

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 :: :: ~~CONFIDENTIAL - NOT FOR PUBLICATION.~~ :: ::

OCT 7 - 1930

PRESS RELATIONS DEPARTMENT
G. W. JOHNSTONE

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No. 374

EXPLAINS NEW WABC HALF-WAVE ANTENNA

The following has been received from Harry C. Butcher, Director of the Washington office of Columbia:

"In your Business Letter of October 2 you have on page 8 a brief paragraph stating that the Columbia Broadcasting System will construct a novel antenna for the new 50 k.w. WABC transmitter in Wayne Township, New Jersey. The paragraph continues: 'It is to be a 700-foot steel tower with the antenna wire proper hanging down inside the metal lattice-work construction.'

"It is true that we shall have a 655-foot tower made of fabricated steel, but the tower itself, more properly called the mast, will be the antenna. Bell Laboratory engineers and Columbia engineers have cooperated in making tests to determine the practicability of such a mast. It will be the first to be erected in this country, and we believe the first one of its kind in the world.

"Technically, it is known as a half-wave antenna. The base of the mast will rest in a porcelain insulator and the mast will be guyed at only one point, the center. The engineering difficulties involved may be appreciated when you consider that the mast will be 100 feet higher than Washington's monument.

Will Use Reflector Light

"Special plans for lighting the top of the mast so it may be seen at night by aviators are being drawn by the Bureau of Lighthouses, Department of Commerce. It will be impossible to have a satisfactory gas or electric light at the top of the mast so we plan using a cone-shaped chromium-plated reflector, upon which beams of light cast by four searchlights on the ground will shine consistently at night.

"The advantage of the half-wave antenna is that it eliminates the sky wave and gives a better signal in the service area.

"We plan to use the same type of antenna for WBT, at Charlotte, providing the one for WABC proves satisfactory, of which we are quite confident. We figure use of this mast will increase the service of the station to the public by 40 to 70 per cent."

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N. Y. RADIO SHOW REPORTED OFF

In response to a telegraphic inquiry made by us asking what the attendance was at the New York Radio Show and how it compared with last year, word came back that these figures had not been compiled and those in charge of the Show reported they didn't know when they would be.

In the meantime Variety has printed the following comment:

"Radio show in N. Y., which closed Saturday, is reported having gone well into the red. Its attendance fell off 30% from last season.

"It was mainly a furniture exhibition. Show last Fall had around 350 manufacturers represented, against 135 this year. In former years, radio accessory manufacturers fought for booth space in the balcony of the Garden, while this year all the booths were on the main floor.

"The lack of any innovation in radio or television that could be ballyhooed, reacted. Public refused to pay attention or money.

"A hotel authority claims a number of dealers with private exhibits at hotels vamped, didn't meet their rent."

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CeCo ESTABLISHES NEW BRANCH

E. T. Maharin, Vice-President in Charge of Sales of the CeCo Manufacturing Company, has announced the opening of another wholly-owned distributing branch to be located at 800 Sycamore Street, in Cincinnati.

Eric Matchette, formerly President of the Carnegie Distributing Company in Pittsburgh, a CeCo subsidiary, has taken charge of the new corporation known as the CeCo Radio Tube Company of Ohio, Inc. Emmett Tydings has succeeded Mr. Matchette in charge of the Pittsburgh subsidiary.

The formation of the Cincinnati branch brings the list of CeCo distributing subsidiaries to seven. The others are located in New York, Boston, Providence, Pittsburgh, Chicago and Philadelphia.

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RADIO EMPLOYMENT INCREASES

The Bureau of Labor Statistics reports a considerable increase in both employment and payrolls in the radio manufacturing industry in August as compared with July.

Forty-four radio manufacturers reported their employment at 25,516 in July, and 32,103 in August, an increase of 25.8 per cent. The weekly payrolls in these plants increased from \$622,045 in July to \$868,765 in August, or 31.2 per cent.

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RADIO ENDS LANGUAGE CONFUSION

A radio system has been devised for use at the Sixth International Road Congress, which opens today in Washington, D.C., to enable the delegates to hear the addresses in one of four languages simultaneously.

The arrangement will do away with the babble that usually accompanies the interpretation of speeches at international conferences.

The arrangement is one of microphone and headsets. The speaker will not talk into a microphone, and the delegates who understand the language he uses will not need earphones. Interpreters, however, will translate the address softly into their respective microphone, from which the message will be carried by wire to the headsets of the delegates who understand one of these other three languages.

Thus a Frenchman will hear French, a German will hear German, and a Spaniard will hear Spanish, while the speaker is talking in English.

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RADIO'S GROWTH IN SIAM

The growth in use of radio in Siam has been notable, the Department of Commerce reports. In 1928 the number of words sent was 75,271, whereas in 1929 the number had multiplied to 416,671. Words received by radio in 1928 numbered 849,291; by 1929 the number had increased to 1,078,969. The total words handled, therefore, in 1929, amounted to 1,495,640, as compared with 924,562 in 1928 - an increase of nearly 62 per cent.

Before the radio stations were established this work was all handled by land lines and submarine cables. Cheapness, rapidity, and the dependability of the service are claimed to be responsible for the large increase in radiograms.

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GIVES SHARP REPLY TO SCHUETTE CHARGES

The following statement has been issued by C. L. Bardo, President of the New York Shipbuilding Company, refuting the attack of Oswald Schuette on Secretary of Labor Davis for Speaking at the Camden County Chamber of Commerce dinner, at the time of the dedication of the New RCA-Victor factory, Friday, September 19th, at which Mr. Bardo acted as toastmaster:

"Much publicity recently has been given to an attack on Secretary of Labor James J. Davis, issued by one Oswald Schuette, Executive Secretary of an organization which calls itself the Radio Protective Association.

"Mr. Schuette publicly criticizes Mr. Davis for having spoken at a dinner which we held in Camden, Friday, September 19th, as part of a demonstration celebrating the addition of more than 21,000 employees to the forces of our leading industries.

"As a member of the Board of Directors of the Camden County Chamber of Commerce which gave the dinner and organized the entire celebration and also as toastmaster of the dinner itself, I feel that Mr. Schuette has done a grave injustice to Secretary Davis in both misrepresenting his statements and misconstruing the purpose of his talk.

"Secretary Davis came to Camden at the invitation of the Camden County Chamber of Commerce. He spoke at a dinner which was given and financed by the Camden County Chamber of Commerce. He devoted all of his talk to emphasizing the importance of constructive action as the only means for overcoming business depression. In this connection he praised Camden industry for 'putting to work some additional 21,000 workers.'

Quotes From Verbatim Report

"Mr. Schuette, in a public statement says, 'In his (Secretary Davis') speech which was broadcast over the "radio trust" chain, Secretary Davis congratulated the "trust" officials on the fact that they had employed 21,000 workers in the plant.'

"It is interesting to note that in his talk, a verbatim copy of which I have in my possession, the Secretary never once referred to any individual company nor to any group of companies. The only statement in his talk referring specifically to the employment of 21,000 men was as follows: 'We already know now how to break depression when it comes. Right here in Camden is shown one of the ways in putting to work some 21,000 additional workers. And may I say to those listening in who live outside the City of Camden that this celebration means that 21,000 workmen here are returning to work and there are enough workers already here to man these factories.'

"As for the existence of a 'radio trust' and the Attorney General's suit against the Radio Corporation of America, the case is still in the courts, and we in Camden are accustomed to regard our citizens and industries as innocent until they are proven guilty.

"Certainly, Secretary of Labor Davis cannot be expected to regard as enemies of the Government, all of those, whose competitors through one means or another, have been able to drag into the Federal Courts.

Declares Unfair Light Cast Upon Secretary Davis

"Mr. Schuette obviously is attempting to use the speech of Secretary Davis at the Camden dinner as an excuse to further his organization's interests and in this capacity his statements do not warrant consideration. However, insofar as the publicity given to them casts an unfair light on the Secretary's commendable action in speaking in Camden, they should be exposed and refuted with the same emphasis and energy with which they were issued.

"The country today needs confidence. Good news creates confidence. The Hoover Administration has done a remarkable piece of work in restoring and maintaining the confidence that was so severely shaken in the cataclysm of October, 1929. It is a sad thing for America if the President and members of his Cabinet are to be criticized every time they participate in events that are wholly designed to draw national attention to major steps in the restoration of normal American prosperity."

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NAVY OPENS BIDS ON TOWERS

The Navy Department on October 3rd issued invitations for bids on four steel radio towers to be erected at the Naval Research Laboratory at Bellevue, D.C., for experimental work in the super-high frequency band.

Communications will be opened on October 15th in the Bureau of Yards and Docks, Navy Department.

The towers, which are to be 200 feet high, will be used as alternate transmitters for the stations at Arlington, Va., and Annapolis, Md.

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COLUMBIA SEEKS TO TRY TELEVISION TESTS

The Columbia Broadcasting System is eager to enter the experimental television field so that it will be prepared to compete with others when visual broadcasting is developed sufficiently to permit its use on a commercial basis, witnesses told the Federal Radio Commission October 3rd at a hearing on the application of the Atlantic Broadcasting Company, CBS subsidiary, for a new television station in New York City.

Harry C. Butcher, Director of the Washington office of Columbia, cited the alliance between the Paramount-Publix motion picture corporation and the Columbia System and emphasized the need of his organization to be prepared for the next step in the entertainment field.

After testimony had been offered that RCA-Victor Corporation apparatus would be used, Gerald C. Gross, Commission engineer, expressed the opinion that the CBS experiments would merely duplicate those now being conducted by the National Broadcasting Company in the New York area. This would be unwise, he said, because of the scarcity of television channels.

Paul M. Segal, as counsel for the applicants, contended that even though the same apparatus would be employed by the competitive companies at the outset, the competition would make for progress. He said Columbia has its own competent technical staff which will continue research once the preliminary details are obtained from the RCA-Victor Company.

Declaring that there are only four full time channels for television available to the United States, Mr. Gross pointed out that 27 licensed experimenters are assigned to them. Any increase in the number of television experimenters on any of these bands, he asserted, will result in increased interference.

M. A. Trainer, television engineer of the RCA-Victor Corporation, explained that he had been detailed the assignment of installing the television apparatus for Atlantic if the Commission grants the application.

Questioned by Ben S. Fisher, Assistant General Counsel of the Commission, Mr. Trainer said that television "is still in the experimental stage."

E. K. Cohan, Technical Director of Columbia, explained that all the technical resources of that organization will be available to the Atlantic Corporation in connection with television. Moreover, he said, "all of the talent and experience of the Paramount-Publix Corporation will be available for visual purposes."

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HARKNESS TO PROMOTE EDUCATIONAL PICTURES

W. E. Harkness, formerly in charge of Station WEAJ in New York, has been placed in charge of the sales development work of the Educational Department of the Electrical Research Products, Inc., a subsidiary of the Western Electric Company in New York City.

Electrical Research Products have been furnishing broadcasting stations throughout the country Western Electric Reproducing equipment for reproducing recorded programs for broadcasting purposes.

Up to the present, 95 stations have been equipped with this apparatus and the company's recording licensee has started production on a number of important programs which are to be presented in recorded form.

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CALDWELL URGES SUPER-POWER

Following, in part, is an editorial by O. H. Caldwell, former Radio Commissioner, in the October issue of Electronics, of which he is an editor:

"Federal commissions concerned with routine become futile things; and in its efforts to administer radio with one ear held close to the lips of its political masters, the Federal Radio Commission is no exception to this rule.

"Its recent regulation preventing half of the broadcasting stations on clear channels from having high power, (even though such stations are willing to spend hundreds of thousands of dollars for high-power equipment and thus to serve the public with high-intensity signals), is but an example of the Commission's absurd struggles to comply with the politicians' behests, even at the cost of public service.

"If high power is good on four channels out of eight in each zone, certainly it is just twice as much in the public interest to have all eight go to high power.

"In its present attitude of restricting and limiting the use of high power on half of the forty clear channels, the Radio Commission is operating directly in opposition to the public interest, and contrary to the consensus of all expert and engineering opinion.

"It is deliberately wasting the priceless public resource of the radio channels and imposing a senseless hobble on the enjoyment of good broadcasting by millions of our people."

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EIGHT FOURTH ZONE STATIONS ASK 50 KW

Representatives of about 18 broadcasting stations, 8 of them applicants for permission to use 50 KW power, were present in the hearing room of the Federal Radio Commission when the Fourth Zone hearings were opened this (Monday) morning.

The applicant stations are WCFL, WHO-WOC, WCCO, WMAQ, WBBM-WJBT, KFAB, WTMJ, and WGN-WLIB.

Through arrangement with WCFL and WHO, WCCO was allowed to take the stand first. Represented by William J. Donovan, B. M. Webster, and Paul Segal, WCCO called Henry A. Bellows, former Federal Radio Commissioner and now director of the station, as the first witness.

Mr. Bellows declared that he did not see any reason why any cleared channel station should not be allowed to use 50 kw power, but that he thought each station should be considered individually, then granted the maximum power if it was merited.

After an argument between several of the lawyers present, KSTP, St. Paul, was allowed to cross-examine Mr. Bellows and other WCCO witnesses, even though it had not received notice of the hearing, or made any provision for being there, with Examiner Ellis A. Yost reserving the decision on whether or not this cross-examination would be admitted as part of the record.

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KAUER JOINS INDUSTRIAL TOUR

Ernest Kauer, President of the CeCo Manufacturing Co., is accompanying the group of New England business men who helped to make up the party of industrialists, executives and bankers who on October 7th will begin a tour of important research laboratories in the East and Middle West. The tour has been arranged by the National Research Council for industrial leaders who are keenly interested in the meaning of the work of these centers of scientific development to America's industrial future.

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YOUNG WOMAN GRANTED COMMERCIAL OPERATOR'S LICENSE

Miss Barbara Russell Sprague, 17 of Washington, D. C., has been granted a commercial radio operator's license. She is said to be the youngest woman operator ever licensed by the Government.

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TWO APPLICATIONS GIVEN O.K. BY EXAMINERS

Granting of the applications of Mosby's, Inc., of Missoula, Mont., and Purdue University, West Lafayette, Ind., for modification of WBAA's license was recommended October 6th in reports made by Chief Examiner Ellis A. Yost and Examiner Elmer W. Pratt.

Yost pointed out that Missoula is without any broadcasting reception, that Montana is under quota and that no interference is likely to result from the erection of a new station to operate on 1420 kilocycles with 100 watts from 10A.M. to 6 P.M. daily.

Pratt recommended that WBAA be permitted to increase its power from 500 to 1,000 watts during the day, with 500 watts at night, on the ground that such an increase is so slight that the "corresponding benefit to the listening public of Indiana will more than offset" the fact that the Zone is already over quota.

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WISJ INJUNCTION DISMISSED

The District Supreme Court on October 4th dismissed the temporary injunction preventing the Radio Commission from permitting WISJ, of Madison, Wis., to operate experimentally on the 780 kilocycle channel. The action was started by Station WBBM, of Chicago, on the grounds that the channel was too close to its own frequency in view of the proximity of transmitters.

Justice Oscar H. Luhring held that Station WBBM should have filed an appeal in the District Court of Appeals instead of proceeding as it did.

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SOUTHERN ZONE HEARINGS END

The Third, or Southern, Zone hearings on 50,000 watt applications concluded on October 2nd following a clash between two Memphis, Tenn., broadcasting stations, WREC and WMC. Both sought the channel now occupied by WSM, which also applied for the maximum power.

Station WMC had been on the air since 1923, it was pointed out, while WREC began operating in 1926.

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DECISIONS OF THE FEDERAL RADIO COMMISSION

The Commission on October 3rd granted the following applications:

WSAN, Allentown Call Publishing Co., Inc., Allentown, Pa., license on 1440 kc., 250 watts, shares with WCBA; KFEQ, Scroggin & Co., Bank, St. Joseph, Mo., license 680 kc., $2\frac{1}{2}$ KW power 6 A.M. to local sunset; KGHL, Northwestern Auto Supply Co., 6 miles from Billings, Mont., license 950 kc., 1 KW, unlimited time; KPJM, A. P. Miller & Geo. R. Klahn, d/b as Miller & Klahn, Prescott, Ariz., modification of C. P. 1500 kc., 100 watts, unlimited time, extension of completion date on C. P. to October 4, 1930.

Also, WEDR, Mackay Radio & Telegraph Co., Steamship "Sierra" radio compass 375 calling: 500, 5525, 11050, 16580; working: 400, 5555, 6590; 250 watts, on temp. basis pending receipt of formal application; KGJX, Police Dept. City of Pasadena, Cal., extension of time for completion of tests for period of 10 days from Oct. 1, 1930; WSC, Radiomarine Corp. of America, Tuckerton, N. J., C. P. for new high powered high frequency transmitter. Calling: 5525; 11050, 16580, 22100; working: 6486, 8350, 8370, 12820, 12520, 12670, 13210, 16780, 21700, 21740, 21780, 21820 kc., 70 KW, A1 and A2 emission; the Commission reserves right to change frequency without advance notice or hearing; WCC, Radiomarine Corp. of America, Marin, Mass., C. P. for new high power, high frequency transm., calling: 5525, 11050, 16580, 22100; working: 6455, 6470, 8430, 12640, 12580, 16740, 21860, 21900 kc., 70 KW, A1 and A2 emission; Bell Telephone Laboratories, Inc.; Ocean Township, N. J., 2 licenses for transatlantic and ship-to-shore telephone and for portable, and at Deal, N. J., frequencies: 4752.5, 6755, 8630, 9170, 9750, 9870, 12840, 13390, 10550, 14470, 14590, 16270, 18340, 19220, 21060, 17120, 21420 kc., 1 KW, for period of 90 days (Deal - 20 KW);

Also, WMJ, City of Buffalo (Police Dept.), Buffalo, N. Y., license for police service frequency 2422 kc., 300 watts; W6XAJ, Glove Wireless, Ltd., Los Angeles, Cal., license frequencies 1604, 2398, 3256, 4715, 6425, 8650, 12850, 17300 kc., 1500 watts; WTF, United States-Liberia Radio Corp., Akron, Ohio, modification of license 19780 kc., 750 watts A1 emission, to communicate with Monrovia, Liberia, West Africa, 12 hrs. daily operation covering alternate 1 hr. intervals in accordance with mutual agreement between licensee and Standard Oil Co. of N. J. and Firestone Tire & Rubber Co. WCC, Radiomarine Corp. of America, Marion, Mass., license for new transmitter; call: 5525, 11050, 16580, 22100 kc., working: 6455, 6470, 8430, 12640, 12580, 16740, 21860, 21900 kc., 40 KW, A1 and A2 emission; WEG, RCA Communications, Inc., Rocky Point, N. Y., modification of license to change location of transm. from Rocky Point to New Brunswick, N. J., 7415 kc., 80 KW; WSS, RCA Communications, Inc., Rocky Point, N. Y., renewal of license, 18.8 kc., 200 KW to communicate with Buenos Aires, Warsaw, Prague, Berlin and other stations; WGC, Same Co., Tuckerton, N. J., renewal of license 22.1 kc., 200 watts, A1 and A2 emission, points of communication Oslo, Bolinas, Maracay and other stations; WCI, Same Co., Tuckerton, renewal of license 18.4 kc., 200 KW, A1 and A2 emission, to communication with London, Rome, Amsterdam, Angora and other stations; WRQ, Same Co.,

Marion, Mass., renewal of license 22.35 kc., 200 KW A1 and A2 emission, to communicate with Berlin, Ship subscribers to RCA Press and other stations of RCA; KIE, RCA Communications, Inc., renewal of license 18 kc., 200 W, A1 and A3 emission, to communicate with San Francisco, Tokio, Manila, Java, and other stations of RCA; KGI, Same Co., and location, renewal of license 18.6 kc., 200 KW, to communicate with stations as above; W7XD, Libby, McNeill & Libby, Libbyville, Alaska, renewal of license for 90 days, 1540, 3184 kc., 50 watts; W1)XI, Aircraft Radio Corp., Plane NC-9746, renewal of license 3256, 6425 kc., 15 watts; W10XZ, C. Francis Jenkins, Monoplane NC-444-H, renewal of license 1604, 2398, 4795, 6425 kc., 6 watts, to operate daylight hours only; WCAE, Kaufman & Baer Co., Pittsburgh, Pa., permission to intervene in opposition to application of Edwin J. Kruse, for C. P. to construct station at Warren, Ohio, to operate on 1200 kc., 50 watts, (WCAE operates on 1220 kc); WRBQ, J. Pat Scully, Greenville, Miss., permission to temporarily stop broadcasting for 14 days beginning Oct. 4th, in order to erect new aerial and bases for generators; Ship Licenses: 20 modification of licenses, 8 renewals and 1 new license.

Applications Denied

KMLB, J. C. Liner, Monroe, La., denied authority to extend experimental authority to operate unlimited hours until Oct. 15, 1930; WSET, South Bend Tribune, South Bend, Ind., denied authority to operate simultaneously with WFBM at Indianapolis each Saturday during October from 2 to 3 P. M., in order to broadcast football games at South Bend and Indianapolis.

Applications Dismissed

The following were set for hearing but applicants desired to withdraw their respective applications: WILM, Delaware Broadcasting Co., Wilmington, Del., asked for C. P. 620 kc., 50 watts, unlimited time; KGKL, KGKL, Inc., San Angelo, Tex., asked for C. P. 1280 kc., 500 watts, unlimited time; J. S. Lamb Piano Co., Cairo, Ill., asked for C. P. 1200 kc., 50 watts, unlimited time; W. Clyde Martin, Palmyra, Ind., asked for C. P. 900 kc., 1KW, unlimited time; Howard P. Drake, Bolivar, Mo., asked for C. P. 1320 kc., 15 watts.

Set For Hearing

John R. Sylvester, Latrobe, Pa., requests C. P. for new station on 1500 kc., 100 watts, unlimited hours; Ron. L. Wollard, Newark, Ohio, requests C. P. to erect new station to operate on 1310 kc., 50 watts, unlimited hours of operation; William S. Walker, Pittsburgh, Pa., requests C. P. 1500 kc., 100 watts, unlimited hours; WMBD, Peoria Heights Radio Laboratory, Peoria Heights, Ill., requests license 1440 kc., 1 KW day and 500 watts night, shares with WTAD; Murray J. Merciar, Columbus, Ohio, requests C. P. for experimental television transmitter 3000 kc., or higher, 1 KW power.

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APPLICATIONS RECEIVED BY FEDERAL RADIO COMMISSION

October 2 - WLAP, American Broadcasting Corp. of Ky., Louisville, Ky., C. P. to move old equipment to present location, Phillips Lane, Louisville, to be used as an auxiliary transmitter to be operated on 30 watts; WMMN, Holt-Rose Novelty Co., Fairmont, W. Va., C. P. to change equipment and increase power from 500 watts day and 250 watts night to 500 watts full time on 890 kc.; WDIX, W. A. Blair & John R. Anderson, d/b as Blair & Anderson, Tupelo, Miss., request for authority to voluntarily assign license to the North Mississippi Broadcasting Corp.; KGOR, Cutler's Radio Broadcasting Service, Inc., Watertown, S. D., application amended to request 1090 kc., instead of 1190 kc., with 1 KW.; KESG, Echo Park Evangelistic Association, Los Angeles, Calif., request for authority to install automatic frequency control

To correct report No. 57 dated 9/24/30, request should read as follows: WBZA, Westinghouse Electric & Mfg. Co., Hotel Statler, Boston, Mass., C. P. to move transmitter from Boston, Mass., to 625 Page Blvd., East Springfield, Mass., change equipment and increase power from 500 W. to 1 KW, on 990 kc.

October 3 - WRC, Radio Corporation of America, Washington, D. C., and WJZ, New York, N. Y., request for authority to voluntarily assign licenses to the National Broadcasting Company, Inc.; WEAS, The Courier-Journal Co., and the Louisville Times Company, Louisville, Ky., modification of license to increase power from 10 KW, to 50 KW on 820 kc.; G. E. Shumate (Shumate Radio Service), Bluefield, West Va., C. P. to erect a new station to use 1310 kc., 10 watts and daytime hours; WMC, Memphis Commercial Appeal, Inc., Memphis, Tenn., C. P. to install new equipment, change frequency from 780 kc., to 650 kc., and increase power from 1 KW day and 500 w. night to 50 KW., unlimited; KGB, Pickwick Broadcasting Corp., San Diego, Calif., modification of C. P. to change type of equipment on C. P. issued 6/10/30; KGFL, W. E. Whitmore, Raton, New Mexico, license to cover C. P. issued 8/26/30 to move transmitter and studio locally; KUJ, Columbia Broadcasting Co., Inc., Longview, Washington, request for authority to voluntarily assign license to Paul R. Heitmeyer; KUJ, Paul R. Heitmeyer, Longview, Wash., C. P. to move transmitter and studio of Station KUJ to Klamath Falls, Oregon, change frequency from 1500 kc., to 1450 kc., and hours from ½ time to unlimited with 100 w.

Applications Other Than Broadcasting - October 3rd: WOA, Pan American Airways, Inc., North Beach, New York, N. Y., license to cover C. P. for 278, 2262, 3070, 5690, 8015 kc., 300 watts, 15 w. on 278 kc.; Same Co., KHFKP, NC-75-K, renewal of license for aircraft on 333, 414, 500, 2632, 3070, 5690, 8015, 8650 kc., 12 watts; WNU, Tropical Radio Telegraph Co., New Orleans, La., renewal of limited public license for 73.90, 6785, 10470, 12970 kc., 200 w., 1 KW., 1200 w., 1200 w., and 20 KW (5 transmitters); WPA, Radiomarine Corp. of America, Port Arthur, Texas, renewal of marine relay license for 131, 418 kc., 1 KW, 500 w. 4 KW (3 transmitters); WQDP, S.A.T. Flying Service, Inc., Hapeville, Ga., assignment of license to Aeronautical Radio, Inc.; Aeronautical Radio, Inc.: KGUF, Dallas, Texas, WQDP, Atlanta, Ga., KGUP, Phoenix, Ariz., KGUA, El Paso, Texas, KGUN, Douglas, Ariz., KGUG, Big Springs, Texas, C. P. for new transmitters on 5630, 3484, 278 kc., 400 w., and 15 watts.

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