

# HEINL RADIO BUSINESS LETTER

INSURANCE BUILDING

WASHINGTON, D. C.

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ISSUED TWICE A WEEK AND CONTAINING THE LATEST INFORMATION REGARDING THE RULINGS OF THE FEDERAL RADIO COMMISSION, RADIO LEGISLATION, DEPARTMENT OF COMMERCE REGULATIONS, CHANGES IN WAVELENGTH, CALL LETTERS AND POWER, PATENTS, EXPORTS, FEDERAL TRADE COMMISSION RULINGS AND OTHER MATTERS OF INTEREST TO BROADCASTERS AND MANUFACTURERS. :: :: **CONFIDENTIAL—NOT FOR PUBLICATION.** :: ::

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No. 468

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## BUSINESS GOOD WITH THE BROADCASTING INDUSTRY

That the broadcasting business is fast gaining a firm economic footing, steadily increasing the number of entries on the credit side of the ledger, was the declaration of Federal Radio Commissioner Harold A. Lafount, of the far Western zone.

"On the whole, broadcasting has been making consistent progress even during the past two years, and the industry is looking forward to an unprecedented season this Fall.

Mr. Lafount believes that one-half of the 500 stations engaged in commercial transmissions are earning money or at least "breaking even." More than 100 of the 615 stations licensed are operated by educational institutions, churches and other non-profit-seeking institutions.

"The success of American broadcasting unquestionably is attributable to the competitive element, wherein stations and networks are vying with one another for the listeners' favor", he declared. "That broadcasting is a stalwart young industry, close to the hearts of the people, is attested to by the current conditions which disclose that programs are on the constant upgrade and that the stations themselves are firmly entrenching themselves in better economic positions.

"It was my privilege last July to address the meeting of the National Association of Broadcasters in San Francisco, and I was amazed by the spirit and initiative manifested by these radio program makers. Plans for the new radio season, which now is having its beginning, were made and there was no talk of depression or 'bad business' anywhere. This virile young industry is determined to push ahead and to give to the public what it demands in radio entertainment and education."

The following additional information was made available by the Commissioner:

Little information is available as to the earnings of broadcasting stations, since the stations are not required to file full financial statements with the Commission, and since no national survey has ever been undertaken. On the other hand, the Commission is enabled to glean general information from the testimony of station representatives and Commission hearings, and from other individual reports.

These tend to show conclusively that stations rapidly are adjusting themselves in such a manner as to bring about better monetary balances. Roughly, it is estimated that stations and networks combined this year may reach the peak of \$100,000,000 in revenues from commercial or sponsored programs. This would be exclusive of talent, station maintenance and other costs, it having been reckoned that the entire radio industry, including sales of receiving sets and the commercial phases, approaches a turnover of \$1,000,000,000 annually.



In the case of the networks, figures are available and indicate a "very substantial" increase. Figures compiled for the two major networks for the first six months of the year disclosed revenues from sale of time for sponsored programs of approximately \$17,500,000, as compared with about \$13,000,000 for the same period of last year.

These figures indicate revenues by the chains of possibly \$35,000,000 for this calendar year. The increase of 1930 over 1929 was about 42 per cent. The increase of 1929 over 1928 by the chains was more than 80 per cent.

In the case of independent local stations, "spot" broadcasting of local stations has become an important factor from the standpoint of revenue. Similarly, the increased use of electrical transcriptions, occasioned by the mechanical perfection of such recordings, has become a vital source of revenue.

Above all, however, has been the spirited competition between local stations. To obtain listener coverage demanded by their clients, and to keep their stations popular, broadcasters have been forced to show steady program improvement. The result has been a tendency away from excessive advertising, with the advertisers as well as the broadcaster realizing that a satisfied public is the object of good broadcasting, and that this goal can be attained only with concise, discreet advertising messages.

It appears that on the most select stations, broadcasters will be in the position not many months hence of actually selecting their advertising accounts. A fair balance between commercial and sustaining programs for the most part is maintained by stations, and once the commercial portion is "sold out", the stations then will be in position to choose between accounts, and to exercise greater control over the type of programs broadcast.

Many stations already are rejecting programs which they believe not to be in the public interest. For example, the Commission has notified stations that it is opposed to the broadcasting of programs having the element of lot, chance or other gift enterprises, and that it would consider the transmission of such programs by stations in cases involving renewal of licenses.

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#### MCCOSKER LANDS GANDHI FOR WOR

Station WOR, Newark, has been granted the exclusive rights to rebroadcast Gandhi's speech on his arrival in London September 12th or 13th. A letter from Sailendra Nath Ghose, President of the India National Congress of America to Alfred J. McCosker, WOR President, has awarded the big independent station all rights to the speech.

It is almost certain that it will be carried by an NBC coast-to-coast network and it is not improbable that CBS will also carry it.

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## DELAWARE COURT CONTINUES ANTI-TRUST CASE

When the September calendar was called in the Federal District Court of Wilmington, Delaware, September 8th, the case of the United States vs. various radio concerns, headed by the Radio Corporation of America, was continued. It is understood that the case, involving alleged violations of the anti-trust laws, is not likely to come to trial soon. Due to its importance, it may be tried in Philadelphia before the three judges of the Circuit Court of Appeals in Philadelphia.

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## NBC CONSIDERS WMAL AS CAPITAL OUTLET

The National Broadcasting Company is now contemplating leasing, or in some way acquiring, Station WMAL as an additional station in the National Capital. This follows an application by Columbia to the Federal Radio Commission that it be permitted to put in a booster transmitter in Washington to broadcast programs there on WABC's frequency. If the application is granted and the booster experiment proved a success, it would release WMAL from Columbia which is now the latter's outlet.

At first because of contractual relations between WMAL and Columbia, and the likelihood that in any case it might be sometime before WMAL could be released, the NBC did not consider that station in its future plans.

Station WJSV, of Mt. Vernon Hills, Va., 16 miles south of the Capital, with 10,000 watts power apparently seemed to them to be the best bet and tests were made to see how effective the signals of that station were coming into Washington. It has been learned that the NBC is now seriously considering Station WMAL as well as WJSV in the solution of their problem.

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## TENNESSEE RADIO COUNT 14 PER CENT

Only 14.3 per cent, or 86,229, of the 601,578 families in the State of Tennessee possessed radio receiving sets in 1930, the Census Bureau has just announced.

The estimate of the radio industry and the Department of Commerce was 104,000 sets.

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## PRATT AGAIN RECOMMENDS WEVD REMOVAL

Removal from the air of Station WEVD of New York, operated by the Debs Memorial Radio Fund, Inc., was recommended September 4th to the Federal Radio Commission for the second time by Examiner Elmer W. Pratt.

In a report to the Commission on the application of Station WFOX, of Brooklyn, N. Y., for the facilities of the Debs station, Mr. Pratt recommended that the application be granted. In a previous report about a year ago, Mr. Pratt had recommended that WEVD be denied renewal of its license for alleged gross violation of radio regulations. The original report has not yet been acted upon.

Station WFOX now operates on the 1400 kilocycle channel with 500 watts power, but shares the channel with three other stations in the New York area. It seeks the 1300 kilocycle assignment used by Station WEVD, with certain specified hours now used by the latter station.

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## WTMJ GRANTED TELEVISION LICENSE

The Milwaukee Journal has been granted a permit to erect a television station for experimental operation in the ultra-high frequencies. The Journal now operates WTMJ. The visual broadcasting station will be the first in Milwaukee.

The Commission assigned to the new station the call letters W9XD. Frequencies allocated for its use are 43000 to 46000 kilocycles, 48500 to 50300 kilocycles and 60000 to 80000 kilocycles. John V. L. Hogan, consulting engineer of New York, will supervise experimental operations, the Commission was told when the case was heard several months ago.

It was brought out at that time of the hearing that the purpose of the proposed station would be to determine the feasibility of using the ultra high frequencies, outside the recognized usable portion of the ether spectrum, for visual broadcasting. These frequencies differ from the lower channels in that the signals emitted simulate light beams rather than electrical impulses and travel only to the horizon. Reception of the signals on these frequencies is impaired by physical obstruction and by the curvature of the earth, whereas the ordinary signal theoretically travels around the world at the speed of light.

Up to the present time the Commission has licensed 22 experimental television stations, most of which are segregated around the New York and Chicago metropolitan areas. In almost every instance, these stations are assigned to the channels reserved for experimental television transmission located in the continental

short wave band, lying between 1500 and 6000 kilocycles. Most of the new applications, totaling about a score, now pending, however, seek assignments in the ultra high frequencies as well as in what is recognized as the regular band.

The Milwaukee Journal filed an additional television application with the Commission, seeking assignment to one of the television bands in the continental short waves, to augment its projected ultra high frequency experiments. The application requests a construction permit for a new transmitter with 1,000 watts power. The channel requested is 2850 to 2950 kilocycles.

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#### WIBO DECLARED NEW CBS CHICAGO OUTLET

Important shifts in Chicago's broadcasting map predicted to follow NBC's recent takeover of WMAQ from the "Daily News" are the switch of WIBO to the Columbia network and the affiliation of Hearst's "Evening American" with the NBC-operated WENR, declares Variety. WIBO is figured to make its CBS program debut October 16th, with the "American's" break with the same station is expected to go into effect around the first of the same month.

"CBS plans favor taking over WIBO, now owned and operated by the Nelson Brothers Mortgage & Bond Co., on a lease basis, the story continues. Should this arrangement be worked out, the network would close the WIBO studios on the north side and merge broadcasting operations with its WBBM studios located in the loop. Under the same roof Columbia would bring together its affiliated enterprises, such as the Columbia Concerts Bureau, and the Community Concerts Service and the Judson Radio Program Corp.

"Although network franchise contracts provide for 60 days' notice of cancellation, it is expected that NBC will agree to release WIBO in time to make the mid-October change. As it is, WIBO is currently carrying a sparse number of chain commercials, and these could be transferred to another NBC affiliate with little inconvenience.

"With the purchase of WMAQ, NBC finds itself for the first time in the Midwest television field. The 'News' outlet for the last year has been operating a Western Television Corp. set of transmitting equipment under the call letters of W9XAP. Since its parent corporation, RCA, is not prepared to expand its television activities to this territory, the network has no intention of disturbing WMAQ's present picture casting set-up. Executives of the Western Television admit themselves to be in quandry over the situation and are awaiting for the first move, from their competitor's child.

"NBC is also trying to make up its mind what to do about its connection with Advertisers Radio Service, Inc., thrust upon it as a result of the WMAQ buy. ARS was organized by William Hedges, former president of WMAQ, as a spot time brokerage. It is a co-operative affair, with WMAQ and some 15 other stations sharing the outfit's corporate stock among them.

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## AMERICAN TEL. & TEL. SPONSORS NEW PROGRAM

A new radio program under the sponsorship of the American Telephone and Telegraph Company is being planned for coast-to-coast broadcasting, according to the Columbia Broadcasting System, which will handle the program for the Eastern half of the country. The Western area will be served by the National Broadcasting Company's network, with the program originating in Chicago.

Under the title "Music Along the Wires", the telephone company will present a symphony orchestra and vocal ensemble. It will be on the air from 8:15 to 8:45 P.M., E.S.D.T. every Sunday. The opening program is scheduled for September 13th. Domenico Savino will conduct the orchestra.

"In making use of the radio medium for entertainment, and educational promotion, the telephone company at the same time will be demonstrating some of its own products", said a representative of Station WABC, in New York. "The day-to-day national hook-ups for chain broadcasting at present require 40,000 circuit miles of telephone wires. Development of radio broadcasting and of long-distance telephoning over greater distances likewise have gone hand in hand."

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## AFFILIATED STATION SEEN AS RADIO-NEWSPAPER SOLUTION

One solution of the feud between newspapers and radio broadcasters has been worked out by the Asheville (N.C.) Citizen and Times, which is affiliated with Station WWNC, operated by the Citizens Broadcasting Company. The radio station and the newspapers believe they have solved the problem of competition.

"Business concerns in Asheville often employ the radio as a background for the display advertising done in the newspapers", writes Robert J. Hicklin in the Editor and Publisher. "In brief broadcasting periods, the station may call the listeners' attention to some particular item of merchandise, but for the most part makes use of the opportunity to emphasize the advertisement which has appeared or which will appear in a current issue of the paper."

"If a news event received over the wires of the newspapers warrants an extra, the radio station makes only a 'flash' announcement, adding that the newspaper extra will be on the streets within a given time. After the extra has appeared, more details are broadcast. In the case of an important trial, such as that just completed in Asheville when Luke Lea, Tennessee publisher, and others, were convicted of a bank fraud, the station announced only that a verdict had been reached and that an extra would be on the street within 15 minutes. After ample time for selling out the edition had been allowed, the substance of the verdict and the sentence were broadcast."

"As far as possible the radio station influences its advertisers to insert notices in the newspapers calling attention to the scheduled broadcast, and to use the columns of the paper in conjunction with the broadcast advertising. While results may not be very large, the effort has proven helpful in more than one instance.

"The newspaper prints the radio program of WWNC in full and those of several of the more powerful stations in different geographical belts. The best broadcast programs are set in a box at the top of the column. Trade names are eliminated as far as expedient, although not entirely. Printed in agate type, the entire programs do not consume more than one-half a column.

"Talent from the newspaper is drawn on heavily for radio programs. Several feature writers and columnists have regular daily air columns as well."

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#### CATHOLIC UNIVERSITY PUBLISHES RADIO LAW VOLUME

A leading position in the development of that branch of legal proceedings known as "air law" is being taken by the Law School of the Catholic University of America, of Washington, D. C., and Dean John McDill Fox and Dr. James J. Hayden, instructor in law and director of research, have just published the first "Radio Law Bulletin" to be issued by the university covering this important subject.

The volume consists of 130 pages and prints in full the eight lectures on radio law given under the auspices of the Law School. Louis G. Caldwell, formerly General Counsel of the Federal Radio Commission, gave three lectures, "Who Owns the Ether", "The Standard of Public Interest, Convenience or Necessity - Quasi-legislative Duties of the Federal Radio Commission, and Its Quasi-judicial Duties as Applied to Non Broadcasting Stations", and "The Piracy of Broadcast Programs."

Lectures on "Federal and State Regulation of Radio Communication, the Validity of the Radio Act of 1927, and the Outline of Its Provisions", and "The Interpretation of Public Interest, Convenience and Necessity as Applied to Broadcasting Stations; the Davis Amendment" were given by John W. Guider. Paul M. Segal, formerly Assistant General Counsel of the Radio Commission, lectured on "Procedure Before the Federal Radio Commission", and William Roy Vallance, Assistant to the Solicitor, State Department of the United States, and Charles F. Dolle, Executive Director of the National Council of Catholic Men, lectured on "International Radio Regulation" and "Religious and Educational Broadcasting and Some of Its Problems", respectively.

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## "FATHER OF RADIO" DIES

Dr. Harry Phillips Davis, internationally known as "The Father of Radio Broadcasting" is dead at his home in Pittsburgh, Pa., after an illness of several months.

Dr. Davis was Chairman of the Board, National Broadcasting Company, Vice-President of Westinghouse Electric and Manufacturing Company and Director of numerous outstanding corporations.

He passed away at the age of sixty-three, as one of the world's eminent electrical engineers. He was known generally by the public as the man who founded and developed radio broadcasting. From an experimental shack which, at that time housed KDKA, the world's first broadcasting station, he envisioned the present estate of radio and directed the pioneer development. Within six years after the world's first public broadcast, Dr. Davis saw his vision realized in the Fall of 1926, when the National Broadcasting Company was organized with Dr. Davis as Chairman, and M. H. Aylesworth as President.

Dr. Davis regarded radio as the outstanding development of the age, characterizing it as "Public Trust."

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### NATIONAL RADIO BOARD OF REVIEW PLANNED

The public, long without a voice on the councils of the nation's broadcasting stations, will actually pass upon proposed broadcast programs and all important features etherized if the plans of George Perryman, radio tube manufacturer, come to fruition, according to the Director of Public Relations of the Organization Committee of the National Radio Board of Review. Mr. Perryman has addressed a letter to the heads of 250 women's clubs and to an equal number of executives of men's fraternal groups.

In this letter Mr. Perryman outlined the need for a radio equivalent to the National Motion Picture Board of Review, and requested that the organizations he addressed either select a representative to confer with him, or make known their reactions to his plans in the form of resolutions. Mr. Perryman also pointed out that a National Radio Board of Review had far greater problems to face than its motion picture equivalent, for while it was possible for the motion picture reviewers to "preview" all the pictures released, this would be virtually impossible in the radio field with only a review of actual broadcasts being possible, except in the case of commercials and electrical transcriptions which were planned far in advance of their broadcasting date.

Although the National Motion Picture Board of Review is a representative committee of four or five men and women, it is Mr. Perryman's plan that its radio equivalent should number 250 men and women. Ten of this number will act as an executive committee located in New York City, the balance, acting in groups of five, will form sub-committees in 45 urban centers throughout the country. Noted authors, educators, artists and political figures will act as an Advisory Board.

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: BUSINESS LETTER BRIEFS :  
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The Bell Laboratories' new method of recording has been turned over to the World Broadcasting System on a lease basis. This new process - vertically grooved discs - is said to have the widest range of frequency of any recording to date. Special equipment is necessary for reproduction. About 140 stations are said to be equipped, sufficiently for the new attachment to be added. This attachment will be leased to the radio stations.

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A continuous 12-hour television show will be attempted by Western Television Corp., Chicago, over W9XAP and W9XAO, September 14-27th.

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Enlisted men aboard the Navy dirigible "Los Angeles" are enabled to hear programs of entertainment from the broadcasting stations ashore through a radio receiver recently installed in their quarters. This set is separate from the sending and receiving instruments for technical operation of the ship.

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Don Clarke, Director of Continuity for CBS, was married to Sue Church, his secretary, September 1st.

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When the Newspaper Association Managers, Inc., met in Omaha, Nebr., the other day, the delegates voted to bar Omaha newspaper reporters and press association correspondents from their executive sessions, thereby causing much dissension among the association members, as well as the local newsmen. Radio advertising was said to have been the chief topic up for discussion.

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Station KGIR, Butte, Mont., is reported to be solving what-to-do about the lack of local talent by the installation of a receiving plant for rebroadcasting programs direct from KNX, Hollywood.

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Final authorization of WABC's 50,000 watt power application was granted by the Federal Radio Commission yesterday.

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James R. Sheffield, United States Ambassador to Mexico, from 1924 to 1927, was elected a member of the Board of Directors of the National Broadcasting Company at the annual meeting this week. Mr. Sheffield is also a Director of the Radio Corporation of America and a member of the Executive Committee.

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A 26-week series sponsored by National Battery Co., featuring Silvertone Quartet, is set for NBC coast-to-coast network, beginning October 5th.

Marshall-Field, Chicago, will use the WJZ network for two- 15-minute weekly programs shortly.

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The NBC Artists Service, through its Director, George Engles, reports that its artists' engagements for the coming season are 60 per cent higher in number than a year ago. He said advance engagements were curtailed in no part of the country and added that there was a great demand for European novelties.

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Prohibitive salary is reported to be the reason CBS hasn't been able to sell Bing Crosby commercially. Artists bureau asking \$3,000 first 12 weeks, \$2,750 next twelve, and \$4,000 a week for balance of year.

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The full membership of the Federal Radio Commission will be present in the hearing rooms on September 26th when Station KGEF, of Los Angeles, is heard on a license renewal application.

Chief Examiner Ellis A. Yost, in a recent report, recommended renewal of the station's license, after charges had been made that Dr. Schuler had criticized individuals and organizations over the station.

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#### STATION MANAGER SEEKS POSITION

A station manager in one of the large Middlewestern cities, having a background of more than ten years of merchandising experience, gained in a development of sales plans and the organization of sales forces for firms of various sizes, is seeking a new position. This manager reports that under his charge the gross business of his station increased from about \$3,000 to more than \$7,000 per month in less than a year's time.

Address any inquiries in care of Heinl Radio Business Letter.

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## APPLICATIONS RECEIVED BY FEDERAL RADIO COMMISSION

September 4 - WMAK, Niagara Falls Broadcasting Corp., Buffalo, N. Y., C. P. amended to change request for power from 1 KW to 500 w.; Reaben & Klotz, McComb, Miss., C. P. to erect new station to use 1370 kc., 50 w., and unlimited time; KUJ, KUJ, Inc., Walla Walla, Wash., C. P. to make changes in equipment; N. O. Clemensen, Payette, Idaho, C. P. amended to request the facilities of Station KGKX.

September 7 - WABC, WBOQ, Atlantic Broadcasting Corp., New York, N. Y., license to cover C. P. granted Oct. 8, 1929, to move transmitter, install new equipment and increase power to 50 KW, L.P.; KGMP, Bryant Radio & Electric Co., Elk City, Okla., C. P. to move transmitter and studio locally and make changes in equipment; KGKO, Wichita Falls Broadcasting Co., Wichita Falls, Tex., license to cover C. P. granted April 24, 1931, to make changes in equipment; KABC, Alamo Broadcasting Co., San Antonio, Tex., license to cover C. P. granted July 31, 1931, to move transmitter locally; WRBJ, Hattiesburg Broadcasting Co., Hattiesburg, Miss., C. P. to move transmitter and studio locally, install new equipment, change hours of operation from unlimited (specified hours to unlimited); KTFI, Radio Broadcasting Corp., Twin Falls, Idaho, license to cover C. P. granted Sept. 1, 1931, to make changes in equipment and increase power from 250 w. to 250 w.-500 w. LS.

September 8 - Plattsburgh Broadcasting Corp., Plattsburgh, N. Y., C. P. amended to request 1370 kc., instead of 1310 kc.; KGHI, Berean Bible Class, Little Rock, Ark., license to cover C. P. granted May 22, 1931, to make change in equipment; Edmund J. Meurer, Mt. Clemens, Mich., C. P. to erect new station to use 1500 kc., 100 w., unlimited time; WNBR-WGBC, Memphis Broadcasting Co., Memphis, Tenn., C. P. to move transmitter; KFAB, KFAB Broadcasting Co., Lincoln, Nebr., install automatic frequency control; KFQD, Anchorage Radio Club, Anchorage, Alaska, modification of C. P. to extend completion date from Oct. 9, 1931, to Nov. 9, 1931; KSEI, KSEI Broadcasting Association, Pocatello, Idaho, C. P. to make changes in equipment and install automatic frequency control; KSL, Radio Service Corp. of Utah, Salt Lake City, Utah, install automatic frequency control; KFWI, Radio Entertainments, Ltd., Stn Francisco, Calif., license to cover C. P. granted May 12, 1931, to install new transmitter.

### Applications, Other Than Broadcasting

September 4 - Aeronautical Radio, Inc.: WSDK, Memphis, Tenn., license covering C. P. for 2326, 2344, 4140, 6260, 6275 kc., 400 w., point-to-point aeronautical service; WEEJ, Jacksonville, Fla., license covering C. P. for 4164, 6320 kc., 350 w., point-to-point aeronautical service; also license covering C. P. for 3070, 3076, 5690 kc., 350 watts, aeronautical service; WNAO, Newark, N. J., license covering C. P. for 3160, 3166, 3172, 3178, 5570, 5660 kc., 400 w., aeronautical service; KGTH, Salt Lake City, Utah, modification of license for change in frequency from 6380 kc., to 6350 kc., point-to-point aeronautical.



Also, KHNOL, KHNNM, KHNMN, KHNPk, Colonial Air Transport, Inc., assignment of licenses to American Airways, Inc.; Philadelphia Storage Battery Co., Philadelphia, Pa., new C. P. for 8650, 17300, 30000 to 56000 kc., up to 1500 w., experimental service; W8XAA, Department of Airport, Cleveland, Ohio, C. P. to increase power to 50 w., special experimental service; Mackay Radio & Tel. Co., portable for use on San Francisco Bay and Los Angeles harbor, renewal of special experimental license for 375 kc., 500 w..

Also, RCA Communications, Inc.: WQG, Rocky Point, N. Y., modification of license for change in points of communication to San Juan; WQQ, modification of license for change in points of communication to Prague, Hamburg, Manila, Shanghai; WQJ, modification of license for change in points of communication to Angor, Teheran, Beyrouth; WQP, modification of license for change in transmitter; WKU, modification of license for change in transmitter and change in point of communication to Berlin; WPE, modification of license for change in transmitter and change in points of communication to Moscow, Bombay, Reykjavik and San Francisco; WQF, modification of license for change in transmitter and change in points of communication to Maracaibo, St. Martin, Curacao and Paramaribo; WQL modification of license for change in transmitter and points of communication to Madrid, Lisbon, and Tokyo; WQC, modification of license for change in transmitter and to communication with Panama, San Jose, and Managua; WKP, modification of license for change in point of communication to Paris; WKM, modification of license for change in point of communication to London; WIK, modification of license for change in point of communication to Gothenburg and Oslo; WIR, modification of license for change in transmitter and point of communication to Montreal; WKD, modification of license for change in points of communication to Amsterdam.

Also, RCA Communications, Inc.: WIZ, New Brunswick, N. J., modification of license for change in transmitter and point of communication to Havana; WQT, modification of license for change in points of communication to Santo Domingo; WKQ, modification of license for change in points of communication to Angora, Teheran and Beyrouth; WGU, San Juan, Porto Rico, modification of license for change in transmitter and points of communication to Havana and Caracas; WGT, modification of license for change in transmitter and points of communication to Havana, Caracas and New Orleans.

September 7 - WQZ, RCA Communications, Inc., San Juan, Porto Rico, modification of License to change normal transmitter number to No. 3 and points of communication to New York; WQU, RCA Communications, Inc., New York (Rocky Point), modification of license to change points of communication to Panama, San Jose, Managua, Manila, Shanghai; WQV, modification of license to change normal transmitter number to No. 48 and points of communication to Berlin, Vienna; WQW, modification of license to change normal transmitter number to No. 35 and points of communication to Santiago, Chile; WQX, modification of license to change points of communication to Berlin, Tokyo; WQY, modification of license to change points of communication to Oslo, Monrovia, Capetown, Pernambuco. All point-to-point service.

September 8 - KPG, Press Wireless, Inc., Los Angeles, Cal., amendment to delete 15100 kc., per letter of Aug. 22, 1931; KOP, San Francisco, Calif., amendment to delete 18300 kc.; 18140 kc., per letter Aug. 23, 1931; WJP, Hicksville, N. Y., amendment to delete 13790 kc., per letter dated August 22, 1931; National Broadcasting Co., Inc., Denver, Colo., renewal of special experimental license for 830 kc., 12½ kw.; WPM, Inland Waterways Corp., Birmingham, Ala., C. P. for new transmitter on 3115, 3120, 4780, 6240 kc., 250 to 500 watts, marine relay and coastal service; WEDF, Aeronautical Radio, Inc. Nashville, Tenn., license covering C. P. for 2326, 2344, 4140, 6260, 6275 kc., 400 w., point-to-point aeronautical service; for 3238, 3244, 3452, 3460, 3468, 3484, 5600, 5630 kc., 400 watts aeronautical service; W9XX, Lannie W. Stewart, Cartersville, Mo., C. P. for change in location to Shreveport, La.; National Broadcasting Co., Inc., portable, license covering C. P. for 17300, 25700, 34600, 51400, 60000-400000 kc., 10 w.; Robert E. Autrey, portable on truck, license covering C. P. for 2398, 3256, 4795 kc., 15 w., experimental service.

#### Application Withdrawn

WOO, American Telephone and Telegraph Co., Ocean Gate, N. J., modification of C. P. for change in frequencies.

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#### DECISIONS OF THE FEDERAL RADIO COMMISSION

The Commission granted the following applications on September 8, 1931:

KGFL, W. E. Whitmore, Raton, N. Mexico, consent to voluntary assignment of license to KGFL, Inc.; WCCO, Northwestern Broadcasting, Inc., Minneapolis, Minn., modification of license to use transmitter of WLB-WGMS at University of Minnesota as an auxiliary; KGWJ, Radiomarine Corp. of America, motor yacht "Gielow", temporary authority to operate on additional frequencies, 410 kc., calling; 394 kc. "to be used while vessel is in the Great Lakes Area", for period not to exceed 60 days; KPK, Radiomarine Corp. of America, Portland, Oreg., licenses, marine relay and coastal service;


Also, KHH, Buchan & Heinen Packing Co., Port Armstrong, Alaska, C. P. for point-to-point service; KFR, Karl Hansen, Port Alexander, Alaska, C. P. for point-to-point service; Press Wireless, Inc., modification of C. P. to extend completion date from Oct. 18 to April 18, 1932, for stations at Hicksville, N. Y., Needham, Mass., Chicago, Los Angeles, and San Francisco; WBF, Tropical Radio Telegraph Co., Hingham, Mass., WNU, New Orleans, La., licenses for additional service (marine relay); Eastern Air Transport, Inc., licenses for 13 planes; KEA, Adam William Lipke, Seldovia, Alaska, license, coastal point-to-point; KHE, Everett Packing Co., moored vessel "Maxama" at Herendeen Bay, Alaska, license, limited public; KWO, Transpacific Communication Co., Ltd., Dixon, Calif., license point-to-point; WSDE, Aeronautical Radio, Inc., Roberts Field, Birmingham, Ala., modification of license for correction of transmitter location to municipal airport, Birmingham, Ala.

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## PATENTS, PATENT SUITS, TRADE-MARKS, DESIGN

The following patents were granted during the week ending September 8, 1931:

- 1,821,916. Pin Holder For Phonograph Records. Arthur M. Acheson, Dobbs Ferry, and George Ramsey, Brooklyn, N. Y., assignors to Durium Products Corp., New York, N. Y. Filed July 24, 1930.
- 1,821,921. Radio Signaling System. Raymond Dorrington Bangay, Brentwood, England, assignor to Radio Corporation of America. Filed April 2, 1925, and in Great Britain April 9, 1924.
- 1,821,935. System For Parallel Operation Of Alternators. James L. Finch, New York, N. Y., assignor to Radio Corporation of America. Filed February 16, 1925.
- 1,821,936. Wireless Telegraph and Telephone Aerial. Charles Samuel Franklin, Buckhurst Hill, England, assignor to Radio Corporation of America. Filed July 31, 1925, and in Great Britain August 5, 1924. Renewed May 5, 1930.
- 1,821,948. Method To Control Light Relays. Fritz Schroeter, Berlin, Germany, assignor to Gesellschaft fur Drahtlose Telegraphie, m.b.H., Berlin, Germany. Filed April 18, 1927, and in Germany May 20, 1926.
- 1,821,997. Compression of Frequency Range. William T. Wintringham, Brooklyn, N. Y., assignor to American Telephone & Telegraph Co. Filed July 10, 1929.
- 1,822,000. Automatic Tape Transmitter. Lloyd L. Young, Port Jefferson, N. Y., assignor to Radio Corporation of America. Filed March 27, 1929.
- 1,822,057. Method For Recording Photographic Sound Records. Freeman H. Owens, New York, N. Y. Filed Sept. 17, 1928.
- 1,822,061. Method and Means for Measuring Light Intensities. Walter van Braam Roberts, Princeton, N. J., assignor to Radio Corporation of America. Filed April 6, 1929.
- 1,822,086. Relay System. Frank B. Falknor and Thaddeus R. Goldsborough, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Co. Filed Sept. 13, 1926.
- 1,822,095. Electrical Sound Producing Device. Jurjen S. High, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Co. Filed July 11, 1928.
- 1,822,129. System and Apparatus Employing the Hall Effect. Palmer Hunt Craig, Cincinnati, Ohio, assignor to Invex Corp., Filed July 9, 1926.
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- 1,822,130. Electrical Converter. Palmer Hunt Craig, Cincinnati, Ohio, assignor to Invex Corporation. Filed Sept. 28, '27.
- 1,822,162. Vacuum Tube Construction. Frederick S. McCullough, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Co. Filed Dec. 7, 1921.
- 1,822,183. Sound Photography System. Delmar A. Whitson, Los Angeles, Calif., assignor to Whitson Photophone Corp., Los Angeles, Calif. Filed July 10, 1928.
- 1,822,359. High Electron Emissive Cathode. Richard E. Miesse, Chicago, Ill., assignor to Q. R. S. DeVry Corp., Chicago, Ill., ~~assignor~~ Filed Sept. 10, 1928.
- 1,822,360. Projection Lamp. Richard E. Miesse, Chicago, Ill., assignor to Q. R. S. DeVry Corp., Chicago, Ill. Filed Sept. 24, 1928.
- 1,822,361. Electrode for Electrical Discharge Devices. Richard E. Miesse, Chicago, Ill., assignor to Q. R. S. DeVry Corp., Chicago, Ill. Filed Oct. 13, 1928.
- 1,822,370. Vacuum Tube Apparatus. Arthur R. Perry, Chicago, Ill., assignor to Grigsby-Grunow Company, Chicago, Ill. Filed December 7, 1929.
- 1,822,450. Sound Reproducing Device. Martin Nystrom, Chicago, Ill., assignor by mesne assignments, to United Research Corp., Long Island City, N. Y. Filed April 10, 1926.
- 1,822,465. Electrical Vibratory Device Such, For Example, As A Loud Speaker. Maurice Trouton, Cuddington, England, assignor to Wireless Music, Ltd., Filed August 7, 1929, and in Great Britain, August 10, 1928.
- 1,822,508. Method of Treating Paper Phonograph Blanks. Edwin M. Schulz, New York, N. Y., assignor to Durium Products Corp., New York, N. Y. Filed March 3, 1930.
- 1,822,535. Mounting For Vacuum Tubes. George R. Lum, New York, N. Y., assignor to Bell Telephone Laboratories, Inc., New York, N. Y. Filed Sept. 30, 1929.
- 1,822,618. High Power Rectifier System. Louis A. Gebhard, Washington, D. C., assignor, by mesne assignments, to Federal Telegraph Co. Filed November 7, 1927.
- 1,822,653. Phonograph Coupling For Radio Receivers. Alfred H. Grebe, Hollis, and Percival D. Lowell, Jamaica, N. Y., assignors to A. H. Grebe & Co., Inc., Richmond Hill, N. Y. Filed June 28, 1930.
- 1,822,683. Remote Control Indicator System. Kurt Wilde, Berlin-Wilmersdorf, Germany, assignor to Deutsche Telephonwerke und Kabelindustrie aktiengesellschaft, Berlin, Germany. Filed Oct. 22, 1927, and in Germany Oct. 23, 1926.



- 1,822,727. Film Phonograph. Guillermo A. del Valle, Schenectady, N. Y., assignor to General Electric Co. Filed October 15, 1929.
- 1,822,731. Means For Supporting Elements In An Electron Device. Robert Harding, Jr., White Plains, N. Y., assignor to Arcturus Radio Tube Co., Newark, N. J. Filed March 13, 1930.
- 1,822,732. Electrode Supporting Structure. Robert Harding, Jr., White Plains, N. Y., assignor to Arcturus Radio Tube Company, Newark, N. J. Filed March 13, 1930.
- 1,822,758. System For Transmitting and Amplifying Vibratory Currents and Movements. Pierre Marie Gabriel Toulos, Puteaux, France. Filed Sept. 16, 1929, and in France Sept. 21, '28.
- 1,822,821. High Frequency Stabilizer. Lawrence A. Hyland, Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Filed March 26, 1929.
- 1,822,813. Speaking Clock. Erich F. Jahnke, Appleton, Wisconsin. Filed November 12, 1926.
- 1,822,825. Piezo Electrical Crystal Apparatus. Dennis L. Ryan and Alfred Crossley, Washington, D. C., assignors to Wired Radio, Inc., New York, N. Y. Filed Dec. 22, 1928.
- 1,822,841. Magnetic Pick Up. Harold P. Donle, Meriden, Conn., assignor, by mesne assignments, to Radio Inventions, Inc., Filed April 7, 1927.
- 1,822,868. Method and Apparatus For Making Graphical Representations at A Distance. David Grimes, Grasmere, N. Y., assignor to Grimes Radio Engineering Co., Inc., New York, N. Y. Filed December 22, 1928.

### Patent Suits

- 1,403,475, H. D. Arnold, Vacuum tube circuit; 1,520,994, same, Electron discharge amplifier; 1,448,216, R. A. Heising, Signaling Device system, filed June 15, 1931, D. C., E.D. N.Y., Doc. 5548, Radio Corp. of America et al. v. Airplane & Marine Direction Finder, Inc.
- 1,710,073, 1,714,191, S. Ruben, Electrical condenser, filed June 3, 1931, D. C., E. D. N. Y., Doc. 5525, Ruben Patents Co., et al. v. Aerovox Wireless Corp.

### Trade-Marks

- Ser. No. 308,753. Samuel Roth, doing business as Federated Purchaser, New York, N. Y. Filed Dec. 8, 1930. Trade-Mark: "RADIO BARGAIN NEWS" for house organ publication printed from time to time. Claims use since November 1929.
- Ser. No. 312,182. Hugo Gernsback, New York, N. Y. Filed March 16, 1931. "TELEVISION NEWS" for Bi-Monthly publication. Claims use since January 7, 1931.
- Ser. No. 315,165. United States Radio & Television Corporation, Marion, Ind. Filed May 28, 1931. "APEX RADIO" for Bulletins and pamphlets published from time to time. Claims use since July 25, 1911.

### Design

- 85,074. Radio Cabinet. Edward Wuenn, Chicago, Ill. Filed February 15, 1930. Term of patent  $3\frac{1}{2}$  years.

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