

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 Challengers, 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.—Launderland 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

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 Syncopaters, 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.—Klein's harmonica program
10 to 10:30 a.m.—"The Radio Smile Girl"
10:30 to 11 a.m.—The Times Forum
11 to 2 p.m.—Army vs. Notre Dame, football game at New York, CBS
2 to 5 p.m.—U. S. C. vs. Washington State, football
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 Burnett's Dance Or.
12 to 1 a.m.—Organ recital

SATURDAY 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 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 9 p.m.—Organ recital with Alice Blue
9 to 12 midnight—"What Have You" program with Pickwickians Dance Orchestra; Scharlin, Jane Sands, Ray, Tobin
12 to 1 a.m.—Slumber Chaser

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

Nichols & Warinner, Long Beach, Calif.
12 to 1 p.m.—Hollywood Girls
1 to 1:30 p.m.—Varsity Boys
1:30 to 2 p.m.—Originality Girls
2 to 2:15 p.m.—Health Talk
2:15 to 2:30 p.m.—Records
2:30 to 3 p.m.—Long Beach Municipal Band
3 to 3:30 p.m.—Organ recital
3:30 to 4 p.m.—Long Beach Municipal Band
4 to 5:30 p.m.—Organ recital; news
5:30 to 6 p.m.—Hollywood Girls
6 to 6:05 p.m.—Lost and Found Dept.
6:05 to 7:30 p.m.—Studio frolic
7:30 to 8 p.m.—Buster Wilson's orchestra
8 to 8:15 p.m.—Football talks
8:15 to 8:30 p.m.—C. Chittick, harmonica solos
8:30 to 9 p.m.—Doris and Clarence
9 to 9:45 p.m.—Cinderella Roof Ballroom
9:45 to 10 p.m.—El Patio Ballroom Orchestra
10 to 10:30 p.m.—Doris and Clarence
10:30 to 11 p.m.—El Patio Ballroom Orchestra
11 to 11:30 p.m.—Majestic Ballroom Orchestra
11:30 to 12 midnight—Silver Spray Ballroom Orchestra
12 to 1 a.m.—Recordings

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
9 to 10 a.m.—Morning musicale
10 to 11 a.m.—Amy Lou shopping hour
11:15 to 12:30 p.m.—Lloyd Peck's service hour
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
6:10 to 6:30 p.m.—Late news items
6:30 to 7 p.m.—Studio program
7 to 8 p.m.—Concert trio; John Ganton, tenor
8 to 8:30 p.m.—Ruth Bence, contralto; Richard Tetley, pianist
8:30 to 9 p.m.—Blanche Wood, girl baritone
9 to 10 p.m.—S. McKnight, accordian; Rosie Roseman, soloist
10 to 11 p.m.—Nashold's Downtown Ballroom
11 to 12 midnight—Hotel Del Coronado Orch.

340.7 Meters
880 Kcys.

KLX

Channel 88
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 1 p.m.—Machado's KLX Hawaiians
1 to 2 p.m.—Jean's Hi-Lights
2 to 3 p.m.—Recordings
3 to 3:30 p.m.—Studio program
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, 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.—Rhinaud 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

309.1 Meters **KJR** **Channel 97**
970 Kcys. **5000 Watts**

Northwest Radio Service Co., Seattle, Wash.
5:30 p.m.—Dinner concert
6 p.m.—Elmore Vincent; Pearl Dempsey, piano
6:15 p.m.—Collegiate Candy Boys
6:30 p.m.—Pair of Jacks
7 p.m.—Novelty quartet; Henri Damski, saxophone; Spencer Adams, xylophone; Pearl Dempsey, piano; George Sheldon, banjo
7:30 p.m.—Agatha Turley, soprano; Sid. Dixon, tenor
8 p.m.—Harmony Aces Dance Band; Eulala Dean, blues; Elmore Vincent, tenor
9 p.m.—Northwest Hour, Mt. Vernon Night
10 p.m.—Los Gauchos Argentines
11 p.m.—Cole McElroy's Spanish Dance Band

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

Radio Service Corp., Salt Lake City, Utah
5 p.m.—NBC presents dramatization of some interesting episode in the lives of figures prominent in American history
5:30 p.m.—"Laundryland Lyrics," NBC
6 p.m.—General Electric Hour, NBC
7 p.m.—"Lucky Strike" dance orchestra, NBC
8 p.m.—"Amos 'n' Andy," NBC
8:15 p.m.—Instrumental trio and vocalist
8:45 p.m.—Mystic Hour
9:15 p.m.—Jack Stacey's popular dance orch.
10:15 p.m.—Request Hour
11:15 p.m.—Shell Midnite Review

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

First Baptist Church, San Jose, Calif.
10 to 11 a.m.—Helpful Hour
11:45 to 12 noon—Recordings
12 to 12:30 p.m.—Carl's Hawaiians
12:30 to 1 p.m.—Market reports, weather
1:30 to 2:30 p.m.—The Friendly Hour
2:30 to 3:30 p.m.—Musical program
5 to 5:30 p.m.—Children's program
5:30 to 6:55 p.m.—Musical program
6:55 to 7 p.m.—Farmers' Exchange
7 to 7:30 p.m.—Farm Bureau Radio News
7:30 to 8:30 p.m.—Studio program
8:30 to 10 p.m.—Blue Diamond Studio program

SATURDAY Programs

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.—U. S. C.—Washington State football
 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.—Forest Lawn Memorial Park
 11 p.m.—KFI midnight frolic

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
 7:45 to 8 a.m.—"Home Folks" exercises
 8 to 8:15 a.m.—Record 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.—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 from the Los Angeles Coliseum
 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 9 p.m.—KNX feature artists
 9 to 10 p.m.—Broadcasting from the Russian American Art Club
 10 to 12 midnight—Hotel Ambassador Cocoanut Grove Orchestra
 12 to 1 a.m.—Dorado Club Silver Flizz dance hour

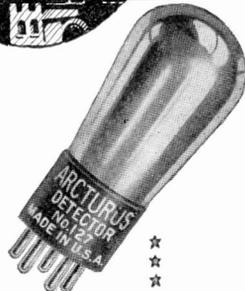
280.2 Meters **KJBS** **Channel 107**
1070 Kcys. **100 Watts**
J. Brunton & Sons, San Francisco, Calif.
 6:45 to 8 a.m.—Early Bird Hour
 8 to 10 a.m.—Variety records
 10 to 11 a.m.—Dance records
 11 to 12 noon—Popular recordings
 12 to 12:05 p.m.—Stock report
 12:05 to 2 p.m.—Recorded program
 2 to 2:30 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

299.8 Meters **KFVD** **Channel 100**
1000 Kcys. **250 Watts**
Auburn Fuller, Culver City, Calif.
 9 p.m.—Tom Breneman
 9:15 p.m.—Tom and Wash
 10 p.m.—Happy-Go-Lucky Trio; Peggy Price, soloist
 11 to 1 a.m.—Sebastian's Cotton Club Orchestra



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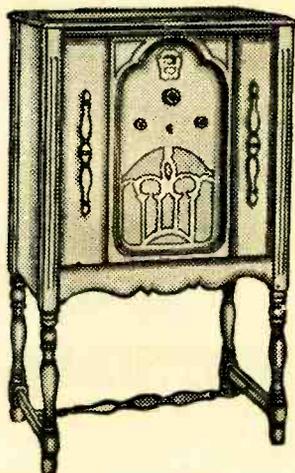
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