

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 :: :: CONFIDENTIAL—NOT FOR PUBLICATION.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

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No. 377 (out of place - interchanged
with 378)

COURT RECOGNIZES UNIVERSAL WIRELESS' INSOLVENCY

After hearing arguments in the short wave litigation revolving around the 40 short wave communication channels assigned to Universal Wireless Communications, Inc., the District Court of Appeals on Tuesday recognized the insolvency of the corporation and declared its frequencies forfeited. The question then arose as to the disposition of the channels.

An indication that the Radio Commission might designate the channels for uses other than commercial point-to-point communication, should the case be remanded, was given by Duke M. Patrick, Assistant General Counsel of the Commission.

Asked what should become of the Universal frequencies, Mr. Patrick said that the "increasing uses of radio" in this country, particularly of aviation and of other types of service, had brought the Commission to the determination that they might more advantageously be employed in other services rather than point-to-point message communication.

Since the Commission blocked off the continental frequencies for point-to-point services, the demands for these other services, involving safety of life factors, such as aviation, "have far exceeded the expectations", he declared.

Would Reallocate

"I think the Commission may remand the case in toto, remand in part and reallocate in part, or, under the broad terms of the law, reallocate", Mr. Patrick stated. He added, however, that it was the Commission's view that the entire case should be remanded.

John W. Guider, counsel for Intercity, in replying to the question, declared that it was his view that it would be advisable to remand the entire case to the Commission.

Chief Justice Martin interposed that the court was confronted with the proposition as to whether it should remand the entire case because the situation is "so absolutely different" by virtue of Universal's bankruptcy, and the changed financial structure of Intercity. He said that the appeals jurisdiction of the court is different from an original jurisdiction, and that this factor also is involved.

For RCA, Swager Sherley suggested that with the 40 Universal channels available for redistribution that RCA should be given 40 additional channels in addition to the six it had prior to the short wave distribution, giving it a total of 46, or all it had requested for its proposed domestic service linking 29 cities; that Mackay, whose petition was denied outright by the Commission be given 14 channels in addition to the five it had prior to the

allocation and that the Western Radio Telegraph Company be given the three assigned it by the Commission. This would leave 21 of the 88 frequencies left, to care for the needs of Press Wireless, Inc., and for any other use the Commission might desire to make.

Mackay, through Charles Evans Hughes, Jr., expressed the view that the court should remand the entire case to the Commission, with instructions that the requests of the Mackay company for 27 continental frequencies be given it to provide a "communications service with both wire and radio."

Calls Plan Impossible

On the first day of the hearing, Mr. Hughes told the court that it is impossible, even with all of the available radio facilities, to establish, in fact, a "nation-wide radiotelegraph network", as the appellants and the Universal Company had proposed. Radio can be used continentally only as supplemental to established land lines, and that is what the Mackay Company proposes to do and can do, he declared. Citing that the Mackay Company is one of the branches of the International Telephone and Telegraph Corp., which is engaged in every phase of communication, both wire and radio, Mr. Hughes declared that this \$400,000,000 corporation is the only one able and qualified to justify a grant of the continental channels.

All three appellants attacked the Commission's grant of 40 of the 88 continental short-wave channels, to the Universal Company, now in voluntary bankruptcy. They asserted that this company's proposal of linking 112 cities with only 40 frequencies, was "visionary."

The grant of 20 of the remaining frequencies to Press Wireless, Inc., was attacked by two of the appellants - RCA, through its counsel, Thurlow Gordon, and Mackay, through Mr. Hughes and former Judge Harry J. Covington. Both contended that this company is not actually and entirely representative of the press of the Nation, and that it is not essentially a public utility common carrier organization.

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ARMY MEN NAMED FOR RADIO PARLEY

Maj. Gen. George S. Gibbs, Chief Signal Officer of the Army, has been named a delegate to the second meeting of the International Technical Consulting Committee on Radio Communication at Copenhagen, Denmark, in 1931, by the War Department.

Lieut. Wesley T. Guest and Lieut. Thomas H. Maddocks, both of the Signal Corps, have been designated as technical advisers to General Gibbs, who was a delegate at the first meeting of the Committee in 1929.

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DISCS USED BY 122 STATIONS

An extensive series of recorded programs was inaugurated on approximately 122 broadcasting stations, large and small, last week.

At a special demonstration marking the opening of the new Sound Studios, Inc., at 50 West 57th Street, New York City, members of the press and representatives of several broadcasting organizations were given a chance to see how the programs are made.

Stations KDKA and WBZ are among the clients of the new organization. Power of the stations ranges from 50 watts to 50,000 watts. Western Electric equipment is used in the Sound Studios.

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SUPREME COURT SETS RADIO HEARINGS

The United States Supreme Court has announced that it will hear two cases challenging the constitutionality of the Radio Act next month.

The cases are those brought by the American Bond and Mortgage Co., and Trianon, Inc., and by Clinton R. White.

The White case will be reached in November and under the court's announcement, the other will be heard at the same time.

The question at issue is the validity of the Act of Congress which asserted Federal control over radio broadcasting. This law, under which the Federal Radio Commission was established, is based on the jurisdiction of the Federal government over all matters relating to interstate commerce.

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RADIO ADVERTISING PROPORTIONATELY SMALL

The total estimated appropriations for radio advertising last year, including the cost of talent, is only seven per cent of the whole amount expended for advertising, Editor & Publisher states on the basis of expenditures of ten general advertisers.

All told advertisers spent about \$1,400,000 in 1929, it is estimated, and of this \$18,700,000 went for radio time. This is only four per cent of the whole, but the talent and telephonic communication would probably raise it to seven per cent.

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FOURTH ZONE HEARINGS END

Lasting almost twice as long as the first three Zones' hearings, the Fourth Zone session of the super-power hearings was concluded last Tuesday with testimony by Dr. C. B. Jolliffe, Chief Engineer of the Federal Radio Commission, upholding the order limiting 50,000 watt stations to 20 cleared channels.

Columbia officials came to the aid of WBBM in its plea for full time operation with the maximum power. Pointing out that Chicago is the gate to the West, witnesses testified that WBBM was unable to use all CBS programs and thus advertisers could not be given full coverage of the Chicago area. It was revealed, however, that WMAQ also takes Columbia programs.

Counsel for KFAB, Lincoln, Nebr., and WTMJ, of Milwaukee, cross-questioned WBBM witnesses and then presented argument in behalf of their own applications for 50,000 watts. KFAB, which shares time with WBBM, also seeks full time. Its representatives contended that Nebraska does not get adequate radio service under the present arrangement and they pointed out that KFAB is the only cleared channel station in the State.

WTMJ, which sought the 870 kilocycle channel, was opposed by WLS and WENR, both of Chicago, which now occupy the channel. Counsel for WEBC, of Superior, Wis., and WISN, of Milwaukee, asked leave to intervene to protest against any Commission action which would prevent their clients from improving their assignments.

WTMJ counsel offered figures to show that Wisconsin has not been accorded its share of radio facilities under the Davis Amendment. A protest was filed against the Commission ruling which prevented the station from applying also for WBBM's channel.

A pessimistic view of television was given by W. E. Macfarlane, business manager of the Chicago Tribune station WGN, in testifying in behalf of an application for 50,000 watts. Declaring that WGN engineers had investigated the experiments in visual broadcasting, he said:

"I confess also that our reports indicate a doubt whether satisfactory television by radio will ever be achieved practically or whether, if it is, there will be sufficient bands of frequencies for it. It seems to us that when television comes, it will be transmitted by wire and not by radio."

While WGN was the last of the eight Fourth Zone applicants to be heard, WLS and WENR were permitted to offer testimony in defense of their assignments of the maximum power.

The Radio Protective Association during the hearing filed with the Radio Commission a protest against an increase in the number of channels devoted to high power stations. If the Association's protest should be over-ruled, it asked that the high power stations be grouped in a single section on the radio dial so that they will not injure the "low-powered, independent broadcasters."

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WBAL TO CELEBRATE FIFTH BIRTHDAY

Great plans are being made by Station WBAL, at Baltimore, to celebrate the station's fifth birthday anniversary, Saturday, November 1st. This will take the form of a special program participated in by a pageant of entertainers beginning at 11 P. M., E.S.T., and lasting for two hours.

An anniversary poem written especially for the occasion by Sally Bruce Kinsolving, one of the well-known poets of the day, and a Baltimorean, will be read by the author. Anniversary greetings will be broadcast by Herbert A. Wagner, President of the Consolidated Gas, Electric Light and Power Company, owners and operations of WBAL.

Under the direction of Frederick R. Huber, who is an outstanding musical authority, WBAL has maintained a high standard of entertainment and has been conspicuously successful. It is among those stations which have filed application with the Radio Commission for an increase to 50,000 watt power.

Station WBAL first came on the air in November, 1925, as a 5,000 watt station; later it increased its power to 10,000 watts and in the 1928 reallocation, it was recognized by the Commission as one of the clear channel major broadcasting stations. It is the only high-powered station in or near the city of Baltimore or in the State of Maryland.

Under the supervision of G. W. Cooke, Chief Engineer, many improvements have been made at WBAL's transmitting station and in the control rooms of the broadcasting studios. Among these has been the installation of crystal oscillators which serve to keep the station on its wave and to lessen fading. Mr. Cooke has also designed and developed a new type of condenser microphone which is now used entirely at this station. WBAL broadcasts the WJZ network programs of the NBC.

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EFFECTS OF BAD TUBES DISCUSSED

The following press statement has been issued by the RCA Radiotron Company:

"There is an erroneous impression that one or more worn-out radio tubes will have a very serious detrimental effect on the transformers in the same set. This is not true, according to RCA Radiotron engineers. They point out, however, that one or two worn-out tubes in a set will mar the satisfactory and efficient performance of the set, and in the case of battery sets, will adversely affect the good tubes in the receiver.

"In battery operated receivers, volume control has been obtained largely by means of the filament rheostat. When sufficient volume was not obtained, due to one or more poor tubes, the filament rheostat was turned up higher. This procedure placed an over-voltage on the good tubes and shortened their period of service. It must not be forgotten that any radio tube may be damaged or made inoperative by operating it at excess voltage.

"In a.c. operated receivers, a somewhat different condition exists. The voltage applied to the tubes is taken care of in the design of the receiver, and the volume is controlled by means independent of the filament circuit. A poor tube in such receivers influences the performance of the set but ordinarily does not detrimentally affect the individual performance of the other tubes in the receiver.

"At no time is there any danger of harming the transformers due to the use of worn-out tubes. This is true either with battery or a.c. operated receivers.

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LAFOUNT SEES NEED FOR STATION RESPONSIBILITY

Radio broadcasters should be just as much responsible for the honesty of the advertising they carry as newspaper publishers are in the opinion of Radio Commissioner Harold A. Lafount. The comment was aroused because of the indictment of 13 men by a Federal grand jury in California for an alleged \$300,000 mail swindle.

The defendants were charged with advertising "easily arranged loans" by radio and with compelling patrons to buy shares in the concern in consideration of the loans.

The station should not be blamed if it used due diligence in accepting this advertising, Mr. Lafount said, but some restriction should be placed on radio advertising. A bill introduced at the last session of Congress by Representative French, Republican, of Idaho, would answer the present need, he said.

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: BUSINESS LETTER BRIEFS :

Oral arguments will be permitted on Nov. 24 in the suit of the Department of Justice against the Dubilier Condenser Corporation. The trial was concluded at the Federal Court in Wilmington, Del., on October 10th.

Justice O. R. Lohring signed an order on October 11th formally dismissing the proceeding brought by WBBM against the Federal Radio Commission to restrain the operation of WISJ, of Madison, Wisconsin.

Charles J. Pannil, Vice-President of the Radiomarine Corporation of America, has just returned from England where he has been arranging for the cooperation of weather bureaus to prepare a weather map of the North Atlantic to be announced twice daily by radio to trans-Atlantic ships. The headquarters of the service will be in New York.

While addressing the Washington Board of Trade, Gen. James G. Harbord, Chairman of the Radio Corporation of America, performed one of those memory feats for which he is famous. The General delivered an eleven typewritten-page speech without hardly deviating a word from the typewritten copy.

B.L.S. inquires in the "Baltimore Sun":

"What kind of a town does the NBC think Baltimore is? One wonders when a press release relates that 'a farmer in Baltimore' has named a cow in honor of Leslie Frick."

Elmer W. Pratt, Examiner, in his report on the hearing of Erwin J. Kruse, of Warren, O., for a construction permit to build a station to operate on 1200 kilocycles with 50 watts, unlimited time, recommends that the request be denied.

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GRIGSBY FILES \$30,000,000 SUIT

Papers were served this week at Harrison, N. J., in the \$30,000,000 damage suit of the Grigsby-Grunow Co., of Chicago, against RCA Radiotron Co., Radio Corporation of America, General Electric Co., Westinghouse Electric and Manufacturing Co., and RCA-Victor Company.

Actual damages of nearly \$10,000,000 are alleged in the complaint, but under provisions of the anti-trust acts, a total of the \$30,000,000 is asked. The complainant says the defendants control more than 4,000 radio patents.

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BEGIN HEARINGS OF "BAD" STATIONS

Hearings were opened Tuesday for the 20 broadcasting stations cited by the Federal Radio Commission some time ago for violations of various regulations and the radio law. The stations have been on probation since August 1st.

The Commission originally cited 31 stations but later reconsidered 11 cases and continued their licenses without hearings.

Among the delinquents was WEVD, operated by the Debs Memorial Radio Fund, Inc., of New York, which had been cited for 28 violations. The station representatives hinted that their station was being persecuted because of its Socialistic backing.

Many of the stations were cited for failure to announce phonograph records in accordance with the Commission's rules.

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NBC ACQUIRES WTAM

Announcement has been made by the National Broadcasting Company that it has leased WTAM, 50,000 watt station at Cleveland, and will assume full control and operation October 18th. For several years WTAM has been an associated station of the NBC system.

"The successful conclusion of negotiations for the leasing of WTAM means a step forward in the development of the art and science of broadcasting", said M. H. Aylesworth, President of the National Broadcasting Company. "The present Cleveland management and personnel of WTAM will continue."

At the head of WTAM is John F. Royal, showman of national reputation, who became general manager of the station in June, 1929.

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FIFTH ZONE HEARINGS OPEN

The Fifth Zone, and the last of the super-power hearings opened Wednesday with KGO, of Oakland, Calif., as the first applicant.

C. W. Horn, General Engineer of the National Broadcasting Company, declared that advantages to the listener would far outweigh any disadvantages if all of the 40 cleared channels were devoted to high power stations.

The other stations which were to give testimony in support of their applications are KOA, Denver, Colo., operated by the National Broadcasting Co., Inc.; KPO, at San Francisco, operated by Hale Bros. Stores, Inc., and the Chronicle Publishing Co., and KSL, Salt Lake City, operated by the Radio Service Corporation of Utah.

Don Gilman, Vice-President of N.B.C. in charge of its Pacific Coast facilities, explained that although KGO is owned by the General Electric Company, it is operated by the NBC, and that an application now is pending before the Commission for transfer of its assignment to NBC. Mr. Gilman explained that KGO is the "key" of the Pacific Coast network.

At the outset of the hearings, Thomas P. Littlepage, representing Station KFRC, operated by Don Lee, Inc., declared that the station's application would be withdrawn without prejudice. Operating on the regional channel of 610 kilocycles the station is licensed for 1,000 watts power. In its application, however, it sought the 680 kilocycle cleared channel assigned KPO, with the maximum power of 50,000 watts.

L. G. Caldwell, KPO counsel, objected to the withdrawal of the case without prejudice, and asked that the case be defaulted. Mr. Littlepage, however, insisted upon his motion, and Chief Examiner Yost, deferred ruling for the full Commission.

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CROSLEY TO BE REFUSED EDUCATIONAL BROADCAST

The Federal Radio Commission is considering a proposal from the Crosley Radio Corporation to use the latter's experimental station operated in conjunction with WLW and WSAI, Cincinnati, to rebroadcast educational programs to schools throughout the country. The proposal has the support of Senator Dill and other Senate leaders and has been endorsed by prominent educators.

At the present time, Mr. Crosley is licensed to operate a short wave station on 6060 kilocycles for international purposes only.

Radio Commission engineers say to permit the use of this frequency for rebroadcasting within continental United States would be in violation of the international agreement and might lead to a series of complications.

It is believed that the Commission will stand back of the engineers and Mr. Crosley will probably be so advised within the next day or so. Officials of the Commission suggest that the proper way for Mr. Crosley to carry out the project would be to use land wires.

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APPLICATIONS RECEIVED BY FEDERAL RADIO COMMISSION

October 11 - WOAX, WOAX, Inc., Trenton, N. J., request for authority to install automatic frequency control; WPCH, Eastern Broadcasters, Inc., New York, N. Y., C. P. to install a new transmitter; WNBH, Irving Vermilya, trading as New Bedford Broadcasting Co., New Bedford, Mass., C. P. to move transmitter to Fairhaven, Mass.; WSAN, Allentown Call Publishing Co., Inc., Allentown, Pa., modification of license to use WCBA's transmitter as an auxiliary transmitter; WCBA, B. Bryan Musselman, Allentown, Pa., modification of license to use WSAN's transmitter as an auxiliary transmitter; WCKY, L. B. Wilson, Inc., Covington, Ky., modification of license to increase hours of operation from 4/7 time, sharing with WCHI, WJAZ, and WORD to 6/7 time sharing with WORD; WOB, WOB, Inc., Charleston, W. Va., C. P. to make changes in equipment; KTSA, Lone Star Broadcast Co., San Antonio, Texas, request for authority to make changes in equipment and install automatic frequency control; WJDX, Lamar Life Insurance Co., Jackson, Mississippi, modification of license to increase power from 1 KW day and 500 W. night to 1 KW day and night on 1270 kc.

Also, WIOD-WMBF, Isle of Dreams Broadcasting Corp., Collins Island, Miami Beach, Florida, C. P. to install new equipment and increase power from 1 KW day and 500 W. night with an additional 500 W. night experimentally to 2½ KW day and 1 KW night, in new building next to present location; KGIZ, Grant City Park Corp., ½ mi. w. of Grant City, Mo., C. P. to make changes in equipment; WRAK, Clarence R. Cummins, Williamsport, Penn., C. P. to change equipment and increase power from 50 W. to 100 W. on 1370 kc.; KTNT, Norman G. Baker, Muscatine, Iowa, C. P. to install a new transmitter; KFEL, Eugene P. O'Fallon, Denver, Colo., modification of C. P. to change equipment on C. P. issued 7/7/30; KUJ, Columbia Broadcasting Co., Inc., Longview, Wash., request for authority to voluntarily assign license to Paul R. Heitmeyer; Paul R. Heitmeyer, Longview, Wash., KUJ, C. P. to move transmitter and studio of Station KUJ from Longview, Wash., to Klamath Falls, Oregon, and change time from ½ time to unlimited on 1500 kc.; American Broadcasting Co., Evanston, Ill., C. P. to erect a new station to use 1310 kc., 100 W., and unlimited hours.

October 14 - WMAK, WMAK Broadcasting System, Inc., Buffalo, N. Y., modification of C. P. to move present equipment to new location instead of installing new equipment and extend commencement and completion dates to Oct. 1 and Dec. 1, respectively; KGGE, Hugh J. Powell & Stanley Platz, d/b as Powell & Platz, Picher, Oklahoma, license to

cover C. P. issued 5/27/30 to move transmitter and studio from Picher, Oklahoma to Coffeyville, Oklahoma and install new equipment; WQDX, Stevens Luke, Thomasville, Ga., amendment to C. P. application to request 1230 kc., instead of 1340 kc., with 500 watts; KFYR, Meyer Broadcasting Co., Bismarck, North Dakota, license to cover C. P. issued 3/14/30 to move transmitter from Bismarck to 6 mi. from Bismarck, Apple Creek Twp., install new equipment and increase power from 500 w. to 1 KW day and night with an additional 1½ KW, experimentally to October 31, 1930; KBPS, Benson Polytechnic School, Portland, Ore., license to cover C. P. issued 7/7/30 to move transmitter to the roof of the same building and change equipment; KGIQ, Radio Broadcasting Corp., Twin Falls, Idaho, C. P. application amended to request an increase in power from 250 watts to 1 KW day and night with an additional 1 KW day experimentally, provided there is no interference with Corvallis Station, instead of 2 KW, day and 1 KW night, application also requests 550 kc.; H. E. Sewart, Jr., and Philip Weiss, d/b as Seward & Weiss Music Store, Rutland, Vermont, application for C. P. amended to request 1500 kc., and 100 watts instead of 1420 kc., and 15 watts.

October 15 - WTAM, WTAM, Inc., Cleveland, Ohio, request for authority to voluntarily assign license to the National Broadcasting Co., Inc.; WMEN, Holt-Rowe Novelty Company, Fairmont, W. Va., request for authority to voluntarily assign license to the Holt-Rowe Broadcasting Company; WEKL, Royal Oak Broadcasting Co., Royal Oak, Mich., modification of license to change time from ½ time to unlimited on 1310 kc.; WIAS, Morris W. Poling & James F. Poling, d/b as Poling Electric Company, Ottumwa, Iowa, license to cover C. P. issued 5/12/30 to change equipment; WTAX, WTAX, Inc., Streator, Ill., license to cover C. P. issued 6/24/30 to move transmitter and studio from Streator to Springfield, Illinois, install new equipment and increase power from 50 W. to 100 W. on 1210 kc.; KGNO, Dodge City Broadcasting Co., Inc., about 2 miles from Dodge City, Kansas, modification of license to move studio from outside of Dodge City to the 1st National Bank Bld., Dodge City; WEDC, Emil Denemark, Inc., Chicago, Ill., modification of license to increase power from 100 W. to 250 W., on 1210 kc.; KRE, First Congregational Church of Berkeley, Berkeley, Calif., modification of license to move studio locally.

Applications Other Than Broadcasting

Oct. 11-WPDM, City of Auburn, New York, Memorial City Hall, Auburn, N. Y., modification of license for change in equipment, location of transmitter and extension of completion date to 1/8/31; WRDQ, City of Toledo Police Dept., Toledo, Ohio, license to cover C. P. for 2470 kc., 200 watts; KSM, Globe Wireless, Ltd., Cypress, Calif., license to cover C. P. for 500, 460, 5525, 11050, 16580, 22100, 4116, 6515, 8630, 11020, 11080, 11140, 11200, 16900, 22160 kc., 1.5 KW, Coastal service; WAA, Radio Corp. of America - Ohio Co., Detour, Mich., modification of license for change in hours of operation as follows: 8 A. M. to 12 noon and 1 P. M. to 5 P. M., coastal service.

October 14 - WCC, Radiomarine Corp. of America, Marion, Mass., modification of license to cover high frequency transmitter for 5525, 11050, 16580, 22100, 6455, 6470, 8430, 12640, 12580, 16740, 21860, 21900 kc., 70 KW, coastal service; W3XAD, RCA Victor Co., Inc., Camden, N. J., C. P. for additional transmitter on 17300, 25700, 34600, 51400, 60000, 400000 kc., 50 watts, visual broadcasting; WFL, Intercity Radio

Telegraph Co., by Frank X. Schaut, Receiver, Chicago, Ill., renewal of Marine Relay license for 4116, 8630 kc., 1 KW; WPDO, City of Akron, Police Dept., Akron, Ohio, license to cover C. P. for 2458 kc., 100 watts; W8XK, Westinghouse Electric & Mfg. Co., E. Pittsburgh, Pa., renewal of Exp. relay broadcasting license for 6140, 9570, 11880, 15210, 17780, 21540 kc., 40 KW; Also, Same Co., W8XAV, renewal of exp. television license for 200-2100, 2100-2200 kc., 20 KW; W6XBX, Mackay Radio & Telegraph Co., portable in Calif., renewal of experimental license for 300 kc., 500 watts; W9XAA, Chicago Federation of Labor, Chicago, Ill., renewal of relay broadcasting license for 6080, 11840, 17780 kc., 500 watts; W2XDD, Bell Telephone Laboratories, Inc., portable on truck, license to cover C. P. for 1604, 2398, 3256, 4795, 6245 kc.; 400 watts, experimental service; also, license for special experimental service on 1608, 2302, 3076, 4108, 5510, 6155 kc., 400 watts.

October 15 - WIE, Intercity Radio Telegraph Co., Duluth, Minn., renewal of applications to replace 4-R-C-425 and 4-R-C-430, which were submitted by or under name of Midwest Wireless Co., Inc.; RCA Communications, Inc.; WAB, WAC, WAD, WAE, WAF, NewBrunswick, N. J., modification of C. P.s for extension of completion date to 5/11/31; WGU, San Juan, Porto, Rico, modification of license for change in frequency to 6852.5 kc., limited public service; W6XG, General Electric Co., assignment of experimental license to National Broadcasting Co., Inc.; KOP, Press Wireless, Inc., San Francisco, Calif., renewal of limited public license for 7340, 15730 kc., 5 KW; W3XE, Baltimore Radio Show, Inc., Baltimore, Md., renewal of experimental license for 1604, 2398, 3256, 4795, 6425, 8650, 12850, 17300 kc., 500 watts.

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DECISIONS OF THE FEDERAL RADIO COMMISSION

The Commission granted the following applications on Oct. 14:

KTHS, Hot Springs Chamber of Commerce, Hot Springs National Park, Ark., C. P. to make changes in equipment including automatic frequency control; KFIO, Spokane Broadcasting Corp., Spokane, Wash., C. P. to make changes in equipment including installation of different type tubes in the R.F. amplifier, speech amplifier and modulator circuit; WPAD, Pierce E. Lackey & S. Huston McNutt, d/b as Paducah Broadcasting Co., Paducah, Ky., license, 1420 kc., 100 w., unlimited time, (C.P. authorized erection of new station); WIRJ, Peter J. Prinz, Jamaica, N. Y., license 1210 kc., 100 w., shares with WGBB, WJBI, and WCOH, also granted authority to use old equipment as auxiliary; WKZO, WKZO, Inc., Berrien Springs, Mich., modification of license to move main studio locally in Berrien Springs; KQV, Doubleday-Hill Electric Co., Pittsburgh, Pa., and WSYR, Clive B. Meredith, Syracuse, N. Y., authority to install automatic frequency control; WSBT, South Bend Tribune, South Bend, Ind., C. P. to move transmitter locally in South Bend, install new equipment including automatic frequency control; KGBZ, Dr. Geo. R. Miller, York, Neb., authority to postpone hearing date until October 27th; KGWJ, Radiomarine Corp. of America, Yacht, "Gielow", temporary authority to operate pending receipt of formal application, calling 143, 500 kc., working 151, 153, 157, 160, 400, 425, 468 kc., radio compass 375; 750 watts power A1 and A2 emission except 143 kc., - A1 only; W2XO, General Electric Co., Schenectady, N.Y.,

authority to use 12850 kc. for exp. purposes for special relay broadcasting test for period of 30 days from Oct. 9th; KGJW, Pan American Airways, Inc., Brownsville, Texas, also WMDU, San Juan, Porto Rico and WKDL, Miami, Fla., modifications of licenses for additional frequencies to be used in connection with airplanes flying the Yellow Chain south of the U.S. 12210 and 5405 kc.; Aeronautical Radio, Inc., Orland Twp., Ill., C. P. 278 kc., not to exceed 15 w., 3160 kc., power, 400 w., A1 and A2 and A3 emission, on temporary basis; Jimmie Angel, Airplane R-3622, license 3106 kc. 50 watts, radiotelephone emission for use during endurance flight in vicinity of Los Angeles, not to exceed 60 days.

Also, 26 renewals of amateur licenses were granted and 1 modification of amateur license and 20 new amateur licenses; also 3 modifications, 1 renewal and 1 new license granted for ships.

Set For Hearing

KFXJ, R. C. Howell and Chas. Howell, d/b as Western Slope Broadcasting Co., Edgewater, Colo., requests C. P. to move transmitter and studio from Edgewater to Grand Junction, change equipment, increase power from 50 to 100 watts, and change time from sharing with KFUP to unlimited; KFCR, Cutlers Radio Broadcasting Service, Inc., Watertown, South Dakota, requests C. P. to install new equipment, increase maximum power of equipment from 100 to 1000 w., change frequency from 1210 to 1090, and increase power from 100 w. to 1 KW (original application requesting 1190 kc., set for hearing April 11, 1930), also requests consent to vol. assign. of license to The Greater Kampeska Radio Corp.; WIBO, Nelson Bros. Bond and Mrtg. Co., Chicago, Ill, requests modification of license to change time from sharing with WPCC and WISJ to unlimited; WIS, Geo. T. Barnes, Inc., Columbia, S. C., requests modification of license to change frequency from 1010 kc., to 590 kc., increase night power from 500 watts to 1 KW (original application requesting increase in night time power only, set for hearing Aug. 26th); For New Stations: Midwest Radio Broadcasting Association, T. W. Tizzard, Jr., V. P., Bloomington, Ill., requests C. P. 1310 kc., 100 w., unlimited time; Howell L. Westbrook, Pine Bluff, Ark., requests C. P. 1310 kc., 50 watts, unlimited time; A. E. Hodges, Boone, N. C., requests C. P. 1500 kc., 15 w., unlimited time; E. Dwight Craig, Indianapolis, Ind., requests C. P. 1500 kc., 50 w. (original application requesting 970 kc., designated for hearing June 16th); J. E. Richards, Greenville, S. C., requests C. P. 1200 kc., 100 w., unlimited time, and authority to install frequency control.

Correction in Decision of October 3rd - Bell Telephone Labs., Inc., should read "For period ending Dec. 31, 1930" instead of 90 days.

Correction in Decisions of October 7th - KIDO, F. L. Hill and C. O. Phillips, d/b as Boise Broadcasting Station, Boise, Idaho, WHBY, St. Norbert College, Green Bay, Wisc., and WAIU, American Insurance Union, Columbus, O., should read "For period ending 3 A. M., EST. Oct. 31, 1930", instead of "30 days".

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: BUSINESS LETTER BRIEFS :
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Citing the fifth electrocution of a radio operator recently, the Department of Commerce in the Radio Service Bulletin warns station owners that all wiring and other apparatus should be carefully arranged else they will be penalized by law.

The holder of commercial operators' license, second class, No. 4489, issued June 2nd, has been suspended for a period of 60 days for failure to cease transmitting for three minutes beginning at the fifteenth and forty-fifth minutes of each hour; for transmitting his call signal a greater number of times than permissible, and for transmitting superfluous signals by carrying on an unofficial conversation.

Dr. L. W. Austin's paper on "Long Wave Radio Receiving Measurements at the Bureau of Standards in 1929", read before the Institute of Radio Engineers, has just been printed in pamphlet form.

The American Federation of Labor at its Boston convention unanimously adopted a resolution urging the speedy enactment of the Dill-Davis bill to make patents unenforceable. The resolution, which condemned the alleged radio trust and the "abuse of patents" was introduced by W. Thomas Polston, of the Chicago Federation of Labor.

Work on the first buildings in the \$250,000,000 radio and amusement centre to be built by John D. Rockefeller, Jr., in New York City, and the Radio Corporation will start January 1, employing about 10,000 men.

There is still talk of the new Metropolitan Opera House being included in the project.

An elaborate loudspeaker system is being installed in the main rotunda of the Pennsylvania Railway Station at New York City by the Radio Corporation of America. Six powerful reproducers will entertain travelers waiting for trains.

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