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KNX
(See Page 18)

February, 1931
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Those that are interested but unable to get in write us for descriptive literature. This will gladly be mailed to you.

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Radio Doings

Cloyd Marshall, Jr. Editor
G. W. Marshall Business Manager
K. G. Ormiston Technical Editor
Dorothy Hummel Studio Editor

February, 1931

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More Stations

A FAIR judgment given the work of the Federal Radio Commission must result in approval on the part of all listeners properly informed. Discouraging obstacles thrown in the way of this body have made its accomplishments all the more noteworthy in untangling the mess of a few years ago. We now have some semblance of order on the air. Every station has its allotment of time and power, its wave length and location. To exercise adequate control all licenses automatically become void each ninety days. This permits weeding out the undesirables and keeping for set owners the best of the broadcasters. Tremendous efforts have been made to take advantage of the Davis Equalization Act and allow each district only its exact quota. Aside from this idea having little or no influence on the total number of stations the Commission is not really sure that it can remove a station that puts up a hard fight.

This is all by way of introducing the nub of the whole thing, which is that people want less stations. There is too much overlapping and too much mediocre stuff given out. A current resolution in the House of Representatives calls for the outing of at least one-third of the American broadcasters. This is a fine step. Folks don’t mind the 400,000 watts just allotted to W8XAR (KDKA) for experimental purposes, nor the 50,000 watts assigned to many of the stations on the forty clear channels. But they do mind having dozens of inferior stations continually interfering.

But along comes a real snag to any proposed cut. Whether we add to or decrease the number of domestic broadcasters does not deter Canada or Mexico from throwing on the air a large quantity of stations that simply spoil our whole system of reception. Fifteen new licenses in the Southern Republic have just been issued, making a total of thirty-five.

So it may be wise before cutting our total number to have another North American allotment conference. It must and will come. Then the Commission should get busy and cut!
The Falck Super-Heterodyne model illustrated above is proof of what can be done when skilled radio designers and technicians condense the superlatives of radio performance into a small attractive cabinet. This convenient size, beautiful Roman shape cabinet in exquisite walnut conceals a mighty giant of distance, tone, and general all-round performance.

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AT AN AMAZING, LOW PRICE

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This attractive two-tone walnut miniature A.C. receiver has proved the equal of high priced consoles in many locations throughout the country. Because—it embodies console features; 2-224 Screen Grid stages, 1-224 Screen Grid Power detector, 1-227 Audio stage, 1-245 Power Audio output stage and specially designed electro dynamic speaker. A super powered 280 voltage supply gives trouble-free operation from any 110-20 volt house current line.

Pilotron tubes are standard equipment because Pilot retailers know none are more reliable.

PRICE
Complete in Modernistic Cabinet $59.50 less tubes

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RA D I O  D O I N G S  Page Nine

February, 1931

For World-Wide Radio Reception
Short and Long Waves, 14 to 500 Meters

PILOT Super-Wasp
Rev. J. W. Nilsen, Bolonque, Congo-Belge Africa says: "Here in the heart of Africa I have received 9IO, JB, 2BL, 5SW, AFK, PCJ, WGY (W2XAF), WRNY (W2XAL) and more stations on loud speaker with my Pilot Super-Wasp."

David W. J. Jones, Brisbane, Australia says: "I have received on my Super-Wasp all the test transmissions between W2XAF (Schenectady, N. Y.) and VK2ME (Sydney N.S.W.), Aero, ICT Holland, G8SW England and Sydney-London phone service."

Austin R. Baldwin, St. Raphael (Far.) France, says: "I heard from KDKA 23.1 meters, "We will now rebroadcast a concert from London." Shortly after the music from London came in clearly, having twice crossed the Atlantic."

Pilot Super-Wasp Comes in KIT FORM which can be assembled in a few hours

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$25.00
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THE PACENT RECORDOVOX assembly consists of the RECORDOVOX, furnished with clips, a special adapter and the selector switch illustrated above, together with the necessary connecting cords. Price $25.00. The hand microphone illustrated will be supplied only when requested, at an extra cost of $10.00 list.

THE PACENT RECORDOVOX is designed to operate with the pre-grooved type of records which are available everywhere at a small cost. It is a quality product, made by the manufacturers of talking picture equipment now operating satisfactorily in over 2,000 theatres throughout the world.

Public Address System Manual containing last minute data on amplifiers, microphones, loud speakers, together with useful information concerning the planning of sound systems will be sent free of charge upon request.

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If your tubes have been in use six months or longer, they should be tested for strength and life.

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—Since 1915

E. T. CUNNINGHAM, INC.

NEW YORK    CHICAGO    SAN FRANCISCO    DALLAS    ATLANTA
HARDSHIPS may make the youth the man, overnight. 1930 did just that to Radio.

As suppliers of essential parts to nearly the entire industry, we have followed radio's growth and problems intimately. We see the follies of youth being replaced by the fruits of experience. There is real hope in the new tempo, which relentlessly beats out an Eleventh Commandment: "Thou shalt gear Production to Demand!"

This modern creed thrives on Action. It requires almost instant manufacturing from minimum inventories. Hand to mouth buying;—hard fisted hands, determined mouths. Many headaches, much perspiring, no excuses. But it is successful!

Our own extensive facilities, radiating from three large plants, have been of no small assistance to many urgent production programs of this New Day.

We are prepared, in 1931, to render even more extensively the service this Eleventh Commandment requires: immediate and substantial shipments of paper, electrolytic and mica condensers, resistors, volume controls, transformers, chokes, coils and magnet wire.

Follow other Leaders in eliminating many of the headaches! Standardize on Polymet Products.

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

Write, Wire or Telephone for Information

PATTERSON RADIO COMPANY
239 S. Los Angeles Street

Manufacturers

Los Angeles

Since 1920

IMPORTANT
Do not confuse the PATTERSON with the innumerable so-called midgets now on the market. Patterson has been building quality radios since 1920. They are guaranteed equal in performance, quality of material and eye appeal to any radio selling for twice the Patterson list. Remember this, "there is no substitute for quality."
THE WEST NEEDS HIGH POWER

By HAROLD A. LAFOUNT
Federal Radio Commissioner

(Editors Note—The recent General Order No. 102 adopted by the Federal Radio Commission is reported in detail on page 24 of this issue. It effectually blocks the increase in power by any station in California, since the state is slightly over quota under the unit and quota system used. It will be noted that Commissioner Lafount raised the only dissenting voice. Commissioner Lafount knows that in the vast territory encompassed by the Fifth Zone, high power is essential in order to reach the widely scattered population. A limitation of power on the cleared channels is a restriction which is most certainly not in the public interest, convenience or necessity. We have asked our Commissioner for an expression from him relative to the power limitation question, and we are pleased to present it herewith. RADIO DOINGS is heartily in accord with Commissioner Lafount's views.)

The proper harnessing of the ether to secure the greatest benefits must necessarily recognize existing and underlying facts. If this new art is to allow paramount service to the public, the density and distribution of population in city and country must be considered. Radio facilities which are available must be allocated so as to reach equally well and reliably both these classes of people, and this must be done so as to avoid any interference.

It is obvious that most of this country's population lies well East of the Mississippi and mostly in cities and towns of the new England and Middle Atlantic States. Here reliable and adequate service may be had with appropriate number of stations with power to cover the areas. However, in the sparsely populated areas of the great West the same power would not reach the people.

Radio, like the stage coach, railroad and automobile, must be adapted to existing circumstances. The need for greater power in transportation became manifest and the stage coach and canal gave way to the modern high power automobile and super-powered modern locomotive. The people who have traveled westward by these means and have settled those large areas beyond city and urban life require higher power to serve them.

A few years ago 10 to 1000 watts was considered ample power; rural people had no receiving sets, the city dweller was well served with small power. That condition no longer exists for almost every rural dweller has his radio receiver. A fair size electric sign uses approximately 50,000 watts or about 67 H.P. A 60 H.P. automobile is not considered high power yet there are those who become shocked at the use of 50,000 watts by a radio station which serves millions of listeners over wide areas while the automobile or sign serve but a very few.

A high powered radio station, properly separated geographically and in frequency, would cause no more interference than a low powered station. In fact, several low powered stations on the same frequency separated by about five hundred miles will greatly reduce the night service area of each. Stations of five-thousand watts on the same frequency require more geographical separation than available in the United States to avoid interference. These facts seem to justify the use of cleared channels for interference-free service. If so, I can see no sound reason to limit the power of stations operating on them.

Commission Asks More Police Power

Authority to put broadcasting stations off the air for 30 days when they violate minor radio regulations is asked by the Federal Radio Commission in its annual report to Congress submitted recently.

Under the present system, the Commission can only revoke a station's license or else place it on probation for 30 days until its defense can be heard. Many of the offenses, it was explained, do not warrant such stern measures as the first.

Last year was marked by development in every field of radio, the report stated, such as in point-to-point communication, television and aviation.

That the commission has assumed a hard-boiled attitude toward applicants for broadcasting facilities, largely because of the present congestion of stations, was evident in the announcement that only one out of every 12 applications was granted. During the fiscal year 8,543 applications of various sorts were handled by the commission. Of these 944 were set for hearings, but only 77 were granted.

Out of those refused, 36 were appealed to the District Court of Appeals, and a few were taken to equity and District Courts in the areas in which the aggrieved station was located.
WE APPLAUD . . .

BECAUSE: Eugene Hawes' perfect characterization of a young Mexican lad combines both an excellent imitation of the dialect and an understanding of the processes that are present in the Mexican's soul; because his presentation is so real that one can imagine the purple tie, yellow shoes, green hat and enormous sombrero and finally because Pedro, lovable, worthless, “Out of a job and glad of it” has become one of the public's favorite comedians.
It is strange, indeed, this fascination that surrounds the lives of hunted things—be they birds in the jungle, butterflies in the gardens, speckled trout in the streams or announcers in radio stations.

Insofar as RADIO DOINGS is a magazine devoted in every throbbing line to radio and the modus vivendi (no relative of spiritus recti) of radio workers, let us survey briefly and charitably one day’s existence of a radio announcer.

We must first nick our announcer. From this distance, the first we see, munching peanuts behind a condenser microphone, is Don Wilson. It’s quite easy to see. Don—there’s lots of him. And he’s nibbling away in Studio A of KFI-KECA.

It’s quite early in the morning, quite Three o’clock, to be exact. Don often begins his day at this hour. Why? Because there’s eight hours’ difference between Los Angeles and London, and since KFI-KECA often carry speeches delivered and intended by King George or Premier MacDonald for posterity, Don must start work at 3:00 a.m. The knowledge that His Majesty or Mr. MacDonald have just finished one of those dear British breakfasts makes Don not a whit happier.

Don’s heart as a matter of fact is not, as we would think, in the words of royalty or veeptiness. Don, to put it in homely language, wishes he were in the hay—with hot cakes and hickory bacon (beg pardon, I meant stripped bacon), still five hours away.

--

London signs off at four. Don turns the microphone over to another very sleepy and slightly iritated announcer, Kenneth Carpenter. Mr. Carpenter came to work in the belief that the program would continue for another hour. But it didn’t continue. That ubiquitous and fugitive factor, “atmospheric conditions,” did not allow it.

So we have two announcers sipping coffee before dawn, their matutinal dispositions ruined.

At eight o’clock Mr. Wilson returns to the studio. He is scheduled to announce a program for Lizzy Doakes, who breathes passionate blues and heart-broken ballads for the large-and-not-to-be-despised chamber-maid audience.

Lizzy is not in the studio. Time creeps to thirty seconds before eight. Don, in a cold sweat, wonders what to do if the delectable Lizzy doesn’t show up. He is still wondering as he makes his sign-on announcement.

As he finishes speaking, the door opens and Lizzy saunters in, her accompanist at her heels, both giggling and chewing coffee. Don whispers:

“Got your program?”

More giggles. No, they haven’t their program.

“Then for Gawd’s sake start singin’. Gimme the first number.”

Don chatters amiably into the microphone until Blues-and-Ballads starts crowning. Thereafter, it is catch-as-catch-can to get from her, without being heard, the remaining numbers. Their public is saved, but Don’s nerves are scratchy.

--

In the meantime, Gene Grant of the commercial department is having words with Mr. Kenneth Carpenter and another gentleman.

“Ken,” says Gene, “this is Mr. Greenbaum, sponsor of the doughnut program Wednesday mornings. Mr. Greenbaum does not feel, in fact he is almost certain, that we could improve the way we put over his announcement. Maybe you could get together...

Mr. Greenbaum cuts in.

“We want it more enthusiasm in the voice. When you say ‘doughnuts that you needn’t dunk,’ you gotta get strong when you say ‘needn’t,’ see? You gotta give it a little thought. Start kinda easy and slow and then give ‘em everything on ‘needn’t.’ It’s an art, I tell you!”

“Well, perhaps I could do better if I understood the slogan better.”

“You don’t halfa. It’s just a slogan. Sounds kinda cute, that’s all. Just give ‘em the big shot like I told you. Make ‘em believe in doughnuts. Make ‘em doughnut-conscious, see?”

“I see.”

“Ye—see that you do. Do sump’n. My wife (she took lessons in elocution once and she knows) don’t like it the way you do.”

Wilson is through with Lizzy Doakes. He is now announcing a program by Jascha Novgorod, violinist. M. Novgorod persists in touching the microphone, and Don has to issue dire warnings. M. Novgorod also neglected to inform either the program department or Mr. Wilson what he would play. M. Novgorod is a very proud and touchy gentleman whose family, of course, was driven from high estates and impoverished by the Bolsheviki.

Time to M. Novgorod, is nothing. The fact that he must make way at ten sharp for an international broadcast disturbances him not at all. To him it is far more important that the Corelli variations be finished to the last harmonic.

Mr. Wilson gently, but firmly, disconnects M. Novgorod’s microphone and signs-on the international broadcast. M. Novgorod, in Russian, announces himself the eternal enemy of that unfeeling monster, Mr. Wilson.

--

Harry Hall, assistant program director, summons Mr. Carpenter.

“You’ll have to take on the symphony concert tonight at nine, and at ten you’ll have to be master-of-ceremonies at the Hi-Life cafe.”

“Okay. But I came to work at four.”

“Can’t help it. We’re short-handed.”

“There’s a continuity for the symphony, of course?”

“If we can get Mr. Rodriguez to write one. But he’s not here.”

“He’s never here, the snake.”

(Continued on Page 41)
"SEETHES there a mole-er-breathes there a hole"—well—is there anyone living within dialing distance of KNX who hasn't been more or less convulsed with Discount Standard McWeber's learned discourses on some tropic or other? Gene Byrnes, who created the character of the silver-tongued (if somewhat befuddled) orator is best described as versatile, and when we say versatile we mean just that! He is an organist of ability: he has written over four hundred songs, the best known being "Lolita My Dove" and "Elsa:" he is a poet and writer; he has recently composed a suite of orchestral pieces called, "Moods of the Sea," and he entertains over the air in six characters each speaking a different dialect! And to top it all off, Gene is really funny in an inimitable way that has to do with hands, voice intonations, gestures, eyebrows, etc. If you aren't amused by the following discursu after you have had it read out loud in the manner of the impassioned orator of the old school, then your sense of humor has that tired, dragging, sluggish feeling" and needs Gene Byrnes once (at least) daily to tune it up. Mondays, Wednesdays and Friday nights Mr. Byrnes picks scraps from waste basket and Thursday night at 8:30 he joins Jack Carter to make the "Soup to Nuts" program a riot of mirth.

Presenting—
The World's Leading Opponent of the
King's English

DISCOUNT STANDARD McWEBSTER,
F.B. (Financially Busted)

In a very learned discourse on the tropic; "Every Good American Should Own His Own Comb"
The apartment house is doomed! The American people are immersing from the cliff dwelling sage-er-page-er-age and are migrating to the adverbs-er-songbirds-er-suburbs. Here a man can find a plot of brass-er-a-plot of jizz-er-a-plot of grass to call his own. Here beer gardens-er-flower gardens shall break forth into bloomers and old snother razors-er-old mother Nature shall reign supine! Heaven speed the day when this enlivened generator shall follow in the footprints of our floorfarthers and make their way into the plural districts!

(HOORAY!) No doubt you have been on a free real estate slip-er-pipe-er-trip. You will doubtless wreck-a-neck the pasty-er-hasty-er tasty box crunch with which you were served-eserved. Then you were shown a dutiful lot and they took you into a three by sick booth called the "Turkey bath." If you didn't pie a lot you ought to be hot-er-shot! In fact you probably were. The modern steel estate man is the Christopher Columbar of the 20th century. He is grating a tail-er-brazing a nail-er-blazing a trail. He is carrying the porch aloft to light the way for the generations to follow-er-follow! I say more shower to him!

(HOORAY!) Bleeds there the lamb with mule so bread that has never vichysized-er-visual-er-vizzyvisyvis-er-division-er-viscitude-er-er — who has never dreamed of some day zoning his own dome? It is the innermost serge of every humid being! A man screams of sitting in front of his own heat fog gazes into the mouldering members a rundown-er-sundown. He wants to see his little chilblains praying on the tinoleum. He wants to see a fritter of poppys-er-a critter of snuffeers-er-a litter of puppies tumbling around on the lion room snorer-er-living room floor. He wants the bribriery-er-bribriery-er-privacy that only a little jungleglow surrendered with euchreptips fleas-er-trees can give to him! He uses that day when every jam will tone his own foam!

(HOORAY!) But as they say in Italics, "Fempus Tu-gitt," and so I must bring my message to a nose. Let us league you with a few shores clurds-er-posing birds-er-closing words of perspiration. Get out into the wide open faces. Forget the way white gay that leads to instruction. Stick to the straight and narrow bath that will make you successful! Be tankful that you are living in a spree country! If a man asks you to mock a smile with him, go with a spraint. Go out and get that concrete dome now! Start praying off the morgue at seven for a cent. Remember the words of that great English skatesman, William Flit. He said, "The Thirst Shall Be Flask, and the Glass shall be hearse!"

I CRANK YOU!

WARNING: This speech is a copyrighted feature and cannot be used for any professional purposes without permission of the author.

—Gene Byrnes.

The National Broadcasting Company assures an anxious world that Amos 'n' Andy, The Shell Happy Time, The Spotlight Review, Standard School of the Air, Gilmore Circus, "Adventures of Sherlock Holmes," The Palmolive Hours, The Armstrong Quakers and many other favorite programs will remain on the air during 1931. In addition, many new programs of interest are appearing daily on the schedule, one of the newest being Our Own Bobby Jones in a series of golf chats announced by Georgia Droll (Bill) Munday. These talks will originate at WSB in Atlanta. The time is 5 p. m. every Wednesday over KGO, KHQ, KOMO, KGW, KECA, KFSD and KTAR. Velve G. Darlington dispenses wisdom over the United chain at 9:00 every morning except Sunday.

Russian 'cello soloist who is heard on KMTR is recognized as a brilliant artist both in Europe and America

"Twinkle, Twinkle, Little Star, How we wonder WHERE you are!"

Before the ink was dry on last month's book, Charlie Wellman had packed up and filed to San Francisco to join the National Broadcasting Company staff and Velva G. Darling, Modern Girl Philosopher, was lured over to the United Broadcasting Company. Now that that's straightened out it might be well to alibi ourselves. The first of the year brought many hundreds of changes in station personnel, programs, talent and sponsors. Many contracts were renewed, some cancelled and some inaugurated. We foresaw the trap and hated to commit ourselves, but the show must go on, of course. Now that everyone has settled down and gotten used to writing 1931 we promise to give you the most accurate and up-to-the-minute radio news that it is humanly possible to give. That was our New Year's resolution. We'll begin by telling you that Charlie Wellman, Prince of Pep, is singing about Mellow'd coffee on Monday, Wednesday and Friday mornings at 10 over KGO, KHQ, KOMO, KGW, KECA, KFSD and KTAR. Velva G. Darlington dispenses wisdom over the United chain at 9:00 every morning except Sunday.
**RADIO DOINGS**

February, 1931

Columbia Broadcasting Company is equally generous with entertainment. On February 6th, radio will bring listeners a brand new thrill. For the first time in the history of Fasion, the Paris openings will be brought to the women of America almost the very moment the French couturiers present their spring showings in the style capital of the world. Across 3000 miles of sea from the salon of Capt. Edward Molyneux will come this program of paramount interest to all women. Don’t fail to be close to your radio on February 6th at 7 p.m. Fleischmann’s new series on Monday nights at 6:00 p.m. is a must. It is called The Three Bakers and it will do you much good to listen in.

Bernardino Molinari, Italian Maestro, will be guest conductor of the New York Symphony orchestra in the weekly Sunday concerts. Dick Creedon of KHJ has gone into a rapid decline the last few weeks. He mumbles to himself and his eyes are haunted and his hands make vague gestures—all the result of the General Pershing series being broadcast over KHJ and the Don Lee-Columbia chain on Friday night between 7 and 8. Dick says: "To dramatize these historical accounts of General Pershing’s now appearing in leading metropolitan newspapers became an acrobatic feat comparable to turning handsprings and juggling nine elephant eggs at the same time. In twelve minutes of dialogue it is necessary to compress the essence of seven chapters of these memoirs and to me fell the job of doing the dialogue." He has done a good job as you will see when you hear these intensely interesting programs. "Vignettes in Symphony," under the baton of Raymond Paige made its bow recently and was proclaimed one of the finest things on the air. This program is Ray Paige’s pet idea and must be heard to be appreciated. Saturday nights at 8.

Going up and down the coast we find that Mac’s Cow Hollow Symphony is causing quite a riot up at KFRC. Mac explains that all members of this organization have served in the army during war time except Cecil Wright and they are saving him for the next war. The gang is heard each morning at 7 and on The Blue Monday Jamboree. KPO has a program called "Aircyclopedia," which is reviving learning considerably in a large area. Some of the questions asked are devastating, some impossible, but many reasonable and sensible. If you thirst for knowledge, dial KPO on Thursday nights at 8:15. Lucy Day, who used to be at KTM is now singing charming songs over KTAB. The fascination of the tropics and the charm of the South seas is combined in a new program which KEX offers listeners on Tuesday evenings from 8:30 to 9:00. A Hawaiian-stringed orchestra plays native music while the Beach Comber, obviously a philosopher, builds through the music, an atmosphere which is a mixture of the East and West.

And to return to Los Angeles: Rose Dirmann of KFI recently gave a concert program accompanied by the orchestra, which was broadcast from KFI to San Francisco over the National Broadcasting Company of the coast. Miss Dirmann, well-known lyric soprano, is a frequent contributor over the Anthony station and appeared in "The Elizabethan Frolic," presented by the Shakespeare Club in Pasadena, and several other productions. Frank Gage, known as "Boss Frank" wherever tubes are lighted sings old ranch songs and plays various instruments over KFVD every Sunday morning from 10 to 11. Joe Bjorndahl, baritone, who will be remembered for his programs with the Pacific Coast Club Rhythm Makers, is now singing over KGER Monday, Wednesday and Friday mornings at 9:35 on Polly’s program. And finally, in case you haven’t heard ‘Nip and Tuck’ duo-piano team over KFWB, do so tonight at 6:30 o’clock. As we go to press they are on every night except Sunday and Tuesday at 6:30 o’clock, but if you tune in and find a grand opera program being presented call up HOLlywood 0313 and find out where they are and when, because you’ll be delighted with their tickling piano playing and perfect team work.

On Tuesday night at 6:30 over KFWB you can hear Loyce Whiteman’s easy-to-listen-to blues voice and Jerry Joyce’s syncopated dance music. Miss Whiteman has considerably more to her voice than just the everyday “blues” quality and this theory is substantiated by the fact that she has been singing over radio for many years and her popularity is constantly on the increase. Dial 950 kilocycles on week days and 4:00 p.m. (Friday at 4:30) and hear Loyce and the orchestra.

Four Little Words—"Get your gun, Blue."—The four words were spoken in a back office of the KHJ studios and radio history was made. Radio listeners know those loveable nont-wit sleuths, Black and Blue. They hear them in “Polgeria” every Thursday night and in their newly launched daily series broadcast over the Don Lee Chain between 5:30 to 5:45 o’clock, every night except Saturdays and Sundays. Here is how the four words and what followed happened:

It was decided to add the two sleuths to the characters in “Polgeria.” But who would take the roles? Harry Earnshaw, author of the continuity, was reading the lines out loud to members of the staff in hope that inspiration might burst forth and the right man be found for the job. He read—“Get Your Gun, Blue.” Charles Forsythe, staff technician, repeated the sentence. "You’re nominated and elected," shouted Mr. Earnshaw. Forsythe’s protests didn’t matter. The next job was to find the Blue. It needed a high, squeaky, complaining voice.

At that point the meeting was interrupted by the intrusion of one Len Wright, staff drummer. "Hey! Charlie," he complained, "What’d you do with my drum sticks?" "You’re Blue," shouted Harry Earnshaw. Wright didn’t believe it and it took fast talking to convince him that he was Blue. But Blue he was and is.

KFVD is broadcasting an Hungarian program on Sunday nights at 9:15 to 10:15 which is one of the finest Sunday evening programs on the air. A feature of the hour is Joseph Diskay, former tenor of the Royal Opera at Budapest, Hungary, who is well known to both American and European music lovers. If you are dissatisfied with the Sunday evening programs of other stations listen to the Hungarian Broadcasting Company over KFVD. You will be greatly entertained.

Joseph Diskay  KFVD...
On Your Right, Ladies and Gentlemen

By DICK CREEDON... Publicity Director... KHJ

My public! KHJ greets you. For 18 hours daily you may hear us—but, fortunately or otherwise, as the fact may be, you can't see us. So for the brief span of two pages, you find us caught by the all-seeing camera's eye, which, as you know, never lies, though some cameras do sort of make the best of a bad job. But not these cameras.

We of KHJ want you to know us better. To know us is to love us. We are just one big happy family of one hundred human souls. (Crashing of sound effects.) And there being so many of us, and our space for pictures so limited, and the need for keeping our big happy family in that condition, it became necessary to invent some absolutely impartial means of deciding whose map, mug, face would appear on these pages and whose wouldn't. So it was decided to put the hundred photographs in a specially constructed derby and let a pretty, not too heavily clothed and blindfolded maiden draw out a dozen. Being practically blind after putting this magazine to bed, Dorothy Hummel, your radio editor of your RADIO DOINGS was selected. To make doubly sure of fair play, she was further blindfolded with a striped necktie belonging to Kenneth Ormiston, who, not getting the idea immediately, wrapped the necktie around Miss Hummel's mouth. Is this a gag? Miss Hummel thought—not being able to shout.

So Dorothy drew and drew and drew and a survey of these pages should convince us that she is a master of drawing things (out of a hat.) Next month, we are assured this insp..."sired draughtsm... will draw a dozen more portraits of KHJ's staff while blindfolded and with one arm tied behind her back to make it more difficult.

Now, on our right, ladies and gentlemen, we find Charley W. Hamp, whose entfernt bounces from West to East to East to West (tell me when to stop) in-

program manager. Yet still the most sincerely liked and respected man of all of us who create assorted sounds for your especial edification. A tremendously vital personality with an overcharge of enthusiasm and good nature. He works from 8 a.m. to 10 p.m. every day at the studio. We haven't got the heart to check on how he does at home. Cool in emergencies; and radio is a series of them. He has youth, vision and amazing versatility. As far as KHJ is concerned, Raymond Paige is the golden-haired lad of all the personalities that wander down the ether lanes to you.

Elvia Allman is like nobody else that anybody ever knew, but would like to. In action before the microphone she is like a pailfull of energetic electric eels. She is the answer to perpetual motion. Her arms and legs and head and hips are constantly darting out in the most startling directions. She'll be hard to bury. Some unidentified force or, perhaps, a mechanical device must hold her together. This constant physical flux and seething is the external overflow of an vitalized and volatile temperament and intellect. Very sensitive, very subtle, very delightful, very talented, very many things. Elvia only happens once. Let's stuff her and give her to the Metropolitan Museum.

It is just too bad, ladies, that there isn't enough of Ted White to go around. Charles McGurk, the author, said of Ted in a story published in Liberty: "He is the most romantic singer I have ever heard. Ted, himself, thinks Bing Crosby is the best of the present army of tenors who sing the songs that are here today and gone tomorrow. But Mrs. Crosby hands the palm right back to Mr. White. Ted has a rare personality. It is in constant retreat and hard to catch up with. It evades you quietly and persistently. It achieves mystery and leaves a ripple of friendliness and fine...
charm behind it. Ted is one of those tall, brunette Southern gentlemen. He has even been seen in a wide-brimmed black felt bonnet. He would choke anybody who called him "Colonel" but quietly, politely, without a show of anger or temperament.

Bob Swan is our chief announcer. His fan mail looks like a rainbow and smells like an old-fashioned garden. The letters contain interesting things like pressed flowers, checks, tear stains and invitations to go places and eat things. It's just as well that Mrs. Swan always knows where Robert is. There are many places he might be. We are still looking for the guy that doesn't like Bob. If you know one, let us know. Mr. Swan's ambition is to be a radio announcer at KHJ. He is painlessly conscientious. Ashes on the floor make him unhappy. He is even tempered even when at the wheel of his stumbling wreck. He also has a Cadillac, a plump, pretty daughter, walnut trees in his backyard. After a 14-hour day, Bob looks like he was picking up walnuts from the lawn. He bends over so far he steps on his eyelashes. What a life! But he loves it.

Several months ago, Leigh Harline, some of the salt from Salt Lake, was about to become a father. In fact, he did. The daughter's name is Karen. I want to name a daughter Karen, too. You have all heard how a pin dropped in the Salt Lake Tabernacle echoes and echoes. Leigh is the boy that used to pick up the pin after the guide dropped it. He saved his pins and came to Los Angeles. His arrangements and compositions are creating a much prettier and louder echo than the pins did.

Lindsay MacHarrie is something to think about after you get through looking at him—which takes some girls I know a long time. The only thing he doesn't do around KHJ is sweep up. Now, maybe he does that, too. I have seen him sneaking into the studio after midnight. Yet! He's probably forgotten to sweep up. Not that our ex-assistant graduate manager of the University of Washington makes a mess of things. He is production manager, master of ceremonies, continuity writer, actor, singer, makes out programs, placates sponsors, announces and has a private secretary to answer his fan mail. MacHarrie is Scotch. When writing for pictures of him, don't be hurt if he sends you a little one. He's Scotch. And while the big pictures only cost fifty-cents a piece and he can easily afford to spend several hundred bucks a month on 'em, he won't do it. Not an admirable trait in our tall and handsome admirable boy.

John P. Medbury, famous columnist and California Melodies' master without ceremonies, is a radio's premiere gag man. When he comes into the studio, the microphone begins to chuckle. So do you. He and Ted Osborne, our humorist and philosopher, used to work side by side in New York. They must have signed an iron-clad agreement to pat each other on the back wearing only soft mittens. When their arms give out, we'll lend them ours.

Kenneth Niles is Montana's gift to California. He arrived by way of the University of California and, his old friend, Lindsay MacHarrie, found him on the doorstep one morning all wrapped up in collegiate clothes and tied with a remarkable necktie. Here was a masterful and handsome youth looking for something to master. He found some ceremony on the Hallelujah Hour and mastered it completely. Since then, Kenny has been your official master of ceremonies for that engaging bit of morning diversion. He is also the only Pacific Coast announcer heard regularly on a coast-to-coast hook-up. I refer to California Melodies. Every morning on the Hallelujah Hour he is heard over the entire Pacific Coast. This is very convenient as it costs a lot to telephone the University of Washington campus.

P. S. — Dorothy Hummel has just, but even now telephoned to inquire in an, er, informal tone of voice, why this article passed over Ted Osborne and John P. Medbury so hurriedly, slightly. Miss Hummel feels that good, clean comedy is rare on the air and that its purveyors should be held in great honor. Well, the boys are clean. Perhaps, I'm a little bit jealous. You see, I was a gag writer once myself. I only wrote one gag and it was never printed, but it was a good one and marked me as a lad that shouldn't be over-looked. I have always been determined to get it in print. Furthermore, I illustrated the gag myself. I'm nothing if not versatile. So don't tell me I'm not versatile. I drew a little picture of the entrance to a maternity hospital and on the door printed: TERMS — C.O.D. This gag is for sale at very reasonable price considering I'm the only one of them left. Let me hear from you. Now take Medbury, for instance. Personally, I can take him or leave him alone. He is master of ceremonies every week on California Melodies. I write the introduction to the program. The introductions are very fine. Nobody laughs at them. But the minute Medbury starts talking, the country starts laughing. I can't help but think that Medbury is responsible for this. But I forgive him because he is an unfortunate — more to be censured than pitied. You know, the nurse actually dropped him when he was a baby and he has never been picked up. Not even in Hollywood. There MUST be something wrong with him. At an early age he had spots behind his ears and his head seemed to be growing round. He figured, therefore, that if he stood on his head, he'd spin. He didn't. He's been dizzy ever since. That explains a lot of things about California Medberries. Now Ted Osborne is a great guy and if he'd stop looking over my shoulder I'd tell you some nice things about him. I thought it would work!
THE TECHNIQUE OF SOUND EFFECTS
By CHARLES FORSYTHE

Charles Forsythe, KHJ staff sound effect engineer, will conduct a monthly column in RADIO DOINGS. He will answer all questions concerning the perfection of sound effect devices which broadcasters submit to him. The object being to improve and develop this very important phase of modern radio productions.

There are vast inconsistencies in our programs daily as regards sound effects. The most glaring of these is the railway train. In this article, Mr. Forsythe will attempt to bring out clearly what he means by "glaring inconsistencies."

To begin with any of you who have ever heard Raymond Paige's orchestra, over the Don Lee Stations, playing the current hit from "Monte Carlo" entitled "Beyond the Blue Horizon," will undoubtedly recall the train effect augmenting this vocal number. We mention this as an example of perfect sound imitation. This effect is the outcome of years of study in attempting a perfect reproduction of a train. Mr. Forsythe continues:

"Have you ever known of a steam railway train coming to a regular stop at a station with the chug or exhaust continuing and said chug slowing down with the momentum of the train to a complete stop? This is the most conspicuous mistake in broadcasting a train effect. In the first place, a railway steam locomotive is very similar to your own automobile as regards stopping; for instance, if you were approaching a place where you expected to stop, the first thing you do is to throw out the clutch of your car. Now this we all know, disconnects the power from your transmitter or wheels, therefore, at the time you actually come to a stop your motor has been reduced to the idling speed. When coming to a stop the engineer closes the throttle of a steam locomotive, therefore immediately stopping the chug; this is done long before the train actually comes to a stop. When a train comes into a station there is nothing heard except the rumble of the weight of the wheels on the rails and slight exhaust of steam. The effect of arriving trains are invariably done exactly this way, the only exception to this rule is when a train is stopped on an incline from sheer lack of power to pull the hill. All railway men know that no matter where a railway station may be located, in building and grading such yard limit, several hundred feet are made level by the builders of the railway. This makes it possible, except for an extremely long freight train, for the average passenger train to coast into the station, regardless of how long a hill he may have climbed before arriving at the yard limits. The chug is the most important element as a train leaves the station.

"Most all train effects when done over the radio, for one reason or another, are at fault in this first part of the effect. In other words, most radio trains are in a hurry to get away. There should be an exhaust of steam that alternates between chugs; in the term of a musician, we would say we have our chugs down on a piece of paper as notes. The down beat in 4-4 time is the chug, and the second beat is for the steam exhaust, and this exhaust is more or less sustained and is not staccato like the chug. There is real labor behind the chug, and this hiss of steam should be almost sustained as a background for the chug; however, it should have an impulse so that it is standing out as the object of the chug—chug--hiss—chug—hiss. Of course, in a disappearing train this hiss of steam is a detail that isn't necessary much more than the first 15 or 20 chugs as the

LINES AND ANGLES
By TED OSBORNE

Some folks' idea o' gettin' behind th' government is to attack it from th' rear.

Th' wise man measures his words by th' weight; th' fool measures his by th' length.

Ambition an' hard work are all right in their place, but it don't do no good t' chase an express train on a handcar.

Mebbe th' reason women talk an' gossip more'n men is 'cause they have th' men t' talk an' gossip about.

Th' world seems t' be made up o' two kinds o' people—them as has more appetite than dinner, an' them as has more dinner than appetite.

Th' fellers who are always tryin' t' save trouble for themselves often find that they've saved more'n they can take care of.

Love is like an owl, an' gets along best at night. If every proposal o' marriage was made on a crowded street at noon, a lot o' divorce lawyers 'ud starve t' death.

A rollin' stone don't gather no moss; but most of 'em get so smooth y' can't get nothin' else on 'em neither.

Advice is somethin' like a rainstorm: th' easier it falls, th' deeper it sinks in.

There's two possible reasons why a man won't mind his own business. One is, he hasn't got any business, an' th' other is that he hasn't got any mind.

When a feller is climbin', he sometimes has t' step down a bit so's he can get a better foothold.

train would disappear sufficiently far from the hearer to make it unheard.

"And now for signals, practically all train rules are the same as regards whistling for stations, whistling for crossings, arriving at stations, and leaving stations. Probably everyone of us know the crossing whistle, which is too long and two short. But isn't it inconsistent to broadcast a real convincing effect of a train and then spoil the whole thing to give a crossing whistle for a train pulling out of a station?

"In the next issue I will take up the subject of Correct Whistles and will also go into the subject of rail clicks, and various sounds which are used as the setting for interior railway coach scenes; at the same time answering all questions pertaining to sound recreation for the microphone."

CORRECTION!—Too late to catch an error on the index page we hasten to correct the listing of the National, Columbia and United Broadcasting Company programs. These schedules are for the month of FEBRUARY and NOT for January.
The Lyric Trio is one of the best known instrumental trios in the Pacific Northwest, having been heard over Northwest Broadcasting System stations KJR, KEX and KGA for more than a year.

All three members of the Trio are players in the Seattle Civic Orchestra. They are Hubert Graf, harpist; Sam Meyer, violinist, and Jan Naylor, 'cellist.

In addition to being popular with Pacific Northwest listeners, the Trio is well known to Alaska, Canada, Montana and Idaho listeners, their programs being broadcast by the three most powerful stations in the Northwest.
WITH THE COMMISSION

Zone Equalization Policy Adopted

After rejecting successively four proposals for effecting an equalization of radio broadcasting facilities among the Five Zones, and the States, the Federal Radio Commission has adopted a new policy, by means of which the long-talked-of equitable distribution is expected to be achieved.

While this order will undoubtedly bring about a general though gradual, reallocation of frequencies and power over the country, the discrepancies, with a few exceptions, are so slight between the over-quota and the under-quota areas that no great shake-up of broadcasters as in the Fall of 1928 is anticipated.

The plan, encompassed in a new General Order (No. 102) is a compromise of the four schemes formerly discarded and was proposed by Judge E. O. Sykes. It was adopted by a 4-to-1 vote, Commissioner Harold A. Lafount dissenting. Mr. Lafount was the only one of the Commissioners who had not offered an equalization proposal.

The order pointed out that the First and Second Zones, or the Eastern and Mid-Western areas, are under-quota, while the other three zones are over-quota. The States are about equally divided between those having more than their share of facilities and those having less.

Under the new General Order, a Zone or a State that has its quota of radio facilities or more will not be granted any further frequencies or additional power. Broadcasters in an under-quota State within an over-quota Zone, however, may apply for facilities of over-quota States in the same Zone; or a station owner in an over-quota State may seek facilities already assigned to another station within the State.

An applicant from an under-quota State may ask for facilities in use either in an over-quota State in the same Zone or an over-quota State in an over-quota Zone.

As the Order became effective upon its announcement, provision was made for all applications pending to be altered so as to conform with the new regulations.

Under some of the plans formerly proposed, the shake-up would have been more abrupt. The plan adopted provides for a more gradual distribution.

Illinois, New York, and California probably will be the greatest targets for under-quota States under this system as they lead the States in possessing more than their share of facilities. According to the 1930 census, under which the order will operate, Illinois is 10.28 units above quota, New York, 3.49, and California 2.68.

Prosecutor Prepares Radio Case

Warren Olney, Jr., formerly an Associate Justice of the California Supreme Court, is in Washington preparing the Government’s prosecution case against the Radio Corporation of America and nine other defendant corporations, alleged to constitute the “radio trust.” The suit was instituted several months ago in Wilmington, Del., by the Department of Justice.

Judge Olney has been employed by the Government as special prosecutor in the case. He is a graduate of the University of California and Harvard and holds an LL. D. from the former.

W8XAR Will Use 400,000 Watts

The highest powered broadcasting station in the world, W8XAR, at Pittsburgh, has been authorized to conduct experiments in the early morning hours to determine whether ultra-high powers can overcome fading, static and interference.

Power of 400,000 watts, twice that of any previous experimental station and eight times the maximum power now permitted any station in the United States for regular service, is to be used. The Westinghouse Electric and Manufacturing Company, which also operates the oldest broadcasting station, KDKA, will operate the new transmitter.

W8XAR will utilize the 980 kilocycle channel, now assigned KDKA, between 1 a.m. and 6 a.m. The power of the former will be stepped up gradually from 50,000 watts to 400,000 watts so as to ascertain the changes in reception achieved by each increase.

Monitors are to be operated at strategic locations throughout the United States to pick up the signals of the super-power station. Phonograph records and speeches will be put on the air during the experiments.

The highest power heretofore used in experiment was 200,000 watts and that was by the General Electric Company at Schenectady, N. Y. Technical improvements in transmitters are also expected to result from the W8XAR broadcasts.

Bill Seeks Educational Channels

The Federal Radio Commission would be instructed to set aside 15 per cent of the broadcasting facilities available to the United States for educational purposes exclusively under the terms of a bill introduced by Senator Fess (Republican), of Ohio, in the Senate. The measure was sponsored by the National Committee on Education by Radio and educators who gathered in Chicago recently.

The bill reads as follows:

“Not less than 15 per cent, reckoned with due weight to all factors determining effective service, of the radio broadcasting facilities which are or may be subject to the control of or allocation by the Federal Radio Commission, shall be reserved for educational broadcasting exclusively, and allocated when and if applications are made therefor, to educational agencies of the Federal or State governments and to educational institutions chartered by the United States or by the respective States or Territories.”

Organized broadcasters of the country are opposed to the proposal on the belief that it would constitute a waste of facilities, while even some members of the Radio Commission have expressed dislike for the plan on the grounds that other agencies would be discriminated against.

Educators of the country are in complete accord with the proposed law and will give it their hearty support, the chairman of the National Committee on Education by Radio, Joy Elmer Morgan, stated.

Six-Months' License Period Delayed

To prevent the expiration of broadcasting license in the middle of a dull summer period, the Federal Radio Commission has postponed its new order providing for broadcasting licenses of 6 months instead of 90 days from January 31 until April 30th.

All broadcasters in good standing will have their licenses extended on January 31 for three months only as hereofore.
I am just in receipt of a letter from The National Broadcasting Company of Australia with the very latest information on their chain of stations and they are very anxious to have same printed in Western States call books. Here it is—"Listing of stations of Australian National Broadcasting Service of the Commonwealth Government of Australia of which programs are supplied by the Australian Broadcasting Co., Ltd.

2FC—Sidney, New South Wales. 451 M. 665 Kc. 5 K.W.
2BL—Sidney, New South Wales. 310 M. 855 Kc. 5 K.W.
3LC—Melbourne, Victoria. 285 M. 800 Kc. 5 K.W.
3AR—Melbourne, Victoria. 560 M. 620 Kc. 5 K.W.
4QG—Brisbane, Queensland. 394.5 M. 760 Kc. 5 K.W.
TCL—Adelaide, South Australia. 412 M. 730 Kc. 5 K.W.
6WF—Perth, Western Australia. 435 M. 690 Kc. 5 K.W.
7ZL—Hobart, Tasmania. 516 M. 580 Kc. 3 K.W.

Eastern states' time is 12 noon, and Hobart and Brisbane is comparable with Pacific time as follows: 6:30 p.m. in Hobart, 5:30 p.m. in Melbourne, 8:30 p.m. in Adelaide means 9 p.m. in Melbourne.

Perth time is two hours later than Melbourne. Most of the above stations broadcast as follows: 6 p.m. to 11 p.m. on weekdays and 11:30 on Saturdays. Sunday hours, 6 p.m. to 10 p.m.

--P. E. Donnelly, 901 Third Ave., Los Angeles, Calif. * * *

Here is some information from Karl Halpern, 1435 Coney Island avenue, Brooklyn, N. Y. He said for me to pass it on with his compliments. KFPW, Fort Smith, Ark., 1340 Kc., 50 watts, is on the air 5 to 6:30 a.m. (P.S.T.), CFLC, Prescott, Ont., 1010 Kc., 70 watts, is on the air 4 to 4:30 p.m. (P.S.T.) Friday nights 4 to 7:30 and 4:45 to 5:45 o'clock every morning.

Sunday night I tuned in 550 Kc. at 8:30 o'clock and WGR, Buffalo, N. Y., 1000 watts, was coming in like a house afire. I have every station on 550 Kc. now except KFDY. Who knows anything about KFDY?
January Prize DX Contest

The January DX Contest, held in the early morning hours of Saturday, January 3rd, proved an exceedingly interesting one, even to the old timers in the DX game. More logs were submitted than in the previous contests conducted during evening hours, and many stations were listed which have never been reported by our readers before. The number of stations logged varied from 30 to 86. Some contestants counted the all-night locals, and some did not. Many fans took part who reside in localities where there are no all-night locals close by. In fact, the longest list submitted by Donald Teague, Jr., of Santa Paula, containing 86 stations, would be the prize winner, were it not for the fact that he is in an ideal location with no local interference. In judging the logs we try to take into consideration the difficulties under which the log was obtained. Thus, it is more of a feat for a fan in Beverly Hills to tune in 71 stations than for Donald to log 86.

The grand prize, a Tiffany Tone radio, is awarded to W. H. Nicholson, 320 No. Oakhurst Drive, Beverly Hills, Calif. His letter is printed below. To conserve space we have omitted the names of selections heard and the time, grouping the stations into half hour periods as logged by Mr. Nicholson:

"I set the old alarm clock for 2:50 a.m. and hopped out of bed at that time to see what I could do about winning that Tiffany Tone radio you are offering in this contest.

"I have been up several mornings before, but this morning was all you could ask for in DX reception. Stations were rolling in faster than I could log them. My list has 71 stations, and about 20 more got away. I either forgot to go back after them, or else couldn't log what they were playing.

"I used a Westinghouse Super WR6 model. I live on the second floor of a 20-unit apartment house, and have an aerial 200 feet long with 27 feet of lead-in. The ground lead is 23 feet long, connected to a copper tube buried six feet in the ground.

"Since October 1st I have logged 396 stations in the U.S., 22 in Canada, 10 in Mexico, 1 in Haiti, 1 in Porto Rico, 2 in South America, 8 in Japan, 2 in New Zealand, and 4 in Australia.

"I am not a member of the DX Club yet, but hope to be soon. Have been a constant reader of RADIO DOINGS for several years."

Stations logged on January 3, 1931. 3 to 6 a.m.: 3:00 to 3:30—4QG, 2YA, WJR, JOCK, JOIK, KGBZ, WWJ, KFDB, KJBS and WRHM. 3:30 to 4:00—KMMJ, WRC, WBEN, WGY, WOR, CKGW, WEAF. 4:00 to 4:30—WLW, KFAB, KWKH, WLS, KFNF, KMA, KMIC, KRLD, WBT, WATIC, KTNT, KTAT. 4:30 to 5:00—KFLQ, KFH, KSCJ, KWK, WHK, KGRS, KTSP, WLAC, WJAZ, KFEO. 5:00 to 5:30—WMAQ, WAAW, WDAF, KFYR, WOI, WREC, WGN, WFAA, WCCO, WHAS, WKY, WDAY, WCFL, WOC:WHO, KDKA, KFXQ, KSOO, KMOX. 5:30 to 6:00—KDYL, KGNF, WOW, WTAM, KCW, KCR, WOA1, WREN, KPOF, WSUN, WBIB, KOIL, WSPD, KTBS.


Jack Whitely, 2245 Fulton street, San Diego, submitted a log of 70 stations, including the locals. Arranged in order of frequency the list is as follows: KFYR, KMR, WOW, WDAF, WOI, WAAW, WMAQ, KFEO, WLW, WOR, KMMJ, WJR, JOBK, KFAB, WGY, WFAA, JOGK, WCCO, JOCK, WHAS, JOIK, JOFP, KWKH, WH, JOAK, WER, KFNF, WKY, WWJ, KFNF, KMA, WDAY, KJR, KFYD, KYW, KRLD, KTHS, KFKB, WJAG, WTAM, WBT, KMOX, KSOO, KMIC, KVOO, KTNT, KEX, KOB, WOAI, KFJ, WREN, KAT, KFOX, KIDO, KDYJ, KFHR, KQIQ, KWK, KSCJ, KSO, KOY, KOCW, KGRS, KFXD, KGNF, KSTP, WLAC, KFJP and WORD.

The long list sent in by Donald Teague, Jr., of Santa Paula, which the judges seriously considered for first prize (finally deciding that the difference between his locations and that of Mr. Nicholson justified a handicap), is as follows: KOBZ, 2YA, WJR, WWJ, WRHM, JOH, JOIK, KFAB, KMMJ, KMTN, KRC, KJBS, 3CL, JOAK, WJAY, WJH, KQU, WRC, WJAX, JOCK, WGY, WOR, WEAF, WKRC, WEEI, WCAE, WSMK, CKGW, JOBK, WOB, WMW, WLW, KWKH, KMBG, WATIC, KGNF, KFPL, KFN, KFCO, WAAW, WAIU, KFAB, WCFL, KRLD, WSAI, KSCJ, WKB, WDAY, WMAQ, KFOM, KGRS, WAPI, KMOX, KPRC, WKY, WCCO, KERU, KKD, WKF, WFAA, WFLA, WSA, WUN, KFH, WLS, WOI, WDAF, WHAS, WCKY, WREN, WHO-ROC, WOW, WMBI, KGEF, WIDX, KSOO, KYW, WKWB, KFIF, KGN, KGIO, WKB, KPOF, KSO, KRKA, KGKY.


The Tiffany Tone radio awarded to Mr. Nicholson is a four-screen-grid set, with four-gang condenser, dynamic speaker, tone control, and unusually good DX capabilities. It is manufactured by the Herbert H. Horn Radio Manufacturing Company, of Los Angeles.

The picture serves to introduce John Webb, winner of our December Contest, shown with the Avalon midget radio which was given as first prize. Since receiving this set, Mr. Webb has written to say that he is very agreeably surprised by the performance of the midget, and has logged many DX stations with it.
Our Club report for the past month shows a very decided increase in the various departments of the Club. Memberships are coming in and we are confident in saying that by the end of the current DX season, the Club Membership roll will contain approximately 60 to 75 Dyed-in-the-Wool DX fans from all parts of the world. New members initiated during the past month include such names well known in DX circles, some of them being George Schmidt, Stewart Walsmley, W. H. Nolan and Douglas A. Taylor. The latter being located in Mexico and from "inside information" has been badly bitten by the "Candy Bug." For more detailed information regarding Mr. Taylor's illness, please get in touch with our treasurer, George Villani.

In a report given out at the last regular meeting by Mr. Villani, the club treasurer, we note with great satisfaction that the club now has quite a substantial bank balance. This is, indeed, very good news for the club is self-supporting and every dollar banked means that we are on the road to success. It is to be remembered that this money is only to be used for such payment of accounts and bills incurred by the club in line with its regular business.

We have been delayed in giving out the final results of our Prize DX Contest held December 10th and at this time, are yet unable to give complete information concerning the winners. However, the judges have notified us that their report will be complete and ready for publication by the time the next issue of RADIO DOINGS goes to press. On account of the delay in the December contest, we were unable to hold a contest in January as we had planned.

At this time we are pleased to announce that we will hold our next Club Prize Contest Saturday morning, February 14th. The hours are from 12 midnight Friday night till 6 a.m. Saturday morning, February 14th. For the benefit of members living in other parts of the United States and the world—they are to "fish" during the above hours using their own standard local time. During our last contest, members living in the Middle West and on the East Coast became confused and did not know whether to use their local standard time or Pacific time. EVERY CONTESTANT IS TO USE HIS OWN STANDARD LOCAL TIME.

All logs are to be mailed to 314 E. 12th Street, Los Angeles, Calif., addressed to the Round the World DX Club Contest Committee and must reach the above address not later than February 21st. The names of the judges for the February contest will be given out at a later date. We hope that every member will send in a log for this contest, as we are gathering valuable information from the various logs received. Much of this information will be compiled and published.

At the last regular meeting, a trip to William MacDonald at Chula Vista was discussed and it was found that about fifteen members wish to make the trip and spend an evening with Mac and get some real pointers on how to get DX. Mr. MacDonald has won the title of being the World's DX Champion, a title to which there is no dispute. Mr. MacDonald has logged 1225 stations in approximately 65 countries and a glance over his files filled with verifications dispels any doubt that may come into any one's mind regarding Mr. MacDonald's achievements. Mr. MacDonald is an honorary member of our club and we are very proud to have him with us.

In response to our request, we received a telegram from Radio KGBU, located in Ketchikan, Alaska, stating that they were putting on a DX program for us and that they would be pleased to receive reports from any members receiving this special broadcast. This broadcast took place on the morning of January 15th from 1 a.m. till 3 a.m. Many members stated that they tried for this program but met with no success. However, one of our new members, George Schmidt, reported that he received them and had written for a verification. We all are awaiting his verification with much interest.

We are negotiating with other distant stations for more of these DX programs and as we hear from them, we will immediately notify all members in order that they may try for them. We are very grateful for this co-operation from Broadcasters and it is the wish of the executive committee that all members receiving any of these DX broadcasts, immediately communicate with the station putting the program on the air asking for a verification and expressing their thanks.

We have some real good news for members and prospective members living outside of Los Angeles County. At the regular meeting of the club, held Monday night, January 5th, a motion was made and passed to the effect that yearly dues for these members will be one dollar per year and for those living outside of the United States—no dues at all, BUT in both cases the entrance fee of one dollar still remains in force. This entrance fee is to be attached to all applications when applying for membership. With this new ruling in effect, we expect many distant DX fans who have probably held back feeling that they would not derive any benefit from the club, to send in their application upon receipt of this news. Only members living in Los Angeles County will have to pay the regular monthly dues of fifty cents per month. We feel that such members are able to attend meetings and thereby receive full benefit from these club meetings.

The next issue of RADIO DOINGS will contain a more detailed report on the club, DX news and notes and letters from various members. If any members have any questions they would like answered, just drop a note to the club and we shall try to publish these questions and answers in our section. On account of our space being limited, it may be impossible to answer and publish all letters, but we shall do the best we can.

The next regular club meeting will be held Monday night, February 2nd, at 7:30 o'clock at 314 East 12th street, Los Angeles. All DX fans are cordially invited to attend any of our meetings and we feel certain our meetings will prove of great interest to them. If any prospective member wishes any information regarding the club and its activities, please drop us a line and we shall be very glad to supply the desired information.

—Edward C. Roth, President.

* * *

During the past month I have found that: 1.—WMBI has only one late program and it is broadcast on Friday night between 10 and 11 o'clock (PST.) 2.—CKGW in Toronto, Ontario, Canada, is on 690 kilocycles, has 5,000 watts, and is on the Red and Blue networks of the National Broadcasting Company. It is the only Canadian station that has NBC programs. They broadcast on the following schedule: 6:45 a.m. 'til midnight or after every weekday, and on Sundays from 11 a.m. to 11:15 p.m. (EST.) 3.—WCBD is on the air on Wednesdays in the evening and the hour of their broadcast is 9 to 10 p.m. (PST.) 4.—WMAQ has a DX broadcast every Monday night from 8:45 to 9 o'clock (PST), and I find that there is much information given on it. In fact I have already logged a new station from their information. It is called "The Chicago Daily News DX Club" and I think that every DXer that will listen will surely gain from their broadcasts.

—George Schmidt, 1642 W. 82nd St., Los Angeles, Calif.
Directory of Western Stations

KBPS — Portland, Ore. — 1240 Kc. 211.1 mtrs. 100 w. — Benson Polytechnic School.

KDB — Santa Barbara, Calif. — 1380 Kc. 199.9 mtrs. 100 w. — Dwight Paulding, owner: Eddie Comers, Studio Mgr.

KDYL — Salt Lake City, Utah — 1290 Kc. 235.5 mtrs. 1000 w. — Intermountain Broadcasting Corp., S. S. Fox, Gen. Mgr.

KECA — Los Angeles, Calif. — 1350 Kc. 209.7 mtrs. 1000 w. — Tel. WE 0331. Carl C. Anthony, Inc., Carl Haverlin, Mgr.

KELW — Burbank, Calif. — 760 Kc. 3444 mtrs. 500 w. — Union Bank & Trust Co. Tel. 106 and GR 3198.

KEX — Portland, Ore. — 1140 Kc. 234.4 mtrs. 5000 w. — Western Broadcasting Co., William North, Mgr. Tel. At 3111.

KFKB — Sacramento, Calif. — 1310 Kc. 228.9 mtrs. 100 w. — James Mclntire Co. Company.

KFS — Los Angeles, Calif. — 640 Kc. 168.5 mtrs. 5000 w. — Earl C. Anthony, Inc., Carl Haverlin, Mgr. Tel. WE 0331.

KFIO — Spokane, Wash. — 1120 Kc. 267.3 mtrs. 100 w. — Spokane Broadcasting Co., Inc.

KFIJ — Astoria, Ore. — 1370 Kc. 318.8 mtrs. 100 w. — KFJ Broadcasting, Inc.

KFOX — Long Beach, Calif. — 1250 Kc. 239.9 mtrs. 1000 w. — Nichols & Warriner, Inc., H. G. Nichols, Mgr. Tel. 972-61.

KFJR — Portland, Ore. — 1300 Kc. 226.6 mtrs. 500 w. — Ashley C. Dixon and Son.

KFQU — Holy City, Calif. — 1420 Kc. 211.1 mtrs. 100 w. — W. E. Riker, owner.

KFPY — Spokane, Wash. — 1340 Kc. 223.7 mtrs. 1000 w. — Symons Broadcasting Co.


KFSG — Los Angeles, Calif. — 1120 Kc. 267.7 mtrs. 500 w. — KFS Radio Co., 2800 Main St., Hollywood, Calif.

KFGD — Los Angeles, Calif. — 1120 Kc. 267.7 mtrs. 500 w. — KFGD Broadcasting Co.

KFCD — Hollywood, Calif. — 1120 Kc. 267.7 mtrs. 500 w. — Dalton, Inc., Metropolitan Studios, Tel. VA 2460 (Temporary Phone).


KMP — Beverly Hills, Calif. — 710 Kc. 422.3 mtrs. 500 w. — Maclean Petroleum Co., Glenn Rice, Mgr. CHEST 3101.


KOAC — Corvallis, Ore. — 550 Kc. 545.1 mtrs. 1000 w. — Oregon State Agricultural College.

KOL — Portland, Ore. — 940 Kc. 319.0 mtrs. 1000 w. — KOL Inc., Tel. Atwater 4151.


KOOS — Marshall, Ore. — 1370 Kc. 318.8 mtrs. 100 w. — H. H. Sasseth, Inc.

KORE — Eugene, Ore. — 1420 Kc. 211.1 mtrs. 100 w. — Eugene Broadcasting Sta., Inc.

KPCB — Seattle, Wash. — 650 Kc. 461.3 mtrs. 1000 w. — West Coast Broadcasting Co. Tel. Min 2997.


KPPC — Pasadena, Calif. — 1210 Kc. 214.8 mtrs. 50 w. — Pasadena Presbyterian Church. Tel. Terrace 1163.


KQW — San Jose, Calif. — 1010 Kc. 296.6 mtrs. 500 w. — Calif. Farm Bureau, F. J. Hart, Mgr. Tel. Columbia 777.

KQE — Berkeley, Calif. — 1370 Kc. 214.8 mtrs. 100 w. — First Congregational Church of Berkeley.

KREG — Santa Ana, Calif. — 1500 Kc. 199.9 mtrs. 1000 w. — Pacific Western Broadcasting Federation, Ltd.

KROW — Oakland, Calif. — 910 Kc. 322.4 mtrs. 1000 w. — Educational Broadcasting Co. Tel. Glencourt 6774.


KSMR — Santa Maria, Calif. — 1290 Kc. 249.9 mtrs. 100 w. — KSMR Santa Maria Valley R. R. Co.


KTB — Phoenix, Arizona — 620 Kc. 483.6 mtrs. 1000 w. — KTAR Broadcasting Corp., Richard O. Lewis, Mgr.

KTB — Los Angeles, Calif. — 1300 Kc. 230.6 mtrs. 1000 w. — Bible Broadcasting Co., Lewis Lacey, Mgr. Washington 3445.

KTE — Portland, Ore. — 1300 Kc. 230.6 mtrs. 500 w. — M. E. Brown, owner.

KTM — Los Angeles, Calif. — 740 Kc. 384.1 mtrs. 1000 w. — KTM Broadcasting Co., Glenhall Taylor, Mgr. Tel. RX 1341.

KTV — Seattle, Wash. — 1270 Kc. 236.1 mtrs. 1000 w. — First Presbyterian Church of Seattle.


KUS — Bellingham, Wash. — 1200 Kc. 249.9 mtrs. 100 w. — KUSB Inc., owner.

KUS — Stockton, Calif. — 1200 Kc. 249.9 mtrs. 100 w. — Portable Wireless Telephone Co., Inc.

KUS — Portland, Ore. — 1060 Kc. 242.8 mtrs. 500 w.

KUSC — Pullman Wash. — 1220 Kc. 245.8 mtrs. 2000 w. — State College of Washington.

KUS — Seattle, Washington — 570 Kc. 526.0 mtrs. 500 w.

KUS — Portland, Ore. — 1140 Kc. 211.1 mtrs. 100 w. — KKL Broadcasting.


KUS — Hayward, Calif. — 218.8 mtrs. 100 w. — Universe Broadcasting Co., Leon A. Fry, Mgr. Tel. 1145.
WHAT 1931 HOLDS FOR RADIO

WHAT does 1931 hold for radio?

A symposium of a score of the leading technicians, broadcasters, and industrial executives reveals a variety of opinions but a striking similarity of views regarding super-power stations, television, synchronization, and international broadcasts. Likewise, there is a virtual unanimity of beliefs that the year holds no startling inventions or revolutions in the field of radio.

Despite the adverse action of the Federal Radio Commission regarding the recommendations of its Chief Examiner that all clear channels be opened to 50,000 watt broadcasting stations, optimism for super-power was prevalent in the answers to the question of whether stations of beyond 10,000 watts would "be found practical and be licensed" next year.

C. W. Horn, chief engineer of the National Broadcasting Company, expressed the opinion that "what opposition there has been to the use of high power is gradually diminishing as the need for such powers is becoming recognized."

Another noted radio engineer, who would not permit his name to be used, expressed a contrary view: "Broadcasting powers in excess of 50,000 watts are somewhat doubtful of value. It is possible that stations located on either coast have a greater excuse for increased power beyond 50,000 watts in order to get greater inland coverage."

This achievement of super-power stations will not be effected in 1931 in the opinion of William S. Hedges, former president of the National Association of Broadcasters.

Mr. Hedges, on the other hand, stands alone in his belief that television will be placed on a commercial scale in 1931. The general view of those answering the query was that progress would be made in visual broadcasting experiments, but that the stage of the art where it could provide public entertainment is at least more than a year away.

Opinions on the value and the future of synchronized broadcasting were diverse.

Dr. A. Hoyt Taylor, chief of the Naval Research Laboratories, said that synchronization will give "better service in certain areas and worse in other areas," but that on the whole it will be "a distinct gain."

Said Mr. Horn: "I know that synchronization is practical, and I feel that during the next couple of years, it will be generally introduced, particularly in order to overcome specific conditions and difficulties that now exist."

Another dissenting view is offered by the anonymous engineer: "The cost of synchronization, which is sufficiently precise to be satisfactory, is so high that I doubt very much whether the plan will have a marked effect during 1931. The experiments will be carried out by the larger broadcasters and will be of technical interest only."

Former Radio Commissioner H. A. Bellows agrees by saying: "I do not believe that synchronization is out of the experimental stage."

Morris Metcalf, president of the Radio Manufacturers' Association; W. J. Damm, president of the National Association of Broadcasters, and Frank Russell, vice-president of the National Broadcasting Company, hold that synchronization "will prove feasible and be generally adopted."

Others assert either that its value will be limited or that it will not become popular.

Interesting comments are offered on the most problem of static. Dr. Taylor emphatically answers "No" to the question: "Are there any indications that static will be entirely conquered?" while Mr. Horn has this to say: "Static is no longer a big problem, except in the Southern States in the summertime, and even here the use of higher powers has greatly improved conditions. Static has been conquered, but in such a manner that it cannot be adapted to broadcasting."

A general agreement, with a few reservations, was found that international broadcasts would increase in popularity during the new year.

The "growth of international program service" will probably be "the most important development in broadcasting in 1931," Mr. Bellows believes.

A. H. Kirchhofer, managing editor of the Buffalo Evening News, which operates WBEN, offers a reservation "when the quality improves," and Mr. Russell says, "to a limited extent."

There are also divers views on what the greatest technical contribution to radio this year was, while a number recall nothing outstanding. The synchronization plan as developed by the National Broadcasting Company poles the majority of the scattered votes.

Dr. Taylor, one of the world experts on short waves, designates the important contribution thus: "Increased frequency stability permitting (a) more stations to be operated, (b) synchronization, (c) better photoradio."

"The greatest technical contribution to radio in 1930 was synchronization of stations," asserts Mr. Horn. "This development is of basic importance and will influence all future developments in radio."

Martin F. Rice, manager of broadcasting for the General Electric Company, suggests: "Recognition of the principle that high power is necessary for reliable reception as evidenced by the large number of applicants for 50,000 watt transmitters. While there have been numerous refinements of existing methods, there is nothing outstanding."

Regarding the best solution for the congestion of broadcasting stations, most of those interviewed would place the responsibility on the Radio Commission to thin out the undesirable stations, but no one suggested a standard for judging stations.

Mr. Bellows, who knows what the Radio Commissioners are up against, frankly says: "I don't believe there is any."

"A systematic plan of licensing about fifty stations to operate on cleared channels and high power," suggests Mr. Rice. "Other stations would be limited to low power and would serve as local stations."

The age-old "survival of the fittest" is offered as the best solution by Mr. Horn.

Concerning electrical transcriptions, there is also a divided opinion as to whether they will likely increase in use by broadcasters.

Mr. Bellows says: "It looks to me as if electrical transcriptions have passed the peak of their popularity and are going down hill."

The age is too insistent upon speed and first-hand entertainment to put up with transcriptions to any extent, Mr. Horn believes. Mr. Rice dissents, saying: "Electrical transcriptions, when perfected, offer the opportunity to select the best of many performances for reproduction in broadcasting and should therefore eventually furnish one of the highest types of programs."
## SCHEDULE OF DX STATIONS

### EVENING HOURS ONLY

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<tbody>
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<td>KIZ</td>
<td>Denver, Colo.</td>
<td>550</td>
<td>4000</td>
<td>4-9:30</td>
<td>10:00</td>
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<td>WOC</td>
<td>Omaha, Neb.</td>
<td>500</td>
<td>4000</td>
<td>4-10:00</td>
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<td>WDAF</td>
<td>Kansas City, Mo.</td>
<td>600</td>
<td>4000</td>
<td>4-9:00</td>
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<td>WFLA-WSUN</td>
<td>Clearwater, Fla.</td>
<td>550</td>
<td>4000</td>
<td>4-8:45</td>
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<td>WSM</td>
<td>Nashville, Tenn.</td>
<td>650</td>
<td>1000</td>
<td>4-8:00</td>
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<td>Chicago, Ill.</td>
<td>670</td>
<td>5000</td>
<td>4-10:00</td>
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<td>WOR</td>
<td>Newark, N. J.</td>
<td>700</td>
<td>5000</td>
<td>4-9:00</td>
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<td>WGN</td>
<td>Chicago, Ill.</td>
<td>720</td>
<td>2500</td>
<td>4-10:30</td>
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<td>10:30</td>
<td>12:00</td>
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<td>Atlanta, Ga.</td>
<td>740</td>
<td>5000</td>
<td>4-9:00</td>
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<td>WJR</td>
<td>Detroit, Mich.</td>
<td>750</td>
<td>5000</td>
<td>4-11:00</td>
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<td>Fort Worth, Texas</td>
<td>800</td>
<td>10000</td>
<td>9:00</td>
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<td>510</td>
<td>7500</td>
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<td>Louisville, Ky.</td>
<td>830</td>
<td>10000</td>
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<td>3600</td>
<td>4-11:00</td>
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<td>Chicago, Ill.</td>
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<td>5000</td>
<td>4-6:30</td>
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<td>Chicago, Ill.</td>
<td>970</td>
<td>4500</td>
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<td>WCFL</td>
<td>Chicago, Ill.</td>
<td>970</td>
<td>6000</td>
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<td>WBZ</td>
<td>Springfield, Mass.</td>
<td>990</td>
<td>5000</td>
<td>8-9:00</td>
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<td>WOC-WHO</td>
<td>Davenport, Des Moines</td>
<td>1000</td>
<td>2900</td>
<td>5000</td>
<td>4-9:00</td>
<td>10:00</td>
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<td>KYW</td>
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<td>1020</td>
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### PACIFIC STANDARD TIME

The efforts of the federal government to provide better reception of broadcast programs and other radio transmissions are revealed in the annual report of W. D. Terrell, Chief of the Commerce Department’s Radio Division.

One of the chief causes for poor reception, the report points out, is the tendency of radio transmitting stations to deviate from their assigned wave length or frequency. In order that a close check may be kept on all stations and that those deviating may be immediately advised, a widespread system of monitoring has been inaugurated by the Radio Division. This monitoring service consists of a primary station located at Grand Island, Nebraska, and nine secondary stations in various parts of the country. In addition to these stations the division maintains a fleet of six test cars for supplementary work. The site of the primary station was chosen as near the geographical center of the country as possible, it is pointed out. The location is practically free from all man-made electrical disturbances.

The apparatus installed in the various monitoring stations is the most complete of any in the world. During the last fiscal year tests conducted at the primary station at Grand Island resulted in reception of transmissions from numerous foreign countries, including those as far separated as Russia and Argentina. A recent program transmitted from Tokyo was picked up at this primary station and made available for broadcasting in the United States.

One of the functions of the Radio Division is to inspect radio apparatus on all vessels leaving American ports. During the year under review the division made 11,334 inspections of this type as compared with 10,715 during the preceding year. Radio installations on airplanes are also subject to inspection by this division. Last year, the report shows, 215 planes, exclusive of those of the Army and Navy, were equipped with radio, as compared with less than 100 for the year 1928-29. In order that life may be properly safeguarded, Mr. Terrell points out, the radio apparatus on passenger-carrying planes should receive the same attention as is now given to the radio equipment on merchant vessels.

All licensed radio stations must be operated by licensed operators, the report explains. The duty of examining and certifying to the qualifications of these operators is one of the functions of the Radio Division. During the last fiscal year approximately 10,000 operators were examined and in addition more than 6,000 licenses were renewed.
The National SW-5

We have had many requests from short wave fans for the circuit diagram of the National SW-5. It is given below, with data and notes on this highly efficient receiver. Engineered from the ground up for short-wave one-dial humless AC reception, the SW-5 has a sensitivity comparable with that of many multi-stage RF broadcast sets.

The tuned radio frequency stage ahead of the regenerative detector is necessary if anything like worthwhile short wave reception is desired. The added sensitivity and selectivity of this stage brings the whispers up to audibility and permits spreading them out in the congested bands to avoid interference. In the design, every precaution has been taken to prevent energy losses in the radio frequency circuits, to provide smooth control of regeneration and in tuning, to eliminate all hum so that headphones may be used when desired.

Amateurs have found that the SW-5 provides reception on their bands superior to that which they have heretofore obtained with their home-constructed and more or less hay-wire layouts. These receivers have been adopted for certain phases of commercial short wave work, which is strong evidence of their efficiency.

Referring to the diagram, C1 and C2 are special 270-degree tuning condensers of 90 micro-microfarads capacity. C3 is a midget trimming condenser. It will be noted that this trimmer is not connected in the tuned circuit connected to the grid of the RF tube, but rather is in a separate coupled circuit, which permits of more exact ganging of the two tuning condensers for one-dial control. C4 is a 100 micro-microfarad mica condenser. C5 is a small coupling condenser. C6 1 mfd paper condenser. C7 is 100 to 270 mfd. mica condenser. C8 is 5 mfd paper condenser. C9, C10, C11 and C12 are .01 mfd mica condensers. P1, S1, T1 represent the windings of the antenna input transformer. P2, S2, T2 are the windings of the detector transformer. R1 is a 350 ohm bias resistor. R2 is a 5 megohm grid leak. R3 is the audio bias resistor, 2000 ohms. R4 is the second audio bias resistor of 1000 ohms. R5 is the regeneration and volume control potentiometer, 50,000 ohms. R7, R8 and R9 represent the voltage divider, having a total resistance of 12,000 ohms, tapped at 3100 and 4100 ohms from the negative end.

A careful study of the diagram and the values of the units will enable many experimenters, fans and amateurs to improve their shortwave reception.

The antenna and inter-stage plug-in coils are identical.

Schematic diagram of National short wave receiver SW-5. A fine tube all-electric single control set engineered for the highest efficiency in short wave reception.

The range of the four sets of coils is as follows: Black, 14 to 25 meters, 21.2 to 12.0 megacycles. Red, 23 to 41 meters, 13 to 7.33 megacycles. White, 38 to 70 meters, 7.9 to 4.3 megacycles. Green, 65 to 115 meters, 4.7 to 2.61 megacycles.

The first broadcast stations to locate when learning to operate the set are the group in the 48-49 meter band. W9XF (Chicago), W9XAA (Chicago), W2XE and W3XAL (New York), W3XAU (Philadelphia), W8XK (Pittsburgh), and other Americans will be readily found near 90 on the dial when using the white coils. Mapped in with them are HKT, Bogota, Columbia, and HRB in Honduras. The foreigners may be searched for after the operator is familiar with the operation of the set. VK2ME in Australia comes in at about 85 on the red coil, and G4SW, London, near 55 on the red. However, in going over the foreigners, one must take into consideration the time difference throughout the world and try at the proper hours.

There's a little more to bringing in those elusive foreign short-wave broadcasters than merely sitting down to your receiver, flipping the filament switch and carelessly twiddling the dials. Yet, many a broadcast listener has been led to believe that it's just as easy as listening to a local program. Not only must the operator of a short-wave receiver exercise greater care in tuning in to a distant station, but he must use his judgment as to when to listen. All the tuning on earth won't bring in a station if it doesn't happen to be on the air. Matters become more complicated in this respect because of the difference of time between the location of the receiver and the transmitter. There's no doubt about it, a fellow's got to use his head when tuning in on the short waves. The list of shortwave broadcasters in the New 1931 RADIO DOINGS CALL BOOK is the most authoritative and latest which it has been possible to compile.

Skip distance effects vary with wavelength, time of day, and the condition of the atmosphere. Therefore, divide your listening schedule something like this: 14 to about 20 meters, best from daybreak to about 2:00 p.m., and then fades out as darkness approaches: it is useless to listen below 20 meters after dark. 20 to 35 meters from 1:00 p.m. to about ten in the evening. 35 to 75 meters, best between twilight and daybreak.

* * *

"Ham" Call Book Issued

A call book listing the 19,000 "ham" radio stations has just been issued by the Radio Division of the Department of Commerce. The amateur stations are listed alphabetically by states and cities and call signals.

The book also contains a list of the technical and training school stations, experimental stations, relay broadcasting stations, visual broadcasting stations, the International Morse Code and conventional signals, a list of abbreviations used in radio communications, and a list of the nine radio districts with the headquarters of each. Copies of this book may be obtained directly from the Radio Division, Department of Commerce, Washington, D.C.
# Radio Directory of Western Programs

**Page Thirty-two**  
**RADIO DOINGS**  
February, 1931

## Classified Directory of Western Programs

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<td>United Broadcasting Co. Program</td>
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### FAVORITE FEATURES AND WHERE THEY ARE

- **Ann's (nearly Ex., Sun.)** 9:00-9:30 PM over KGJ, KOMO, KGW, KFSD, KTAV.
- **Bert Belrose** 9:00-9:30 PM on KOMO, KFSD, KFV.
- **Bert Butterworth and his Optimistic Donuts** (Fri.) 9:00-9:30 PM over KVX.
- **Buck and Hine** (nearly Ex., Sun.) 1:00-1:30 PM over KJLJ.
- **Ceil and Sally in Person** (nearly Ex., Sun.) 9:00-9:30 PM over KVX.
- **Charlotte Willman** (Mon., Wed. and Fri.) 9:00-9:30 PM over KFWB.
- **Charles W. Hamp** (Sun.) 9:00-9:30 PM over KFWB.
- **Charles W. Hamp** (Mon., Wed. and Fri.) 9:00-9:30 PM over KJLJ.
- **Charlie Willman presents "Tom and Wash."** (Daily) 1:30 PM on KFWB.
- **Coca Cola** 9:00-9:30 PM over KFWB.
- **Dance Orchestras** National Broadcasting Co. 5:00-5:30 PM Judy Vallette and Orchestra (Thurs.) KGJ, KOMO, KGW, KFSD, KTAW.
- **Dutch Leonard** 9:00-9:30 PM over KFWB.
- **Edwin D. Ginn** 9:00-9:30 PM over KFWB.
- **Emily Smith's Orchestra** 9:00-9:30 PM over KFWB.
- **Franklin K. and Orlando's Orchestra** (Mon.) 9:00-9:30 PM over KFWB.
- **Gene Beardslee's Orchestra** 9:00-9:30 PM over KFWB.
- **Gus Arnheim and Coconut Grove Orchestra** 9:00-9:30 PM over KFWB.
- **Hollywood Hill Billies** 9:00-9:30 PM over KFWB.
- **Horace Heidt** 9:00-9:30 PM over KFWB.
- **Jimmie podróż Allen** 9:00-9:30 PM over KFWB.
- **Jimmy Bittick's Townhouse Orchestra** (Mon.) 9:00-9:30 PM over KFWB.
- **Jimmie Johnston's Orchestra** 9:00-9:30 PM over KFWB.
- **Joa and Mi** (Tues.) 9:00-9:30 PM over KFWB.
- **KFWB's Orchestra** 9:00-9:30 PM over KFWB.
- **Laughn e-Harris Hotel** 9:00-9:30 PM over KFWB.
- **Manny King Orchestra** 9:00-9:30 PM over KFWB.
- **Mary Lou Trier's Orchestra** 9:00-9:30 PM over KFWB.
- **Mature's Orchestra** 9:00-9:30 PM over KFWB.
- **Mr. and Mrs. Hotel Co. Orchestra** 9:00-9:30 PM over KFWB.
- **Ole and His Orchestra** 9:00-9:30 PM over KFWB.
- **Val and his Orchestra** 9:00-9:30 PM over KFWB.
- **Vladimir Gvory's Orchestra** 9:00-9:30 PM over KFWB.
- **Walt Disney** 9:00-9:30 PM over KFWB.

### Southern California

- **KFWB, 10:30-11:00 PM**, Abe Lyman and His Orchestra. (Mon., Wed., Thurs.) 9:30 PM, Abe Lyman's Orchestra. (Mon., only).
February, 1931

RADIO DOINGS

Page Thirty-three

Symphony, Concert and Salon Orchestras

Columbia Broadcasting Co.—[2:00 Noon, New York Philharmonic Symphony Orchestra, Arturo Toscanini, conductor, klz KDYL KFYY KFJI KFRC. (Sunday.)]

5:30 PM, Toscanini and His King Edward Orchestra, (Wed.) KLZ KFQ KFYY KFRC.

1:00 PM, Curtis Institute of Music. (Fri.) KLZ KFQ KFYY KFRC.

8:30 PM, Homannelli and His King Edward Orchestra. (Fri.) KLZ.

National Broadcasting Co.—5:00 PM, Sunday Concert. KGQ.

8:00 PM, Symphony Concert. KTFI KISS KIWI KFKA. (KFSN)

6:15 PM, Atwater Kent concert. (Sun.) KHQ KFJO KGQ KFQ KFSN.

1:00 PM, Concert Journals. (Sun.) KGQ.

2:30 PM, KKHQ KFI KFQ KGW KEC.

8:00 PM, Rudy Seigel's Shell Symphonists. (Mon.) KGQ KFQ.

5:00 PM, Brazilian American program. (Tues.) KGQ

KJQ KFJO KGW KEC.

10:00 PM, National Concert Orches. (Tues.) KGW KOA.

7:00 PM, Standard Symphony Hour with Los Angeles Philharmonic Orchestra alternating with the San Francisco Symphony Orches. (Thurs.) KFIQ KFQ KFJO KGW KFQ.

6:00 PM, McLessson Musical Magazine. (Tues.) KGQ KFQ KGW KEC KFJO.

10:00 PM, Eastman School Symphony Orches. (Wed.) KGQ KFJO KGW.

Northwestern States

KGW—4:00 PM, Sunday Concert NRC. (Mon.)

8:00 PM, Shell Symphonists. (Mon.)

See NRC for other features.

KOMO—1:00 PM, Sunday Concert NRC. (Sun.)

8:15 PM, Shell Symphonists. (Mon.)

10:30 PM, Concert Orches. (Sun.)

8:00 PM, Concert Orches. on Monday.

1:05-6:00 PM, Concert Orches. on Tuesday.

1:00 PM, Concert Orches. and Tuesday.

2:15 and 2:00 PM, Concert Orches. on Thursday.

2:00 PM, Concert Orches. (Fri.)

2:00 and 6:00 PM, General Electric Orches. NRC. (Sat.)

KJR—8:00 PM, Damski's Imperial Grand Orches. (Sun.)

4:00 PM, Concert Ensemble. (Mon.)

8:30 PM, Damski's Wood-Wind Ensemble. (Tues.)

8:00 PM, Northwest Salon Orches. (Thurs.)

8:00 PM, Henry Damski's Neapolitians. (Wed.)

KKA—8:30 PM, Henri Damski's Orches. (Sun.)

4:00 PM, Concert Ensemble. (Mon.)

8:35 PM, Damski's Wood-Wind Ensemble. (Tues.)

8:00 PM, Henri Damski's Ensemble. (Wed.)

8:00 PM, Northwest Salon Orches. (Thurs.)

KGA—8:30 PM, Henri Damski's Orches. (Sun.)

4:00 PM, Concert Ensemble. (Mon.)

8:00 PM, Damski's Ensemble. (Wed.)

8:00 PM, Northwest Salon Orches. (Thurs.)

KDA—12:00 Noon, N. Y. Philharmonic orchestra. (Sun.)

(See CBS program for other features)

KOL—6:30 PM, Detroit Symphony Orches. (See CBS program)

KNX—6:00 PM, General Electric program with Walter Damrosch. (Saturday)

KOA—9:30 AM, Luncheon ensemble. (Ex. Fri.)

(See Columbia Broadcasting Co.)

Sport Talks, Athletic Events

National Broadcasting Co.—5:00 PM, Bobby Jones Golf Talk. (Every Wednesday) KFSD KFI KFSD KTAR.

KTMH—7:15 PM, Mrs. Jack James Sport program. (Sat.)

KFSD—7:30 PM, NHC, Grantland Rice Talk. (Wed. only)

KFWH—7:30 PM, R. W. Shirley's Sport Talks. (Mon. only)

KFSD—8:00 PM, Olymnic Orches. Program. (Wed. only)

KXN—8:45 PM, Broadcasting Main Events from Hollywood Legion Stadium. (Sat.)

KGFW—9:30 PM, Olympic Auditorium event. (Tues. only.)

9:30 PM, Wilmington Bowl. (Wed.)

KXN—7:30 PM, NHC, Grantland Rice Interview. (Wed. only)

KFNC—6:30 PM, Bobs, Noted Sports Authority. (Thurs. only)

8:45 PM, Pat Travers Talk. (Friday only)

KPO—6:00 PM, Tennis Talk by Geo. Hudson.

KHQ—5:00 PM, Bobby Jones Chat. (Fri.)

7:30 PM, NHC, Grantland Rice "Topnotchers." (Wed. only)

5:15 PM, Sport News. (Mon. only)

KGW—7:30 PM, Grantland Rice Sport Program, NHC. (Wed. only)

5:00 PM, Bobby Jones Chat. (Wed.)

KOMO—7:30 PM, Grantland Rice's Topnotchers. (Wed.)

KMO—9:00 PM, Wrestling Match from Greenwhich Coliseum. (Tues., only)

KJH—5:30 PM, Ken Stuart's Sport Talk. (Daily)

KGA—5:00 PM, Ken Stuart's Sport Talk.

9:30 PM, Wrestling Houts.

KJO—7:30 PM, NHC, Grantland Rice Sport Talk. (Wed. only)

KNL—7:30 PM, Grantland Rice Sportologicals. (Wed. only)

5 PM, Bobby Jones Sport Chat. (Wed.)

Travelogues and Book Reviews

National Broadcasting Co.—9:45 PM, The Reader's Guide. (Sun.) KXN

Columbia Broadcasting Co.—4:15 PM, The Early Bookworm. (Wed.) KFQ KFSC KLZ.

KFI—2:30 PM, Winnie Fields Moore, the Nomad Novelist. (Mon.) 2:15 PM, The Nomad Novelist. (Wed.)

3:00 PM, Los Angeles Public Library Book Reviews. (Monday)

12:30 PM, "Seeing Southern California." (Tues. and Fri)

KJH—3:15 PM, Los Angeles Public Library Book Review. (Wed. only)

5:00 PM, "Seeing Southern California." (Tues. & Fri)

3:30 PM, Magic Melodies. (Wed.)

KVV—5:00 PM, Travelogue. (Daily Ex. Sun.)

1:30 PM, Eddie Albright reading late fiction.

KGH—2:30 PM, Southern California. (Tues. & Fri)

KQJ—7:00 PM, Winnie Fields Moore, Nomad Novelist. (Thurs.)

KTV—4:30 PM, Books and Drama with Samuel B. Dickson. (Sunday)

KFWH—8:15 PM, "The Observer About New Books, Monroe Upton. (Wed.)

KVJ—4:45 PM, The Early Bookworm. (Tues.)

KLZ—4:45 PM, The Early Bookworm. (Tues.)

Don't fail to see page 28 for station identification of western stations.

www.americanradiohistory.com
Educational Features

National Broadcasting Co.—5:15 PM. 15 Minutes in the Nation's capital. KGO, KHQ, KSL, KFSD, KSD, KXV, KGS, (Mon. & Wed.)

1:15 PM. Pacific Coast School of the Air. KGQ, KCH, KTM, KFSD, KSD, (Tues. & Thurs.)

12:15 PM. Western Farm and Home Hour. KGO, KHQ, KXQ, KOMO, KFRC, KFSD, KSU, KTLT. (Sat. & Sun.)

Columbia Broadcasting Co.—5:00 PM. The World's Business. KFRC, KLZ, KFRC. (Sun.)

11:30 AM. Columbia School of the Air. (Ex. Sat.) KFRC, KXQ, KLZ, KFRC, (Sat.)

2:45 PM. Columbia Educational Series. KLZ, KOL, KFRC, (Sat.)

6:30 PM. National Radio Forum. KFRC, COL, KLZ.

KFSD—5:15 PM. Fifteen Minutes in the Nation's Capital. (Mon. only.)

4:45 PM. Back of the News in Washington. KGO, KOMO, KFRC, KFSD.

11:00 AM. Standard School Broadcast. KGO, KHQ, KOMO, KQV, KFQV, KFPR, (Tues.)

1:30 PM. Pacific Coast School of the Air. KGO, KHQ, KOMO, KGV, KHCA, KFSD, KSD. (Mon. & Wed.)

12:15 PM. Western Farm and Home Hour. KGO, KHQ, KXQ, KOMO, KFRC, KFSD, KSU, KTLT. (Sat. & Sun.)

Health Talks and Exercises

NORTHERN CALIFORNIA (Daily Ex. Where Indicated)

KJH—10:30 AM. Pure Food Talk.

KTM—1:45 PM. The Health Man. (Daily Ex. Sun.)

7:00 PM. Dr. H. Edward Myers "Care of the Teeth." (Monday only.)

KSY—8:30 AM. Clinic of the Air. (Tues.)

9:15 AM. Golden Rule Health Service Program. (Mon. & Thurs.)

KFD—Health Talk and Records

KPG—8:30 AM. Clinic of the Air. (Tues.)

9:15 AM. Golden Rule Health Service Program. (Mon. & Thurs.)

KFW—10:30 AM. Health Talk by Dr. T. G. Linebarger.

KIQ—11:30 AM. La Vida Health Program.

KFC—8:30 AM. Health Exercises, Louis Rube.

10:45 AM. Health Exercises, Louis Rube.

NORTHERN CALIFORNIA

KTB—10:30 PM. Dr. H. L. Corley. (Ex. Sun.)

1:30 PM. Dental Clinic. (Mon. and Thurs.)

KFWI—10:30 AM. Health Talk by Dr. T. G. Linebarger.

KGA—1:15 PM. Dental Lecture. (Ex. Sat.)

KQG—10:30 AM. Health Talk by Dr. T. G. Linebarger.

MV—10:15 AM. The Health Man.

KTA—7:00 AM. Drury's Daily Dose.

3:15 PM. Health Talk on Mon. and Thurs. and Sat.

NORTHWEST

KHQ—5:45 PM. Health Hints. (Mon. & Wed.)

1:00 PM. Dental Hygiene. (Ex. Thurs.)

KMO—12:45 PM. Tacoma Dairy Health Program.

KSY—3:30 PM. Dental Clinic of the Air. (Ex. Sun. & Sat.)

KJH—1:15 PM. Dental Lecture. (Ex. Sat.)

5:30 PM. Health Talk. (Ex. Sat. & Sun.)

KEA—1:15 PM. Dental Lecture. (Ex. Sat.)

KOL—5:30 PM. Tooth Talk. Dr. Hobson.

KGA—1:15 PM. Dental Lecture. (Ex. Sat.)

MOBILE STATES (Pacific Standard Time)

KQG—7:00 AM. Safeguarding your Food and Drug Supply. (Monday only.)

ARIZONA

KTAR—6:00 AM. YMCA Health and Happiness Hour.

Foreign Language Lessons

KNX—6:00 AM. French Lessons. (Tues. and Thurs.)

KFJ—11:45 AM. French Lessons by Annette Doherty. (Mon. and Wed.)

KFJ—12:30 PM. German Lessons by Dr. Annette Doherty. (Thurs.)

KFJ—9:30 AM. Spanish Lessons. (Tues. and Thurs.)

KCA—2:15 PM. German Lessons by Annette Doherty. (Tues. only.)

4:00 PM. Alexander Brevani, on the Italian language.

KPRC—2:45 PM. French Lessons by Dr. Thatcher Clark. (Sat. only.)

NVI—2:45 PM. French Lessons. (Sat. only.)

Light and Grand Opera

National Broadcasting Co.—9:00 PM. Chase and Sanborn Comic Opera program. (Sun.) KGO, KHQ, KOMO, KFQV, KTB, KTLT. (Fri.)

6:30 PM. Maxwell House Ensemble. KGO, KQV, KOMO, KGW, KFSC, KFSD, KTB.

Columbia Broadcasting System—2:00 PM. Light Opera Gems. (Fri.) KZL, KSL, KFSD, KSL, KFRC.

United Broadcasting Co.—7:00 PM. Opera Sketches. (Wed.) KBF, KML, KTCW, KQV, KML, KSL, KFQV, KMN, KFRC.

KFV—1:00 PM. Light Opera Records. (Sun.)

KGB—7:30 PM. Opera Sketches. (Wed.)

KFST—1:30 PM. Grand Opera. (Sun.)

KFRC—9:00 PM. "Poliferin." (Thurs.)

FOR COMPLETE STATION DIRECTORY SEE PAGE 28!
Programs for the Housewife

SOUTHERN CALIFORNIA (Daily Ex. Sun., Unless Indicated)

KVTW—9:00 AM. Mildred Kitchen Home Economics Expert.

KFW—9:15 AM. Miss Shoppi. (Daily)

10:00 AM. NBC Woman's Magazine of the Air. (Thurs.)

10:00 AM. NBC Woman's Magazine of the Air. (Thurs.)

10:00 AM. NBC Woman's Magazine of the Air. (Thurs.)

10:00 AM. Color Harmony XNC. (Tuesday only.)


KMP—2:00 PM. Over the Tea Cups with Nell Cleary.

KJH—2:00 PM. Kathleen Clifford Beauty Talks.

9:30 AM. Feminine Fancies. (Ex. Saturday.)

10:30 AM. Pure Food Talks. (Ex. Tuesday.)

6:00 PM. Peggy Hamilton. Romance of Fashion. (Tuesday only.)

KFW—10:00 AM. Prudence Penny.

KFX—10:30 AM. Hints to Housewives.

KFX—9:00 AM. Radio Shopping News. C. P. R.

10:30 AM. Home Economics Talk by Kate Brew Vaughan

KFXO—9:00 AM. Beauty Talk.

KGER—9:00 AM. Polly and Gene.

9:45 AM. Color Chat.

KGL—10:00 AM. Blanche Wood's Shopping Tour.

KCEA—11:30 AM California Federation of Women's Clubs.

(Monday only.)

9:15 AM. Grace Hale. speaker. (Ex. Fri. & Sat.)

NORTHERN CALIFORNIA

KTAH—10:00 AM. Household Hour. Alma La Mar.

11:00 AM. Mary Lewis Haines Domestic Science Talk.

11:15 AM. Mary Lewis Haines Domestic Science Talk.

(Ex. Saturday.)

9:00 AM. Mildred Kitchen's Household Talk. (Tuesday and Thursday only.)

3:00 PM. Colonial Dames Beauty Talk. (Monday only.)

KPO—10:30 AM. NBC Woman's Magazine of the Air. (Thursday at 9:00 AM.)

11:30 AM. Julia Hayes' Helpful Hints to Housewives. (Thursday at 11:00 AM.)

11:45 AM. Helen Gordon Barker Art Talk. (Monday only.)

KHOW—2:30 PM. Betty, the Shopper.

KVA—12:15 PM. Parent-Teachers' Association. (Monday only.)

NORTHWEST

KIQ—10:30 AM. Woman's Magazine of the Air. Thursday at 9:00 AM.

9:30 AM. Hetty Crocker Talks. (Wed.)

10:00 AM. Josephine Gibson's Food Talk. (Monday and Friday only.)

10:15 AM. Mary Hale Martin. (Wednesday only.)

12 Noon. Edna Wallace Hopper Beauty Talks. (Wed. & Fri.)

KGW—9:15 AM. Cooking School.

10:15 AM. Hetty Crocker. (Wed.)

10:15 AM. Josephine Gibson's Food Talk. (Monday & Wednesday only.)

10:30 AM. Woman's Magazine of the Air. (Thursday at 10:00 AM.)

11:00 AM. Julia Hayes Talk. (Monday and Tuesday only.)

KVI—9:30 AM. Feminine Fancies. (Ex. Saturday.)

KMO—11:00 AM. Tips on the Shoppe Market.

KOM—10:00 AM. Woman's Magazine of the Air. (Thursday at 10:00 AM.)

11:45 AM. Barbara Gould. (Thurs.)

10:00 AM. Color Harmony. (Tues.)

12 Noon. Prudence Penny.

9:45 AM. Way to a Man's Heart.

KAB—8:30 AM. Thrift Home of the Air.

9:15 AM. Mary Frances Proctor's. (Ex. Saturday.)

10:15 AM. Josephine Gibson's Program. (Ex. Saturday.)

KXS—9:15 AM. Domestic Science Talk. (Ex. Saturday.)

KGL—9:15 AM. Mom.

MOUNTAIN STATES (Pacific Standard Time)

KOA—10:30 AM. Woman's Magazine of the Air. (Thursday at 10:00 AM.)

8:00 AM. Your Child. (Tuesday only.)

8:15 AM. Radio House-Id Institute. (Wed.)

10:15 AM. Mary Hale Martin. (Wednesday only.)

2:30 PM. A Recipe a Day. (Monday only.)

KTV—9:00 AM. Home Economics Program.

9:30 AM. Housewives Presents.

10:00 AM. A Visit with Mrs. Jennie Lee.

9:15 AM. Dietary Discussions. (Monday and Thursday)

10:30 AM. Helen Webster. (Monday and Wednesday only)

10:50 AM. Ann Holden. (Monday and Thursday only.)

10:15 AM. Favorite Recipes of Mary Hale Martin. (Wednesday only.)

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A COMPLETE DIRECTORY TO WESTERN STATIONS APPEARS ON PAGE 28

SCHEDULE OF NARRATIVE BROADCASTS

Plays, Stories, Dramatic Readings

(Limited Broadcasting, Dramatic Readings

8:30 PM. Dramatic Program. (Mon., Tues. & Thurs.)

KOKE XXL, KXII KXII KXII KXII KXII KXII

8:00 PM. Detective Stories. (Fri.) KGI KFVII KTM KTA KORE XXL, KXII KXII KXII KXII KXII KXII

3:00 PM. — Detective Stories. (Mon.) KGL KPFVII KPM KTAA KORE XXL, KXII KXII KXII KXII KXII KXII

7:00 PM. — Detective Stories. (Mon.) KGL KPFVII KPM KTAA KORE XXL, KXII KXII KXII KXII KXII KXII

9:15 PM. NBC Drama Hour. KGO KOMO KGW. (Wed.)

9:30 PM. The Story Teller. (Thurs.) KGI

10:00 PM. — Radio Guild. (Fri.) KGO KOMO KCEA KPSF KTSR

9:30 PM. — Mystery Serial. (Fri.) KGI KSI KSL

9:00 PM. — Adventures of Sherlock Holmes. (Mon.) KGI KHF KPSF KTF

9:30 PM. — Jack and Ethyl's KIOH KMGW KPGI

10:00 PM. Matinee Story Time. (Daily Ex. Sat.)

1:00 PM. Radio Guild. (Fri.)


9:00 PM. Adventures of Sherlock Holmes. (Mon.)

10:00 PM. — Tom Terriss. "Vagabond Movie Director."

9:30 PM. Dramatic Sounds. (Daily Ex. Sat. & Sun.)

8:00 PM. — O. Neuen. Gammel. (Mon.)

KJH—6:00 PM. Prof. Lindsey and Leigh Harline. Reading with Organ. (Thurs.)

7:00 PM. Jo and Vi. (Tues.)

9:00 PM. "Polferga," Serial Comic Opera of the Air. (Thurs.)

6:15 PM. Times Programming. (Daily.)

7:00 PM. — Hank Simon's Show Boat. (Sat.)

7:30 PM. — Don Amaizo. (Mon.)

5:30 PM. Black and Blue. (Daily Ex. Sat.)

KFW—8:00 PM. Album of Familiar Faces. (Daily Ex. Sun.)

6:45 PM. Cecil and Sally. (Daily Ex. Sun.)

KXX—3:30 PM. Eddie Albright's Reading of Late Fiction. (Daily.)

8:00 PM. KXN Players directed by Georgia Pinfield. (Tues.)

KGER—6:30 PM. Frank Austman. (Sun.)

KFOX—9:30 PM. Detective Story. (Thurs.)

KGL—8:00 PM. Album of Familiar Faces. (Sun.)

KCEA—5:00 PM. Nick Harris Detective Story Program. (Sun.)

8:30 PM. Raine Bennett, Poet of the Air. (Sun.)

7:30 PM. NBC Empire Builders, Dramatization of the West. (Monday.)

9:30 PM. NBC Memory Lane. (Tues.)

NORTHERN CALIFORNIA

KTAH—8:30 PM. Dramatic Sketch from UHC. (Mon., Tues. & Thurs.)

KFCR—5:30 PM. Fred Renfro Players. (Sun.)

7:00 PM. "Jo and Vi." (Tues.)

9:00 PM. "Polferga," Comic Opera of the Air. (Thurs.)

7:00 PM. — Hank Simon's Show Boat. (Sat.)

KQW—1:30 PM. Story Time. (Daily Ex. Sun.)

KPO—8:00 PM. KPO Players. (Sun.)

6:15 PM. Cecil and Sally. (Daily Ex. Sat.)

KQH—7:30 PM. Empire Builders. (Mon.)

KVA—9:30 PM. KYA Players. (Mon.)

8:00 PM. KYA Players. (Tues.)

NORTHERN WESTERN STATES

KGW—9:00 PM. "On to Oregon," Dramatization. (Fri.)

7:30 PM. Empire Builder's Program, NBC. (Mon.)

9:30 PM. Empire Builder's Program, NBC. (Mon.)

KOMO—7:30 PM. Empire Builder's Program, NBC. (Mon.)

KVI—9:30 PM. "Polferga," Comic Opera of the Air. (Thurs.)

KOL—9:00 PM. "Polferga," Comic Opera of the Air. (Thurs.)

7:00 PM. — Hank Simon's Show Boat. (Sat.)

7:00 PM. Jo and Vi. (Tues.)

7:30 PM. Don Amaizo's Adventures. (Mon.)

INTERMOUNTAIN STATES

KOA—9:30 PM. Empire Builders. (Mon.)

KSB—7:30 PM. Mystery Serial, NBC. (Fri.)

KSL—2:00 PM. Radio Matinee. (Daily Ex. Sun.)

9:30 PM. Dramatic Readings and Music. (Thurs.)

7:30 PM. Empire Builders. (Mon.)

KDL—5:30 PM. Arabesque, a Desert Play. (Mon.)

7:30 PM. — Don Amaizo. (Mon.)

7:30 PM. — Don Amaizo. (Thurs.)

9:00 PM. "Polferga." (Thurs.)

7:00 PM. — Hank Simon's Show Boat. (Sat.)

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Religious Services and Talks for Sunday

**National Broadcasting Company**—12:00 Noon, National Youth Sunday School. KGO KQW KGK. 1:00 PM, Dr. S. Parkes Cadman KGO KHQ KOMO KGW KFRT. 2:00 PM, National Vespers KGO KHQ KOMO KGW KFBK. 3:00 PM, Catholic Hour KHQ KOMO KGW KECF KTAJ. 7:00 PM, Parkes’ Sunday Evening. **Columbia Broadcasting Co.**—11:00 AM, Catholic Hour KLZ KVI KPFY KDWL. 10:30 AM, Temple Baptist Church. 4:00 PM, Levi Castlegberg, “Advanced Thoughts.” 3:00 PM, Column of the liar’s Day. Saints. 9:00 AM, I. B. S. A. Watchtower. 11:00 AM, First M. E. Church of Los Angeles. 12:00 PM, Rabbi Magnin. **KNX**—10:00 AM, Religious Service. 11:00 AM, Inspirational Bible Recordings. 11:00 AM, First Presbyterian Church of Hollywood. 1:00 PM, Watchtower I. B. S. A. Program. 4:00 PM, KFWJ. 4:30 PM, Dr. John Matthias; First Radio Church of the Air (11:00 AM on Fridays). 6:30 PM, Dr. Theo Curtis Abel of Hollywood Humanist Society. 8:00 PM, First Presbyterian Church of Hollywood. 8:00 PM, Daily Except Sunday—Inspirational Talk and Devotional Hour. 6:30 PM, Saturday—Announcement of leading Los Angeles Church Services.

**KFSG**—8:00 AM, Sabbath Sunlight Service. 10:30 AM, Sunday Morning. 2:30 PM, Dispensational Message. 6:30 PM, Evangelistic Service. 7:00 AM, Daily Evening, Family Altar Service. 1:00 PM, Wednesday and Saturday. Divine Healing. 3:00 PM, Thurs., Baptist Assembly. 3:00 PM, Thurs. and Fri. Bethesda Hour. 9:00 AM, Radio Sunday School. 10:00 AM, Bible Study. 10:15 AM, Sunday Church Service. 5:00 PM, Vesper Hour. 7:00 PM, Trinity Church Service. 9:00 PM, South Park Christian Church Deer. 9:30 PM, Tues. Torrance Methodist Church. 7:00 PM, Wed., Corry Bible Church. 7:00 PM, Radio Revival. (Thurs.)

**KTHI**—8:00 AM, Church of the Open Door. 8:00 AM, National Catholic Church. 8:15 AM, Daily Except Sunday, Devotional Service. 8:45 AM, Gospel Service. (Daily Ex. Sun.) 2:00 PM, Visiting Pastors. 1:00 PM, Devotional Bible Study. (Ex. Mon. and Sun.) 10:30 AM, Bible Study. (Daily.)

**KGHR**—9:30 AM, Bible Class. 10:00 AM, Calvary Church. 5:30 PM, Catholic Church.

**KFOX**—11:00 AM, St. Luke’s Episcopal Church. 2:30 PM, American Church of the Air. 8:00 PM, First Church of Christ, Scientist. **KFXM**—8:00 AM, Sunshine Hour. (Wed. only.) 4:00 PM, Rev. Olson’s Hour. 6:00 PM, L. D. S. Service. 3:30 PM, L. D. S. Service. (Tues.) 10:00 AM, Watch Tower Service. **KFC**—10:30 AM, National Oratorio Society. 11:00 AM, National Church of Christian Science. 3:00 PM, Catholic Hour. **KTAH**—10:00 AM, Bible Class from 10th Ave. Baptist Church. 11:00 AM, Church Services from 10th Ave. Baptist Church. 1:00 PM, National Church of the Latter Day Saints. 7:30 PM, Church Services. 9:30 PM, Daily-Morning Prayers.

**KPO**—10:15 AM, Interdenominational and Non-sectarian Church Services. 1:00 PM, S. Parkes Cadman Cathedral Hour. 3:00 PM, Catholic Service. 11:30 AM, Daily Except Sunday. Scripture Readings. **KFWJ**—9:00 AM, Church of Christ, Scientist. **KHOW**—10:15 AM, Watchtower Program. 1:00 PM, Watchtower Program. 6:00 PM, Watchtower Program. 9:00 PM, Watchtower Service. 9:00 PM, Watchtower Service. (Tues.)

**KQW**—10:15 AM, Sunday School Lessons. 11:00 AM, Morning Services, First Baptist Church. 7:30 PM, Evening Services. **KYA**—10:15 AM, Old St. Mary’s Church. 8:00 PM, American Church of the Air. (Daily Ex. Sun.)

**KJH**—11:00 AM, Central Methodist Episcopal Church. 3:30 PM, Catholic Service. 12:00 Noon, National Youth Conference. 3:00 PM, Catholic Church. 7:45 PM, Seth Parker’s Program. 9:00 AM, First Unitarian Church. 11:15 AM, Plymouth Congregational Church. 12:15 PM, National Youth Conference. 1:00 PM, S. Parkes Cadman. 2:30 PM, National Catholic Society.
Organ Concerts

INTERNATIONAL STATES

KOA—8:30 AM. Organ Melodies. (Mon. & Sat.)
12:00 AM. Organ Program. (Mon.)
10:30 AM. Organ Recital. (Wed.)
1:15 AM. Organ Melodies. (Fri.)

KSL—8:15 PM. Mormon Tabernacle Great Organ. (Sun.)
8:45 PM. Organ Recital. (Tues.)
10:30 PM. Organ Concert. (Wed. & Fri.)

KBYI—7:00 AM. Organ Vignettes. (Daily.)
6:00 PM. Gold Medal Organist. (Wed.)
10:15 AM. Organ Melodies. (Fri.)

News, Stock Market Reports, Weather

Financial Reports. (Daily Ex. Sunday.)

National Broadcasting Co.—8:00 AM. Financial Service. (Daily.)
KGO—4:45 PM. News Service. KGO (Mon., Thurs. & Fri.)
5:45 PM. News Service. KGO (Tues. & Wed.)
5:00 PM. News Service. KGO (Sat.)

United Broadcasting Co.—10:00 PM. Hughespaper of the Air.

SOUTHERN CALIFORNIA

KWTH—11:45 AM. Public and City Officials.
8:00 AM. News. Los Angeles Record News.
12 Noon. World in Review.
3:45 PM. Reporter of the Air.

KFSD—5:45 PM. San Diego Union News Report.

KFI—10 AM. Wall street Financial News.
7:30 AM. Opening Stock Market Quotations.
12:15 PM. Federal and State Market Reports.
4 PM. KFI-KECA Editorial Review.
5:45 PM. Closing Stock Market Reports.

KMPC—12 PM. Livestock Report.
9:00 AM. Radio News Service.
1:15 PM. Radio News Service.
4:00 PM. Radio News Service.

KJH—12:30 PM. World Wide News (L.A. Times.)
4:45 PM. World Wide News.
10:00 PM. World Wide News.
7:30 AM. Stock Exchange Reports.

KFWR—8:00 AM. Country Editor of the Air.

KXN—3:15 PM. Monday. Lost and Found Reports.
3:25 PM. Tuesday. Lost and Found Reports.
3:00 PM. Wednesday. Lost and Found Reports.
3:25 PM. Friday. Lost and Found Reports.
3:30 PM. Thursday. Lost and Found Reports.
1:25 PM. Saturday. Lost and Found Reports.
8:00 PM. Nightly Frost Warnings for Citrus Growers.

KGFJ—5:00 PM. Market Reports.

8:30 PM. 9:00 and 10:00 PM. Frost warnings.

4:00 PM. Press Telegram News Report.

KGHI—4:25 PM. News Flash.
5:30 PM. Lost and Found Ads.

KGEH—4:00 PM. News Brevities.
8:30 AM. News, weather, etc.

KIPW—8:00 AM. World Wide News.
12:45 PM. World Wide News.
6:00 PM. World Wide News.

KECA—10:30 PM. KFI-KECA Editorial Review.

NORTHERN CALIFORNIA

KFRC—7:30 AM. N. Y. Stock Quotations.
11:25 AM. S. F. Call-Bulletin News Items. (11:10 AM. Mon. & Thurs.)
1:00 PM. Closing Stock Market Reports. (1:15 PM. Mon.)
1:05 PM. S. F. Call-Bulletin News Items. (1:10 PM. Monday.)
5:30 PM. S. F. Call-Bulletin News Items. (4:45 PM. Monday.)

KPO—2:50 PM. Ye Towne Crier. (Sat. 3:00 PM.)
5:45 PM. News Digest with Scotty Mortland.

12:30 PM. Market Report.
6:00 PM. C. S. D. A. Farm Flash.
6:30 PM. S. F. Market Place.
7:00 PM. Farm Bureau Radio News.
7:05 PM. News Dispatcher.

KVA—12:45 PM. News casting.
6:45 PM. Delivery of Stock Yard Prices and Quotations.

NORTHWEST

KIQ—7:00 AM. The Towne Crier.
1:15 PM. Farm Markets.

KGW—1:46 PM. Town Crier.

KWO—10:00 AM. Town Crier.

KOMO—11:30 AM. Farm Talk; grain and Food Reports.
10:45 PM. News Flash. (10:00 PM. Sat.)

KJH—7:40 AM. Stock Reports.
12 PM. World in Review.
5:30 PM. News Casting.
5:40 PM. Market Reports.

KVA—7:00 AM. Oregon Journal News.
12:00 PM. Weather Reports.
11:30 PM. Police Reports.

KGA—6:45 AM. News.
3:30 PM. News Casting.

MOUNTAIN STATES

KOA—11:30 AM. Monday, weather, stocks, markets, livestock. (P. S. T.)
10:50 AM. Tuesday, weather, stocks, markets, livestock.
10:55 AM. Friday, weather, Stocks, Markets, Livestock.
11:30 AM. Wednesday, weather, stocks, markets, livestock.
11:00 AM. Thursday, weather, etc.
1:00 PM. Monday, weather, stocks, etc.
4:05 PM. Monday, weather, stocks, markets, livestock.
4:15 PM. Tuesday, weather, stocks, etc.
4:35 PM. Wed., Thurs., Fri. & Sat., weather, stocks, etc.

KDA—7:30 AM. News flashes. Police Bulletins.

Bridge Lessons

KFSQ—4:00 PM. Bridge Lessons. (Tues. only.)

KFWH—8:00 PM. Bridge Lesson. (Tues.)

KFXV—8:00 PM. Bridge Lesson. (Tues.)

KPO—1:00 PM. Bridge Game. (Tues. only.)

KAYA—3:15 AM. Willis Boardman Zink, Authority on Contract Bridge. (Wed. & Fri.)

KIQ—10:00 PM. Bridge Lesson. (Mon.)

KGW—2:30 PM. Auction Bridge. (Wed.)

KQO—9:00 PM. Bridge Game. (Wed. only.)

KJH—8:45 PM. Bridge Game. (Wed. only.)

KVA—5:45 PM. Bridge Lessons. (Tues. only.)

For the Youngsters

SOUTHERN CALIFORNIA (Daily Except Where Indicated)

National Broadcasting Co. 2 PM—Maltime Program. (Mon.)

KMG—2:00 PM. Maltime Story Time. (Mon.)

KFI—4:14 PM. Big Brother Don (Ex. Sat.)
3:00 PM. Baron Keyes, The Story Man. (Ex. Sat.)

KMP—8:30 AM. Bob, Bunny and Junior.
4:15 PM. Just Kids Club. (Ex. Mon. Wed. & Sat.)

KJH—5:30 PM. Black and Blue. (Ex. Sun.)

KKN—5:15 PM. Big Brother Ken's Kiddies Hour.

KPSG—4:00 PM. Kiddies' Hour. (Fri. only.)

KTH—6:00 PM. Aunt Martha's Children's Program. (Sun.)

NORTHERN CALIFORNIA

KFW—7:00 PM. Child Guidance Forum. (Tues.)

KPO—5:00 PM. Big Brother (Ex. Mon.)

KLA—5:30 PM. Big Brother's Club.

KGV—1:40 PM. Baron Keyes's Story Castle.

NORTHWEST

KGW—5:00 PM. Franz's Children's Hour. (Wed.)

KJR—5:15 PM. Baron Keyes and His Air Castle.

KQO—5:00 PM. Uncle Frank's Story Hour. (Ex. Sat.)

KGA—5:15 PM. Uncle Frank's Story Hour. (Ex. Sat.)

MOUNTAIN STATES (Pacific Standard Time)

KRA—1:06 PM. Story Hour. (Mon.)

WANTED—Television receiving set in working order. To man possessing such a set permanent position is waiting. Write RADIO DOINGS, Box S or phone WE 3024.

FOR COMPLETE STATION DIRECTORY SEE PAGE 28!
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<th>Time</th>
<th>Program/Event</th>
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<tr>
<td>10:00</td>
<td>National Broadcasting Company (Sunday)</td>
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<tr>
<td>11:00</td>
<td>The Adventures of Detectives (Black and Blue)</td>
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<tr>
<td>12:00</td>
<td>Foilgeria (Family Hour)</td>
</tr>
<tr>
<td>1:00</td>
<td>Tapestries of Life (Forest Lawn)</td>
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<td>4:00</td>
<td>RADIO PROGRAMS THAT CLICK!</td>
</tr>
</tbody>
</table>

**RADIO DOINGS**

February, 1931

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**National Broadcasting Co.**

**SUNDAY**

8:00 AM - Popular Symphony Concerts

9:00 AM - Breakfast with Sperry KJH

9:30 AM - Classical Music

10:00 AM - National Days of KGO KECA KFSD

11:00 AM - Grace Cathedral Service

12:00 PM - Youth Conference

1:00 PM - The: Parkes Cadman KGO KFSD KFSD

2:00 PM - Concert Jewels KGO

3:00 PM - National Vespers KGO KHQ

4:00 PM - Musical Moods KGO

5:00 PM - RCA Victor Program KGO

6:00 PM - Sunday Concert KGO KFSD

7:00 PM - National Singers and Sunday

8:00 PM - Shell Happytime KHQ KGO KFSD

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**The Adventures of Detectives**

5:30 to 5:45 P.M. Daily (Except Saturday and Sunday)

**KFRC, KJH—KMJ**

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**Foilgeria**

Every Thursday, 9 to 9:30 P.M.

And the Columbia Chain

---

**TAPESTRIES OF LIFE** (FOREST LAWN)

Every Tuesday, 8 to 9 P.M.

**KHJ**

---

**Radio Programs That Click!**

All Produced and Directed by

**HARRY A. FARNSHAW and RAYMOND R. MORGAN**

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FOR COMPLETE STATION DIRECTORY SEE PAGE 28!
RADIO DOINGS

February, 1931

Page Thirty-nc

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City State

A COMPLETE DIRECTORY TO WESTERN STATIONS APPEARS ON PAGE 28
COLUMBIA BROADCASTING SYSTEM

SUNDAY
9:00 AM—Jewish Art Program, Talks, and Music KDLY KVI KFRC
9:30 AM—London Broadcast KLY KVI KFRC
9:45 AM—H. M. Canadian Grenadier Guards Broadcast from Montreal KLY KVI KFRC
10:30 AM—Conclave of Nations, directed by Channon Collinge KLY KVI KFRC
11:00 AM—Cathedral Hour. All musical presentation of a cathedral service KLY KVI KFRC
12:00 Noon—New York Philharmonic Orchestra KLY KVI KHJ KFRC
2:30 PM—The French Trio KLY KVI KFRC
5:00 PM—Devil, Drugs and Doctors KLY KOL KHJ KFRC
5:15 PM—U.S. School of Music KLY KOL KFRC
5:45 PM—The New World Symphony KOL KFRC
6:00 PM—Around the Samovar KLY KOL KFRC
6:30 PM—Dixie Symphony (Orchestra KLY KOL KFRC KOL KHJ KFRC)
7:00 PM—Jesse Crawford, Royal Poet of the Organ KLY KOL KOIN KHJ KFRC

MONDAY
5:45 AM—The Old Dutch Girl KLY KOL KFRC
6:00 AM—Something for Everyone KLY KOL KFRC KOIN KHJ KFRC
9:00 AM—Paul Tremaine and His Yoeng's Restaurant Orchestra KOL KFRC
9:30 AM—Columbia Radio KLY KVI KFRC KOIN KHJ KFRC
11:00 AM—Columbia Artists Recital KLY KOL KHJ KFRC
11:30 AM—American School of the Air KLY KOL KFRC KOIN KHJ KFRC
12:00 Noon—Columbia Salon Orchestra, Emery Deutsch, director KOL KFRC
12:30 AM—Ann Leaf at the Organ KOL KOL KFRC KFRC
1:00 PM—Radio Listening Test KOL KOL KFRC KHJ KFRC
1:30 PM—U.S. Army Band KOL KOL KFRC KHJ KFRC
1:30 PM—Wordman Park Hotel Orches- tra, dance music KOL KOL KFRC KHJ KFRC
2:00 PM—Gypsy Music Makers, Emery Deutsch and his Orchestra KOL KFRC KHJ KFRC
2:45 PM—Virginia Arnold, pianist KLY KOL KFRC KHJ KFRC
3:00 PM—Paul Tremaine and Orchestra KOL KFRC KHJ KFRC
3:45 PM—Tony's Scrap Book KOL KFRC KHJ KFRC
4:00 PM—Current Events, H. V. Kallen- born KOL KFRC KHJ KFRC
4:15 PM—The Wagabonds KOL KFRC
5:30 PM—Arabesque, Devert Play KOL KFRC
6:00 PM—The Three Bakers KLY KOL KFRC KHJ KFRC
6:30 PM—Houlia, An Evening in Paris KOL KFRC KHJ KFRC
7:00 PM—Guy Lombardo and his Orchestra KOL KOL KFRC KHJ KFRC
7:30 PM—Domenico KOL KFRC KOIN KHJ KFRC KHJ KFRC
8:15 PM—Columbia Radio Column, Heywood Broun KOL KFRC KHJ KFRC
8:30 PM—Fletcher Henderson and His Orchestra KOL KFRC

DON'T FAIL TO SEE PAGE 28 FOR STATION IDENTIFICATION OF WESTERN STATIONS!

RADIO DOINGS

TUESDAY
6:15 AM—Something for Everyone, Mus- ical News, Humor, Poetry KOL KFRC
6:30 AM—Morning Moods, Nat Brus- loff and his Orchestra KOL KFRC
9:00 AM—Paul Tremaine and his Yoeng's Restaurant Orchestra, dance music KOL KOL KFRC KHJ KFRC
9:30 AM—Columbia Revue KOL KFRC
11:00 AM—The Four Boys KOL KFRC KOL KFRC KHJ KFRC
11:30 AM—American School of the Air KOL KFRC KHJ KFRC
12:00 Noon—Columbia Salon Orchestra, Emery Deutsch, director KOL KFRC
12:30 PM—Pancho and his Orchestra, dance music KOL KOL KFRC KHJ KFRC
1:15 PM—Italian Idyl, Vincent Sorey and his Orchestra KOL KOL KFRC KHJ KFRC
1:30 PM—Columbia Artists' Recital KOL KFRC KOL KFRC KHJ KFRC
2:00 PM—J. W. Harris, Kings, Nat Brus- loff and his Orchestra KOL KFRC
2:30 PM—Bert Lown and his Billmore Orchestra, dance music KOL KFRC
2:30 PM—Harry Tucker and his Barclay Orchestra, dance music KOL KFRC
3:15 PM—Tony's Scrap Book KOL KFRC KHJ KFRC
4:00 PM—Morton Downey KOL KFRC
4:15 PM—Columbia Educational Features The Political Situation in Washington KOL KFRC KHJ KFRC
4:45 PM—Premier Salad Dressers, Collins O'More, tenor and premier chef KOL KFRC KHJ KFRC
7:15 PM—The Gypsy Trail KOL KFRC
7:30 PM—Paramount Public Radio Playhouse, Guest Screen Stars KOL KOL KFRC KHJ KFRC KHJ KFRC
8:00 PM—Paul Tremaine and his Yoeng's Orchestra KOL KFRC KHJ KFRC
8:30 PM—Mickey Alpert and Orchestra KOL KFRC KHJ KFRC

WEDNESDAY
6:00 AM—Something for Everyone, music, news, humor, poetry KOL KFRC KHJ
6:30 AM—Morning Moods, Vincent Sorey and his Orchestra KOL KFRC
9:00 AM—Paul Tremaine and his Yoeng's Restaurant Orchestra, dance music KOL KFRC
10:30 AM—Pickle Packers Program KOL KFRC KHJ KFRC
11:30 AM—Columbia Artists Recital KOL KFRC KHJ KFRC
11:30 AM—American School of the Air KOL KFRC KOIN KHJ KFRC
12:00 Noon—U.S. Marine Band Concert KOL KFRC KHJ KFRC
12:45 PM—Columbia Educational Features KOL KFRC KHJ KFRC
1:00 PM—Curtis Institute of Music KOL KFRC KHJ KFRC
1:45 PM—Ithaca Ramblers KOL KFRC KHJ KFRC
2:00 PM—Light Opera Gems KOL KFRC
2:45 PM—Ebony Twins, piano duo KOL KFRC
3:00 PM—Winnebago's Barn Orchestra KOL KFRC
4:15 PM—Morton Downey KOL KFRC KHJ KFRC
4:15 PM—Howard's Lamin's St. Moritz Orchestra KOL KFRC KHJ KFRC
5:15 PM—Grand Opera Miniatures KOL KFRC KHJ KFRC
7:00 PM—Columbia Male Chorus KOL KFRC KHJ KFRC
7:30 PM—Nit-Wit Hour KOL KFRC
8:30 PM—Romanelli and his King Edward Orchestra from Toronto, dance music KOL KFRC

THURSDAY
5:45 AM—Morning Minstrels KOL KFRC
6:00 AM—Something for Everyone KOL KFRC
9:00 AM—Paul Tremaine and his Yoeng's Restaurant Orchestra KOL KFRC KHJ KFRC
11:30 AM—American School of the Air KOL KFRC KHJ KFRC
12:00 Noon—United States Navy Band KOL KFRC KHJ KFRC
1:00 PM—Asbury Park Casino Orchestra, dance music KOL KFRC KHJ KFRC
1:30 PM—Melody Magic KOL KFRC KHJ KFRC KHJ KFRC
2:30 PM—Bert Lown and his Billmore Orchestra KOL KFRC
3:00 PM—Paul Tremaine's Orch KOL KFRC KHJ KFRC
3:30 PM—Pancho and His Orch KOL KFRC
3:45 PM—Tony's Scrap Book KOL KFRC KHJ KFRC
4:30 PM—Voice of Columbia KOL KFRC KHJ KFRC
6:00 PM—Savinio Tone Pictures KOL KFRC KHJ KFRC
7:00 PM—The Lutheran Hour—Dr. Walter A. Maiier, large choir and organist KOL KFRC KHJ KFRC
8:00 PM—Helen Bernie and his Orchestra KOL KFRC
9:00 PM—Folgeria comic opera of the air KOL KFRC KHJ KFRC KHJ KFRC

FRIDAY
6:00 AM—Something for Everyone KOL KFRC
6:30 AM—Morning Moods KOL KFRC
9:15 AM—Paul Tremaine's Orch KOL KFRC KHJ KFRC
11:00 AM—Columbia Artists Recital KOL KFRC KHJ KFRC
11:30 AM—American School of the Air KOL KFRC KOIN KHJ KFRC
12:00 Noon—U.S. Marine Band Concert KOL KFRC KHJ KFRC
12:45 PM—Columbia Educational Features KOL KFRC KHJ KFRC
1:00 PM—Curtis Institute of Music KOL KFRC KHJ KFRC
1:45 PM—Ithaca Ramblers KOL KFRC KHJ KFRC
2:00 PM—Light Opera Gems KOL KFRC
2:45 PM—Ebony Twins, piano duet KOL KFRC
3:00 PM—Winnebago's Barn Orchestra KOL KFRC
4:15 PM—Morton Downey KOL KFRC KHJ KFRC
4:15 PM—Howard's Lamin's St. Moritz Orchestra KOL KFRC KHJ KFRC
5:15 PM—Grand Opera Miniatures KOL KFRC KHJ KFRC
7:00 PM—Columbia Male Chorus KOL KFRC KHJ KFRC
7:30 PM—Nit-Wit Hour KOL KFRC
8:30 PM—Romanelli and his King Edward Orchestra from Toronto, dance music KOL KFRC

SUNSET
AERIAL AND GROUND

For Greater Pick-up and Selectivity

Ideal for DX Reception

The Selective Aerial........$3.00
The Positive Aerial........$6.25
The Super-Ground........$8.00

SUN-SET MFG. CO.
1114 N. Sycamore
JE 4941
<table>
<thead>
<tr>
<th>Time</th>
<th>Program</th>
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<tbody>
<tr>
<td>7:00 PM</td>
<td>Calendar of the Air KVOS KXA KXL KKMED KORE KTAB KGK</td>
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<tr>
<td>7:30 PM</td>
<td>Calendar of the Air KVOS KXA KXL KKMED KORE KTAB KGK</td>
</tr>
<tr>
<td>7:45 PM</td>
<td>Novelty KVOS KXA KXL KKMED KORE KTAB KGK</td>
</tr>
<tr>
<td>8:00 PM</td>
<td>Hi-Way Highlights KTM KTAB KGH</td>
</tr>
<tr>
<td>8:30 PM</td>
<td>Dramatic Program KVOS KXA KXL KKMED KORE KFWB KGK</td>
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<tr>
<td>9:00 PM</td>
<td>Phantom of Broadway KVOS KXA KXL KKMED KORE KGK</td>
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<tr>
<td>10:00 PM</td>
<td>Hughespaper of the Air KVOS KXA KXL KKMED KORE KTAB KGK</td>
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**WEDNESDAY**

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<tr>
<th>Time</th>
<th>Program</th>
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<tbody>
<tr>
<td>8:00 AM</td>
<td>Bill Sharpleys and His Gang, KVOS KXA KXL KKMED KORE KTAB KGK</td>
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<tr>
<td>8:30 AM</td>
<td>Zoro the Astrologist, KXA KXL KKMED KORE KTAB KGK</td>
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<tr>
<td>9:00 AM</td>
<td>Modern Girl Philosopher KXX KXL KORE KGK KKMED</td>
</tr>
<tr>
<td>9:30 AM</td>
<td>Musical Contrasts KVOS KXA KXL KKMED KORE KFWB KGK</td>
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<tr>
<td>10:00 AM</td>
<td>Land of Dreams KVOS KXA KXL KKMED KORE KFWB KGK</td>
</tr>
<tr>
<td>10:45 AM</td>
<td>Novelty KVOS KXA KXL KKMED KORE KTAB KGK</td>
</tr>
<tr>
<td>11:00 AM</td>
<td>Long Beach Municipal Band KVOS KXA KXL KKMED KORE KFWB KGK</td>
</tr>
<tr>
<td>11:30 AM</td>
<td>Hughespaper of the Air KVOS KXA KXL KKMED KORE KTAB KGK</td>
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**THURSDAY**

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<tbody>
<tr>
<td>8:00 AM</td>
<td>Bill Sharpleys and His Gang, KVOS KXA KXL KKMED KORE KTAB KGK</td>
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<tr>
<td>8:30 AM</td>
<td>Zoro the Astrologist, KXA KXL KKMED KORE KTAB KGK</td>
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<tr>
<td>9:00 AM</td>
<td>Modern Girl Philosopher KXX KXL KORE KGK KKMED</td>
</tr>
<tr>
<td>9:30 AM</td>
<td>Musical Contrasts KVOS KXA KXL KKMED KORE KFWB KGK</td>
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<tr>
<td>10:00 AM</td>
<td>Hughespaper of the Air KVOS KXA KXL KKMED KORE KTAB KGK</td>
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<tr>
<td>11:00 AM</td>
<td>Long Beach Municipal Band KVOS KXA KXL KKMED KORE KFWB KGK</td>
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**FRIDAY**

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<th>Time</th>
<th>Program</th>
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<tr>
<td>8:00 AM</td>
<td>Bill Sharpleys and His Gang, KVOS KXA KXL KKMED KORE KTAB KGK</td>
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<tr>
<td>8:30 AM</td>
<td>Zoro the Astrologist, KXA KXL KKMED KORE KTAB KGK</td>
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<tr>
<td>9:00 AM</td>
<td>Modern Girl Philosopher KXX KXL KORE KGK KKMED</td>
</tr>
<tr>
<td>9:30 AM</td>
<td>Hughespaper of the Air KVOS KXA KXL KKMED KORE KTAB KGK</td>
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**SATURDAY**

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<th>Time</th>
<th>Program</th>
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<tbody>
<tr>
<td>10:00 AM</td>
<td>Hughespaper of the Air KVOS KXA KXL KKMED KORE KTAB KGK</td>
</tr>
</tbody>
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*Continued from Page 17*

Mr. Wilson is next.

"Don, you'll have to read up on Einstein. We're broadcasting a banquet tonight from the University Club. He's going to speak, and you'll have to ad lib for some time."

"Holy cats! Einstein? How can I? I can't even understand my stub-book."

"Well, read up on him. The banquet starts at seven."

"But I've been working since three this morning."

"Can't help it. We're short-handed."

"Can't Mr. Rodriguez write something about Einstein?"

"He's not here."

"Is he ever here?"

Mr. Rodriguez is miraculously found, and persuaded by guileful flattery to write material for both symphonies. So he prepares some acceptable and non-comital phraseology about the Corolian overture and the shifting of the infra-red rays.

But no mention is made of the infra-red rays at the banquet and the symphony conductor decides at the last minute to play the Egmont overture.

The announcers, both in a state of nervous collapse, are compelled to extemporize. Being gentlemen of infinite resource and sagacity, however, they acquit themselves nobly.

So, in spite of the exhausting requirements of the day, of which the above is only a partial picture, they both leave the studios at midnight, conscious of duty well performed. As they pass out of the elevator, they hear two orchestral players lamenting their fate.

"My Gawd, Bill—what a life! Rehearsing since this nine this morning. And then getting bawled out because that damn tenor can't count up to four. And then missing supper..."

"I know. 'S tough. I often wish I was an announcer. Nothing to do but sit on your shoulder-blades all day long reading magazines and once in a while wake up to say, 'This is KECA, Earle C. Anthony, Inc., distributor in California of Packard motor cars.' O boy, what a life!"

For complete station directory see page 28.
The Sargent Short-Wave SUPER - RANGER

A six tube short-wave receiver for the fan, amateur or experimenter who has graduated from the "squeak-box" class and is ready for a set that will give results comparable with those obtained on the 200-550 meter band.

The finest short wave set ever offered to the public.

WRITE NOW FOR COMPLETE INFORMATION

WEDEL COMPANY
Radio and Electrical Jobbers Since 1888
SEATTLE, WASH.

New Eby Products - for the New Year

Our Volume Controls

1. Are substantially built.
2. Are sealed and lubricated.
3. Have ceramic core with soldered internal connections.
4. Have zero hop-off due to copper-plated resistance strips soldered to contact point.

Assure you "Durability and Performance"

THE H. H. EBY MFG. CO., Inc.

W. C. HITT, Representative
1284 Sunset Blvd., Los Angeles, Calif.

Byrd To Broadcast

Rear-Admiral Richard E. Byrd will be the principal speaker on a program presented by the National Education Association over WABC and other stations of the Columbia Broadcasting System at 5:30 p.m., Monday, February 25. The meeting from which the explorer's address is to be broadcast will be held in the main auditorium of the Masonic Temple in Detroit.

Other speakers will be Norman R. Crozier, president, Department of Superintendence of the National Education Association; Gilbert Grosvenor, president of the National Geographic Society, and S. D. Shankland, executive secretary of the Department of Superintendence.

A musical program will be provided by organizations drawn from the public schools of Detroit.

* * *

Best Wishes... Robert Hurd!

Sincere wishes for a speedy recovery are extended to Robert Hurd, KFI-KECA tenor, who has been ill for some time with complications resulting from a throat operation. As we go to press, the Program Department of KFI assures us that Mr. Hurd is improving rapidly and we hope that the time is not far distant when the radio audience will again be enjoying Mr. Hurd's concerts.

* * *

If one expects to see wireless masts, great steel affairs almost brushing the clouds, as at Arlington, Va., they will be disappointed when approaching Station KDKA, which houses the most powerful radio equipment in the world. The masts used for the long wave transmission are five in number, arranged in circular form, and look like over-grown wooden telegraph poles. Wood is used because it does not absorb the current, as does steel.
Radio Row

THE OFFICE BOY SEZ:

Folks; meet two of our veteran radio impresarios.

Yes, sir, folks The Not-Good-But-Loud Rag-Time Revue is about to be perpetrated right here before your very ears! What's the first one on the list, Jack? Alright, Let's Go! "When You Wore a Tulip and I Wore a Big Red Rose." Not Good, but LOUD!

And here's the debonair originator of this famous program and even more famous slogan. Bill Ray, in person, now busily and efficiently managing KGER in Long Beach. Bill's most engaging feature over the ether is a youthful enthusiasm which instantly takes hold of his audience. Don't be misled by all this youthful talk. Bill talks young, he dresses young and he is young, but in spite of all that, he is one of California's veteran announcers. Years ago he used to help Jerry King keep KFWB going smoothly and about a year ago, C. Merywin Dobyns, owner of KGER, found Bill and gave him his big break. How do you like Bill's natty suit, jaunty cane, and general appearance of just being about to take off into a neat bit of dancing?

HaLO... dear EVERYBODY, EVERYWHERE! KFWO on the air and Lawrence Mott greeting you from Santa Catalina Island, that dee-LIGHTFUL little isle in the emerald green Pacific Ocean! ... E V E R Y B O D Y HAPPY this GLORIOUS morning?? The St. Catherine Hotel Concert Orchestra will now entertain you, dear people, with a charming hour of concert music... After this SPLENDID program, I have a REAL surprise for you... Wasn't that a MARVELOUS program, folks?? and now... for the SURPRISE! I have my big Magnaformer Super-heterodyne (adv.) all tuned up... and WE, all my DEAR Listeners and I, are going to TOUR the country by AIR!! We will pick up the distant stations on my POWERFUL set and re-broadcast them over KFWO for your entertainment... Now listen ye! HERE'S KOA, DENVER... Now Chicago, WGN... and now KDKA, East Pittsburgh! Think of it, my dear friends! The marvel of radio!

"They were the days" when the jolly Major's cheery greeting from the Sunshine Isle made your day a success.

Looking Backward

With R. B. Yale

NOT SO LONG AGO:

Dave Saranoff was a wireless operator on a tramp steamer. F. A. D. Andrea of Fada fame made Swiss watches. E. T. Cunningham manufactured the first audions with pigtails in a small shop in 'Frisco. Charles Freshman was a big shot in the Florida real estate boom. W. E. and W. H. Jackson, purveyors of radio in San Francisco, sold sewing machines and parts. Mr. Freed of Pacific Radio Supply sold bicycle supplies, spokes and coaster brakes. John G. Rapp, who made Kolster sales galore, used to make that good old Rainer beer. Lucas was one time chief technician of Angelus Temple radio station. Tom Lambert held the only independent RCA license in this part of the country. Cloyd Marshall was factory representative for Crosley. George Lane was the head man in this territory for Kennedy. The Federal, made in Buffalo, was the most popular crystal set. Harkess and Flewelling were the best known circuit developers. Bakelite, the only material for panel use—if not used, look at the losses. Television apparatus was being sold to the public. Public address systems were a novelty and stopped the boys on the street. Freeman Lang was just a good radio technician. Les Taufenbach was a first-class ham operator. Ken Ormiston went to sea in ships and was called "Sparks." No one had ever heard of a midget set—"Happy Days!" Sam Van Royne, who established Radio Supply Company, was selling auto parts and accessories. The Union Hardware Company was one of the big radio jobbers. Fritz Falck cluttered up the country with battery chargers of his own manufacture. Edgecomb ran the Wireless Shop and owned all the sheet bakelite in this part of the country. Erla made the best fixed crystal detectors. Console radio sets were being sold at from $275.00 up. Atwater-Kent made swell variometers and variocouplers instead of radio sets. No one had ever heard a chain broadcast program. Folks really used to listen to sets playing in the dealer's doorway. Screen-Grid tubes were only used in England and Europe. Two or three hundred feet of wire made a good antenna. O. K. Smith ran Broadway's main exclusive radio store.

The Major's hearty voice, which greeted us over his own KFWO some three years ago and lately over metropolitan stations, simply radiates happiness and enthusiasm. The Major is a world traveler, an author of numerous books, veteran of several wars in which his conduct has been nothing but honorable as attested by the decorations on his manly chest and an all-around good chap and sportsman. Major Mott has been making a gallant fight against ill-health the last few months and we wish him the greatest success and a speedy return to the microphone.
RADIO GOINGS ON AROUND TOWN

The Jackson-Bell Company held a sales convention at their factory, located at 1682 West Washington boulevard during the third week in January. The distributors from the East, South, Middle West, Inter-Mountain states and the Northwest were in attendance. All expressed pleasure at the volume of business procured this last year and expected a larger turn-over during 1931.

The photographer was fortunate enough to catch a few of them when he called one morning, so snapped the picture you see on this page. Reading from left to right are Messrs. Herbert Bell, president of the company; B. Stark, Texas distributor; R. S. Shelley, Michigan, Iowa and Nebraska distributor; Howard D. Thomas, Oregon and Washington distributor; R. Bell, an officer of the company and McCubbin, Utah distributor. * * *

Electrad, Inc., announced the addition of two newly perfected power amplifiers utilizing the revolutionary Loftin-White Direct-Coupled System, which with their Model A-245, completes a line of Amplifiers suitable for the present-day requirements of sound amplification of all types. These Electrad Direct-Coupled Amplifiers are readily adaptable to all usual requirements of sound amplification from microphones, phonograph pickups, radio tuners—in fact, for all types of amplification at audio frequencies.

Electrad, Inc., will be glad to supply additional technical information on request to their engineering department at 175 Varick street, New York, N. Y. * * *

William Hitt returned last month from an extended trip throughout the East where he visited numerous factories which he represents in California. He stated that he had returned with samples of new products from both Eby and Aerovox and believes that he will be of even greater assistance to the local manufacturers this season in supplying parts necessary to their new model midgets. * * *

The offices of the Radio and Music Trades Association of Southern California were moved last month from the Commercial Exchange building to the Chamber of Commerce building, located at 12th and Broadway. They now have a very fine suite on the second floor and Mr. Farquharson, the Secretary, hopes that all members will come up and see him in room 234.

The Radio Manufacturers' and Agents' Association, presided over by Lombard Smith held their semi-monthly luncheon meeting at the Metropole Cafe, Friday, January 9th. There were forty-two in attendance, which clearly demonstrated the interest in the subject to be discussed. "Will it be to the interest of the public and the trade to introduce at this time the new Super-Heterodyne midget"—A red-hot subject, to be handled with care.

Most of the prominent midget manufacturers were there and the consensus of opinion seemed to be—now is the time to introduce the new models, especially if Los Angeles is to remain the center of the midget manufacturing business.

It was an excellent meeting and we will look forward to many more of them during the coming year.

The Polymet Manufacturing Corporation of New York, manufacturers of high quality condensers, transformers, volume controls and resistors are now distributing their new 1931 catalogue. This catalogue is of special interest to dealers, service men and radio set manufacturers as it not only gives all the specifications of the different units, but contains dimensional drawings of them. * * *

Among the new faces along Radio Row is that of A. J. Carlson, representing the United American Bosch Corporation, who has transferred his activities to the Southern California territory, working in conjunction with Collins-Lane Company, Bosch Radio distributors.

Carl, as he is better known to the radio trade, celebrates something of a home-coming, in his return to Southern California, as he was formerly a radio retailer in Los Angeles, and at one time manager of the Radio Department of Parmalee-Dohrman.

George Lane

George Lane, manager of Collins-Lane Company, reports that the demand for Bosch radio receivers is keeping up and with the sales assistance of Mr. Carlson they expect to greatly expand their sales organization. * * *

Among those who were absent from Los Angeles last month was David Marshank of the Marshank Sales Company, 224 East 16th street. Mr. Marshank spent a week in San Francisco and neighboring cities visiting the manufacturers and the dealers.
RADIO GOINGS ON AROUND TOWN

Optimism regarding the 1931 outlook for radio business was the key-word of sales talks at the four-day annual convention of district managers and salesmen of E. T. Cunningham, Inc., radio tube company, held here this past month (Jan. 9-13.)

At the meeting which was presided over by C. R. King, vice-president and assistant general manager, was gathered the entire sales personnel, including district managers from the company's main distributing centers.

A very enthusiastic sales meeting was held at the Commercial Club, Thursday, January 29th. Mr. Yale, president of the Yale Radio Electric Company, distributor in Southern California for Apex and Steinite, introduced the new models to the assembled dealer guests.

After inspecting the new models everyone expressed the opinion that they would meet with instant approval by the public. A fine buffet supper was served.

Messrs. George Stevenson and James Hescer, long connected with the radio industry of Southern California, have opened a radio department for the Electric Supply Company, of 1801 South Hill street. They will make an announcement in the very near future as to the radio line which they will feature.

While most business men are complaining about business depression and the lack of buying on the part of the public, Mr. Nazareth, head of the Universal Music Company, not only keeps on doing a good business, but opens up another retail store.

The picture shown on this page was taken of the display room in his new establishment, located at 1466 W. Santa Barbara avenue, Los Angeles. Universal Music Company is featuring several nationally known lines of radio receivers and two or three locally-built midgets. Their main store is located at 1632 S. Maple avenue.

Instead of the regular Breakfast Club meeting which is usually held at 8 o'clock on the first Thursday of each month the Radio and Music Trades Association will hold a dinner dance in the Los Angeles Realty Board building on Thursday evening, February 5th. The officers are looking for a large turn-out at this meeting.
Of Necessity!

Prior to and including the Feb. 1st license period scores of stations have been shifted.
Many have been discontinued; others started.
The only way for Western listeners to get all this information and more is in the

1931 SPRING
RADIO CALL BOOK

PUBLISHED BY
RADIO DOINGS

The final results of all license hearings ending February 1st will be included in the complete, triple-indexed logs of stations.

Television broadcasters, short wave, Canadian, Mexican and all other foreign stations of the world are presented to you in neat, convenient and accurate form.

DISTRIBUTED FEB. 10th
Available at all the better radio and news dealers

25c — for — 25c

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214 EAST 12th STREET
LOS ANGELES

929-930 HEARST BLDG.
SAN FRANCISCO

Dealers are urged to place their orders now for early delivery

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Completely Equipped with Eight Matched Tubes

R.C.A. RADIONOTRONS OR CUNNINGHAMS

PLUS every refinement of the highest priced radio
... tone control ... local and distance switch ... Vernier dial ...
phonograph connection ... microphone connection ... dynamic
speaker and 45's in push-pull.

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2425 West Washington Boulevard

Los Angeles, California

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Los Angeles, California

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HERE THEY ARE!
1931 - 1932 MODELS
Brand New Apex Radio

New in design, every set built since January 1st, 1931. Not a re-hash of old models.
Values that are unparalleled in radio history!
To the left: Illustrating Model 32B. Full sized console—not a midget.
Unexcelled for beauty. Triple screen grid, power detector, four tuned circuits, real sensitivity and fidelity of tone. Two 245 tubes in push pull amplification. Seven tubes in all.

$87.50
Complete With Tubes

To the right: Illustrating Model 32A Table Set. Full size table type, self contained, radio receiver, chassis and circuit identically the same as Model 32B. All sets equipped with new hi-gain screen grid tubes and electro dynamic speakers.

$69.50
Complete With Tubes

Apex Gloritone Midget Set, $49.95 Complete with Tubes

Exclusive Wholesale Distributor

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