

# HEINL RADIO BUSINESS LETTER

INSURANCE BUILDING

WASHINGTON, D. C.

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 :: :: **CONFIDENTIAL—NOT FOR PUBLICATION.** :: ::

*M-S-P-M-staff*  
*D. B. Austin*



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No. 461

## CUMMINGS HEARING OPEN TO ALL

The application of C. R. Cummings, of Williamsport, Pa., for 25 channels to be set aside for the exclusive use of local or community broadcasting stations, has been set for hearing October 16, 1931. The applications lists 267 cities and towns in which the applicant desires to erect broadcasting stations.

Because the applicant has failed to name specific frequencies, the notice of hearing mailed by the Radio Commission does not name any specific stations as parties to the hearing. Any party believing itself to be adversely affected by the granting of the application may petition the Commission for leave to intervene. Under the rules of the Commission such petition must be filed at least 15 days prior to the date of the hearing.

The application, filed March 24, 1931, in the name of "C. R. Cummings, Trustee for Community Radio, a corporation to be formed, Williamsport, Pa.", stipulated the following requests:

"(1) That reallocation be made in order that 25 of the present 96 broadcast channels having a 10-kilocycle separation - a total of 250 kilocycles, may be set aside for the exclusive use of community radio stations;

"(2) That the 25 adjacent channels be placed at one end or the other of the present radio broadcast band, either 550-880 kilocycles or 1250-1500 kilocycles;

"(3) That the 25 channels be made available for the exclusive use of local or community stations, for those cities or towns having a population numbering between 10,000 and 100,000 inhabitants; that no such community station be granted in excess of 100 watts power and that no such community station be granted greater power than one (1) watt of power for each 1,000 inhabitants within limits of said city or town;

"(4) That the 25 adjacent broadcast channels, occupying a total of 250 kilocycles, be subdivided to provide 125 adjacent community broadcast channels having a two (2) kilocycle separation;

"(5) That engineering charts be prepared by the Federal Radio Commission apportioning radio facilities to every city and town in the United States, having a population numbering between 10,000 and 100,000;

"(6) That power for community stations be computed for broadcast transmitters having maximum outputs of 25 watts, 50 watts and 100 watts, respectively; that the units of separation in actual licensed power be in the multiple of 5 watts."

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## STATION TOTAL CUT FROM 621 to 612

Although eleven new broadcasting stations were authorized during the fiscal year 1931, the total number of licensed stations in the United States was reduced from 621 to 612, the Federal Radio Commission has just announced, following a compilation of statistics for the 12-month period.

This reduction was effected by the deletion of 20 broadcasting stations, five of which were consolidated with other transmitters and two of which were merged into a single station.

Nearly 1,500 more applications in the broadcasting and communication fields were received during the past fiscal year than during the fiscal year 1930. Last year there were 10,030 applications, while in 1930 there were 8,543.

Most of these requests had to do with renewals and new assignments in the radio communication field. Last year 8,628 of the permits were granted as compared to 7,655 for the previous year.

In addition, the Radio Commission received 20,609 applications for amateur radio station renewals and new licenses. Of these 20,204 were granted. The Commission only last year assumed control of these stations; the authority formerly was in the hands of the Radio Division of the Department of Commerce.

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## WBZ NEW TRANSMITTER INSTALLED

The distinction of being the newest as well as the oldest broadcasting station in New England recently went to Westinghouse Station WBZ upon completion of its new transmitter at Millis, Mass.

The new Millis transmitter will continue to synchronize on 990 kilocycles with WBZA in Springfield. Upon completion of the new broadcasting station, the equipment formerly used was taken down. Included among the equipment razed were the tall antenna masts surmounting the Park Square skyline in Springfield.

Full-time broadcasting from the new transmitter was inaugurated by Walter C. Evans, Westinghouse Superintendent of Radio Operations, who then turned operation over to Phillip F. Robinson, plant manager of WBZ-WBZA.

The Millis equipment embodies many features only lately released from radio research laboratories. Every up-to-the-minute development in apparatus advancement and refinement of design has been built into the new transmitter. The new WBZ transmitter is an RCA coordinated 50 kilowatt type built by Westinghouse. It has the 100 per cent modulation feature, giving approximately four times the efficiency of older transmitter types. The result is good signal level without excessive carrier.

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## COMMISSION RULES TO BE IN BOOK FORM

The Federal Radio Commission will have available shortly after it convenes in September, a draft of Rules and Regulations designed to take the place of existing General Orders governing the operation of all radio stations. A large number of the existing General Orders have been repealed in whole or in part or amended with result that much of their content is of no value.

The new rules and regulations will be issued in book form with an adequate index with the view of making it a useful handbook for all persons engaged in the management and operation of radio stations.

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## TRADE SURVEY BEING MADE BY U. S. BUREAU

An exhaustive survey of radio dealer operations during 1928-1930 is being made by the Electrical Division of the Department of Commerce.

Information regarding nearly all phases of the activities of radio dealers is being collected and compiled for this survey, which is not expected to be completed for about three months, at the end of which time the information will be made public.

Among the queries in the questionnaire which has been sent to dealers are questions dealing with store expenses, who influences sales, what sales methods are used, the amount of actual sales which are made, the popularity of the various types of sets and what priced sets seem to sell the best, what periods of the year bring the most and the least business, and many other matters relative to the business.

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## DOCKET COMPLETED TO OCTOBER 31ST

The tentative docket of cases to be heard by the Examiners of the Federal Radio Commission has been completed to October 31, 1931, and includes about 150 applications.

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## STATION KJR IN HANDS OF RECEIVERS

The Northwestern Broadcasting System, which operates Station KJR, of Seattle, was placed in the hands of receivers last week only a fortnight after the station had been acquired by the National Broadcasting Company.

This action was a part of the general investigation of the A. E. Pierce financial affairs. It was taken by Superior Court Judge James E. Kinne upon the motion of Saul Haas, receiver for the Washington Loan & Securities Company, a stock selling firm operated by Pierce. Haas charged a conspiracy to rob the Washington Loan & Securities Company for the benefit of the defendant companies, which includes the Northwestern Broadcasting System, and declared that the embezzlements totaled \$2,126,590.

Harold L. Scott, auditor, was named temporary receiver for KJR and General Discount & Mortgage Corporation.

The Northwestern Broadcasting System, according to the Seattle Star, is alleged to have received from Pierce, sums totaling over \$300,000 from funds of the Washington Loan, for which the corporation did not receive the stock. The complaint demands that this money be refunded.

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## ARGENTINA RAISES VALUATION ON RADIO ITEMS

Increased valuations on a variety of products associated with the radio and phonograph industries will go into effect in Argentina at the close of this month, according to the Department of Commerce's weekly summary of changes in foreign tariffs.

Among the articles affected are apparatus for radio telephony, receivers, amplifiers or combinations with victrola or phonographs, amplifying tubes, portable phonographs of wood or covered with cloth or leather, electric phonographs and records. Under the new rule the actual payment of duties will constitute the date of entry, and merchandise on which the tariff has not been paid up to midnight of August 31st will be subject to the new valuations.

In order to improve the economic situation in Uruguay, the report continues, an emergency tariff measure prohibits, until the end of this year, the importation of a wide range of so-called non-essential commodities. Among the items to be excluded are mechanical refrigerators, radio apparatus, musical instruments, phonographs and records.

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## NO DEMAND SEEN FOR FACSIMILE BROADCASTING

Although facsimile radio transmission is being used rather widely in commercial communication and is gradually being improved, engineers of the Federal Radio Commission believe that there will never be a sufficient public demand to merit its adaptation to broadcasting.

Point-to-point transmission of photographs, drawings, graphs, and even cheques is not uncommon, and experiments are being conducted, chiefly by the Radiomarine Corporation in the sending of weather maps and news items to ships at sea.

Experiments have been conducted in the field of facsimile radio transmission for several years, and improvements are being recorded from time to time. The transmission is not classed as experimental, as is television, however, and is consequently utilized by commercial concerns.

The Radio Commission issues no specific licenses for facsimile communication, but all short wave stations are privileged to transmit in this field. The American Telephone & Telegraph Company also offers this service by wire in place of via radio.

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## RADIO EXPORTS FOR JUNE SHOW GAIN

Exports of radio apparatus from the United States were valued at \$1,581,140 for last June which is a gain of \$214,181 over last year, according to the Department of Commerce. The total value for the 6-month period ending June 30, 1931, amounted to \$9,748,873, or a gain of \$1,220,600.

In considering radio apparatus by separate items, shipments of receiving sets show the largest gains, the increase for June being \$369,946, and for the 6-month period \$2,249,329; receiving set components, loud-speakers and other receiving set accessories declined. Argentina was the largest single purchaser of radio receiving sets during June exports to that country being valued at \$213,856. Canada was next, taking \$131,347 worth. Italy and Uruguay were also good markets, shipments to these countries being valued at \$77,397, and \$60,332, respectively. New Zealand purchased \$54,223 worth of American radio receiving sets.

In the case of transmitting sets and parts, Brazil was the largest purchaser with Canada and the Philippine Islands next in importance.

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: BUSINESS LETTER BRIEFS :  
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Allen B. DuMont, formerly with the Westinghouse Lamp Company and more recently Chief Engineer of the DeForest Radio Company, announces the opening of his office and laboratory at 9 Bradford Way, Upper Montclair, N. J. He will engage in consulting engineering on television problems and also on problems connected with the development, production and application of vacuum tubes.

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The small country of Denmark is second to the United States in the number of radio receiving sets it has for each 1,000 citizens, according to Dr. Julius Klein, Assistant Secretary of Commerce.

There are 63 sets for each 1,000 in population in Denmark as to 83 in this country. Sweden runs a close third with 60 radios for each 1,000 persons.

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The Coast Guard Bulletin carries the following:

"The Commander, Destroyer Force, reports that arrangements have been made with the Manager of the Radiomarine Station at New London (WSA) whereby that station will answer calls and handle emergent traffic on intermediate frequencies from merchant vessels addressed to Coast Guard units at New London. This is another instance furthering the pleasant relations existing between the Coast Guard and the commercial interests which serves to materially strengthen the protection afforded to vessels at sea."

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APPLICATIONS RECEIVED BY FEDERAL RADIO COMMISSION

August 13 - WMCA, Knickerbocker Broadcasting Co., New York, move transmitter from Hoboken, N. J., to College Point Causeway, Flushing, N. Y.; WFIW, WFIW, Inc., Hopkinsville, Ky, C. P. to rebuild station which was destroyed by fire; WDBO, Orlando Broadcasting Co., Inc., Orland, Fla., direct measurement of antenna input; W. G. Jasper, Muskogee, Okla., C. P. to erect a new station to use 1310 kc., 50 w., share with KFXR; Steward A. Heigold, Yuma, Ariz., C. P. amended to request 1420 kc., 100 w., unlimited time instead of 1500 kc., now requests facilities of KFXR; KVOR, The Reynolds Radio Co., Colorado Springs, Colo., license to cover C. P. granted June 9, 1931, for change in equipment; KJBS, Julius Brunton & Sons Co., San Francisco, Calif., modification of license to change hours of operation.

August 15 - KMLB, J. C. Liner, Monroe, La., modification of license to change frequency from 1200 kc., to 1420 kc., and hours of operation from daytime to unlimited, withdrawing increase facilities from KWEA; WSMB, Saenger Theaters and Maison Blanche Co., New Orleans, La., voluntary assignment of license to WSMB, Inc.; WTEL, Foulkrod Radio Engineering Co., Philadelphia, Pa., license to cover C. P. granted June 26, 1931, for a local transmitter move;

The following application has been cancelled: WDIX, North Mississippi Broadcasting Corp., Tupelo, Miss., cancelled at the request of the applicant.

### Applications, Other Than Broadcasting

August 12 - WNAM, Aeronautical Radio, Inc., Lewisburg, Pa. C. P. for change in transmitter location to Bellefonte, Pa.; WNAJ Aeronautical Radio, Inc., Angola, Ind., C. P. for change in transmitter location to Toledo, Ohio; RCA Communications, Inc.: W2XBZ, New Brunswick, N. J., renewal of license for 4,795, 6425, 8650, 12850, 17300, 25700, 34600, 51400, 60000 to 400000 kc., 80 kw., experimental; W2XDC, Riverhead, N. Y., renewal of license for 1604, 2398, 3256, 4795, 6425, 8650, 12850, 17300, 34600, 51900, 60000 to 400000 kc., 15 w., experimental; W2XCQ, renewal of license for 1604, 2398, 3256, 4795, 6425, 8650, 12850, 17300 kc., 100 w., experimental; KGVB, Inland Waterways Corporation, St. Louis, Mo., KQP, Minneapolis, Minn., C. P. for new service (marine relay, private) for 3112, 4116, 6515 kc., power not to exceed 500 w.; W3XP, Bell Telephone Laboratories, Whippany, N. J., license for special experimental service on 650, 1100, 1480 kc., 1 kw.

August 13 - Aeronautical Radio, Inc.: KNAU (requested) Tulsa, Oklahoma; KNAV, (requested) Oklahoma City, Okla.; WNAU, (requested), Moline, Illinois, C. P.s for 3160, 3166, 3172, 3178, 5570, 5660 kc., 400 watts (WNAU, 50 watts), aeronautical service; KSV, Amarillo, Texas, license to cover C. P. for 8015 kc., 500 watts, point-to-point aeronautical service; WNAK, Cleveland, Ohio, C. P. to cover change in transmitter location, 3160, 3166, 3172, 3178, 5570, 5660 kc., 400 watts, aeronautical service; KHAHS, Pan American Airways, Inc., Plane NC-9685, modification of license to cover change in frequencies, 333, 500, 3070, 5690, 8650, 1688 kc., 12 watts, aircraft service; Don Lee, Inc., Los Angeles, new C. P. for 4300-4600, 48500-50300, ~~60000~~80000 kc., 150 watts, visual service.

August 14 - Knickerbocker Broadcasting Co., portable, new C. P. for 2368 kc., 1 kw., special experimental; WNN, Tropical Radio Telegraph Co., Mobile, Ala., license for transmitter for additional service, 147, 176, 442, 4148, 11290, 13180, 22580 kc., 200 w., coastal and marine relay; KET, RCA Communications, Inc., Bolinas, Calif., license covering C. P. for 9480 kc., 80 KW, point-to-point; W2XAJ, Press Wireless, Inc., Hicksville, N. Y., renewal of license for 11640, 12850, 17300, 19340 kc., 5 kw, special experimental; KRM, Federal State Marketing Service, Los Angeles,



Cal., modification of license for immediate discontinuance of one transmitter, 100 w., Agriculture and marketing; W6XK, Don Lee, Inc., Los Angeles, Calif., renewal of license for frequencies in the amateur bands in accordance with revised amateur regulations, 500 w., special experimental; W2XDF, Faske Engineering Co., Brooklyn, N. Y., modification of C. P. for additional frequencies to be used for visual service, 2850-2950, 4300-4600, 2300-2500 kc., 500 w., experimental.

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## DECISIONS OF THE FEDERAL RADIO COMMISSION

The following action of the Federal Radio Commission was made public by the Commission August 13:

### Applications Granted

WGBS, General Broadcasting System, New York City, authority to extend completion date of C. P. which expires August 15th, covering changes in equipment; KLO, Perry Building Co., Ogden, Utah, authority to extend completion date of C. P. which expires August 14th, covering Construction of portable transmitter to make field measurements to determine a suitable location for KLO's transmitter; KDB, Dwight Paulding, Santa Barbara, Calif., license 1500 kc., 100 watts, unlimited; WKZO, WKZO, Inc., Kalamazoo, Mich., modification of C. P. extending completion date to Sept. 15, 1931; WKBS, Permil N. Nelson, Galesburg, Ill., modification of C. P. extending completion date to Nov. 15, 1931; KUSD, University of South Dakota, Vermillion, South Dakota, license 890 kc., 500 watts, shares with WILL and KFNF; KLX, The Tribune Publishing Co., Oakland, Calif., license 880 kc., 500 w., unlimited time; WCAJ, Nebraska Wesleyan University, Lincoln, Nebr., authority to suspend operation from August 17th to September 6, 1931, inclusive in order to make changes in equipment; WLAP, American Broadcasting Corporation of Kentucky, Louisville, Ky., authority to extend special experimental authority from Aug. 25 to Nov. 25, which authorized change in frequency from 1200 kc., to 1010 kc., and increase in power from 100 w. night, 250 w. day to 250 w. day and night, and change hours of operation from unlimited to three-fourths time.

Also, W3XP, Bell Telephone Laboratories, Inc., Whippany, N. J., license to cover former license which has expired; WRH, American Radio News Corp., Carlstadt, N. J., permission to communicate with foreign stations in an endeavor to establish contact with submarine "Nautilus" now at Spitzbergen; KSI, Aeronautical Radio, Inc., Burbank, Calif., two C. P.s to reconstruct station; WOE, Radiomarine Corp. of America, Palm Beach, Fla., modification of C. P. to extend completion date to Oct. 12, 1931; W3XAU, Universal Broadcasting Co., Byberry, Pa., modification of C. P. to extent completion date to October 12, 1931; The Crosley Radio Corp., plane licenses 3106 kc., 50 w.; W8XAW, West Virginia University, portable

in City of Morgantown, license for experimental purposes; National Air Transport, Inc., two licenses for aircraft; WLOXAC, Atlantic Broadcasting Corp., portable, New York renewal of license 2476 kc., 7½ watts.

### Renewal Of Licenses

KPOF, Pillar of Fire, Denver, Colo.; WCAJ, Nebraska Wesleyan University, Lincoln, Nebr.; WEEI, The Edison Electric Illuminating Co., Boston, Mass.; WFI, Strawbridge & Clothier, Philadelphia, Pa.; KFNF, Henry Field, Shenandoah, Iowa; KSAC, Kansas State Agriculture College, Manhattan, Kans.; WEAN, Shepard Broadcasting Service, Providence, R. I.; WNOX, WNOX, Inc., Knoxville, Tenn.; WMMN, Holt Howe Broadcasting Co., Fairmont, West Virginia.

In the following cases the Commission granted temporary licenses and designated said applications for hearing pursuant to the provisions of General Order 114, section 2:

KFMX, Carleton College, Northfield, Minn.; KGBZ, Dr. George B. Miller, York, Nebr.; KGMP, Bryant Radio & Electric Co., Elk City, Okla.; WCAD, St. Lawrence Univertisy, Canton, N. Y.; WNBO, John Brownlee Spriggs, Silver Haven, Pa.; WAVE, Pillar of Fire, Zarepath, N. J.; WCAL, St. Olaf College, Northfield, Minn.; WOOD, Kunsky-Trendle Broadcasting Corp., Grand Rapids, Mich.

In the following cases temporary licenses were granted due to failure of applicants to submit time-sharing agreements as required by G. O. 105 and said applications were designated for hearing and temporary licenses will be issued beginning 3 A.M. E.S.T. September 1, 1931, and ending according to Special Minute No. 360, adopted April 16, 1931:

WEAO, Ohio State University, Columbus, Ohio; WKBN, Warren P. Williamson, Jr., Youngstown, Ohio.

In the following cases, applicants were unable to reach time-sharing agreements in accordance with G. O. 105, the Commission therefore designated said applications for hearing and temporary licenses will be issued beginning 3 A.M., E.S.T., Sept. 1, 1931, and ending according to Special Minute No. 360, adopted April 16, 1931

WCAC, Connecticut Agriculture College, Storrs, Conn.; and WICC, Bridgeport Broadcasting Station, Bridgeport, Conn.

Applications Denied: WLBL, State of Wisconsin, Department of Agriculture and Markets, Stevens Point, Wis., denied request for authority to withhold the installation of crystal control unit in new transmitter authorized June 24th and to substitute 50-w. oscillator instead, pending supreme Court decision on merger of WHA and WLBL: WKBO, Camith Corp., Jersey City, N. J., denied application of attorney for this station to file exceptions to Examiner's Report No. 216, for the reason this station was not a party participating in the hearing in accordance with General Order 93.

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