

HEINL RADIO BUSINESS LETTER

INSURANCE BUILDING

WASHINGTON, D. C.

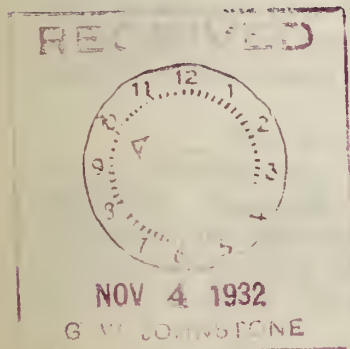
ISSUED TWICE A WEEK AND CONTAINING THE LATEST INFORMATION REGARDING THE RULINGS OF THE FEDERAL RADIO COMMISSION, RADIO LEGISLATION, DEPARTMENT OF COMMERCE REGULATIONS, CHANGES IN WAVELENGTH, CALL LETTERS AND POWER, PATENTS, EXPORTS, FEDERAL TRADE COMMISSION RULINGS AND OTHER MATTERS OF INTEREST TO BROADCASTERS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 :: :: **CONFIDENTIAL—NOT FOR PUBLICATION.** :: ::

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No. 575



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EXAMINER RECOMMENDS REMOVAL OF KYW TO PHILADELPHIA

The Federal Radio Commission now has before it the report of Examiner Elmer W. Pratt in one of the most complicated cases ever handled by the Commission. Sixteen applicants and twenty-three applications were involved. The report is subject to approval, modification or rejection by the Commission.

A summary of the case follows:

Kunsky-Trendle Broadcasting Corporation, licensee of Station WXYZ, through an application for construction permit seeks authority to construct a new 10 KW broadcasting station at Detroit, Michigan, to be operated unlimited time on the clear channel 1020 kilocycles, now used in Chicago by KYW, a station of the Westinghouse Electric and Manufacturing Company. Should its application be granted, this applicant proposes to abandon the operation and relinquish the license of WXYZ.

Through applications for a modification of license and a construction permit the Pittsburgh Radio Supply House, licensee of WJAS, Pittsburgh, Pa., seeks an increase in power from 1 KW to 5 KW and a change in frequency from the regional channel, 1290 kilocycles, to 820 kilocycles (a clear channel now assigned to Station WHAS, Louisville, Ky.), and proposes that the frequency of 1020 kilocycles (now used by KYW) be assigned to WHAS.

The application of the Courier Journal Company and the Louisville Times Company, is for a renewal of license authorizing the continued operation of WHAS, Louisville, Ky., on 820 kilocycles.

Applications of the Westinghouse Electric and Manufacturing Company are for a renewal of license authorizing the continued operation of KYW on 1020 kilocycles in Chicago and, in the alternative however, a construction permit involving a removal of this station from Chicago to Philadelphia, the same frequency assignment being requested.

The Keystone Broadcasting Company and Gimbel Brothers, Inc., licensees, respectively, of Stations WFAN and WIP, Philadelphia, through applications for construction permits propose changes in operating assignments from sharing time on 610 kilocycles with 500 watts power each to sharing time on 1020 kilocycles with 5 KW power each.

Through an application for a modification of license Station WCAU, of the Universal Broadcasting Company, Philadelphia, now operated on 1170 kilocycles with power of 10 KW and with a construction permit to increase power to 50 KW, likewise seeks a change in frequency to 1020 kilocycles.

The application of the WRAX Broadcasting Company, licensee of Station WRAX, Philadelphia, now operating daytime on the frequency 1020 kilocycles are for a renewal license and a construction permit involving a change in operating assignment from daytime on 1020 kilocycles with 250 watts power to sharing time with WPEN on 920 kilocycles with power of 250 watts night and 500 watts day.

The application of William Penn Broadcasting Company is for a construction permit involving a change in the operating assignment of Station WPEN, Philadelphia, from unlimited time on the frequency 1500 kilocycles, with power of 100 watts night and 250 watts day, to sharing time with WRAX on 920 kilocycles with power of 250 watts night, 500 watts day.

WIBG, Incorporated, now operating Station WIBG, Elkins Park, Pa., daytime, applies for a renewal license and also, through an application for a modification of license, requests a change in operating assignment from daytime on 930 kilocycles with 25 watts power to daytime on 970 kilocycles with 100 watts power.

The York Broadcasting Company on behalf of Station WORK, York, Pa., now operating daytime on the frequency 1000 kilocycles with power of 1 KW, seeks merely a renewal of its present license.

The applications of Marcus Loew Booking Agency, Aviation Radio Station, Inc., and Calvary Baptist Church, licensees, respectively, of Stations WHN, WRNY, and WQAO-WPAP, operating under a three way time division in New York City on the frequency 1010 kilocycles with a power of 250 watts each, are for renewal licenses for said stations.

The Main Auto Supply Company, licensee of Station WOWO, Fort Wayne, Indiana, now sharing time with Station WWVA, Wheeling, West Virginia, on the clear channel 1160 kilocycles seeks a renewal license, a modification of license with reference to a change in hours of operation from sharing time with WWVA to unlimited time, and a construction permit, involving an increase in power from 10 KW to 25 KW. In connection with its application for modification of license this applicant proposes that the regional frequency 1290 kilocycles now used by WJAS, Pittsburgh, be assigned to WWVA in lieu of its present half time on 1160 kilocycles.

West Virginia Broadcasting Corporation, licensee of Station WWVA, applies for a renewal of license and a modification of license with reference to a change in hours of operation from sharing time with WOWO on the frequency 1160 kilocycles to unlimited time on that frequency.

These applications therefore fall into five major subdivisions: (1) The proposal to use 1020 kilocycles at Detroit; (2) the proposal that 1020 kilocycles be used at Louisville, Ky. and 820 kilocycles at Pittsburgh; (3) The several proposals to use 1020 kilocycles at Philadelphia-- the other applications from Philadelphia, as well as those from Elkins Park and York, Pa. and New York City being related to these; (4) KYW's application for

renewal of license at Chicago; and (5) applications relating to 1160 kilocycles.

Examiner Pratt recommended:

1. That the application of the Kunsy-Trendle Broadcasting Corporation, Detroit, for permission to erect a new station be denied. This decision was based on the fact that the testimony showed that interference would be likely to result with several stations, including WKAR, Lansing; WHN, WRNY and WQAO-WPAP, New York City; CKCR, Waterloo, Ontario, Canada; also that Detroit and vicinity now receive service from Stations WMBC, 100 w.; WXYZ, 1 KW; WJR, 10 KW; and WJBK, 50 w, as well as CKOK, 5 KW, Windsor, Ontario. Also that the proposed change would make Michigan .84 unit overquota, while the second zone would be 3.73 units under-quota.

2. That the application of the Pittsburgh Radio Supply House (WJAS) for construction permit be denied. That the applicant's application for modification of license be denied.

3. That the application for renewal of license of The Louisville Courier-Journal Company and the Louisville Times Company (WHAS) be granted and that a renewal license be issued accordingly. (This is a renewal of WHAS on its present assignment).

4. That the application of the Westinghouse Electric and Manufacturing Company (KYW) for construction permit be granted and that there be issued to said applicant a construction permit authorizing the construction of a new 10 KW transmitter at the proposed location near Philadelphia, to be operated in accordance with the proposals contained in said application and the testimony produced in support thereof.

Should the removal to Pennsylvania be authorized, KYW proposes to construct a transmitter in the vicinity of Whitemarsh, 10 or 12 miles northwest of the Philadelphia City Hall. This location was chosen with a view to rendering as effective service as possible to the Philadelphia Metropolitan area and, by means of suitable antenna array, with a minimum of interference with stations on adjoining channels. The transmitter proposed to be installed is the same as that now used in Chicago, a standard 50-B RCA 50 KW transmitter with the final stage so modified that it would operate satisfactorily with a power of 10 KW. The studios would be located in the Westinghouse Building at Thirtieth and Walnut Streets, Philadelphia, where ample space suitable for studio purposes is available. It is planned to employ the National Broadcasting Company as agent or manager in connection with the production of programs which would be subject to the supervision, censorship and control of the licensee. The programs and service would be similar to those now rendered in Chicago and would include chain features of the NBC, either blue or red network. The general policy would be to provide a substantial number of local programs and not to subordinate the local programs to the network features. In general, the policies followed at Chicago in the operation of KYW would be pursued should the station be moved to Philadelphia.

Should KYW be permitted to move to Philadelphia, this applicant proposes to install a directional antenna which would suppress radiation of both the sky and ground wave in the directions of New York City; York, Pa.; and Baltimore, Md., with the result that interference from the proposed station which might otherwise restrict the service areas of stations in those cities operating on the channels 1000, 1010 and 1060 kilocycles, would be avoided. The proposed antenna would be built with the minimum radiation pointed directly toward New York City.

KYW was the first radio broadcasting station in Chicago, construction having been completed and operation commenced in November, 1921. The removal of this transmitter to Philadelphia will return the 1020 kilocycle channel to the second zone, from which it was borrowed by the third zone several years ago.

This applicant is to be granted a renewal of license on a temporary basis authorizing the continued operation of KYW in Chicago pending the construction of the new transmitter in Philadelphia.

5. That the application of the Keystone Broadcasting Company (WFAN) be denied.

6. That the application of Gimbel Brothers, Inc. (WIP) be denied.

7. That the application of WCAU, Universal Broadcasting Company, for modification of license be denied. This application was recommended for denial because the operation of WCAU at 1020 kilocycles with 10 KW power would result in interference with Stations WHN, WQAO-WPAP and WRNY, 250 w. stations sharing time on the frequency of 1010 kilocycles in New York City. Also there would be interference with WORK, York, Pa. and WBAL, Baltimore, Md.

8. (a) That the applications of the WRAX Broadcasting Company and the William Penn Broadcasting Company (WPEN) for construction permits be granted and that a construction permit to said applicants jointly be issued in accordance with said applications;

(b) That the application of the WRAX Broadcasting Co. for renewal of license be granted on a temporary basis and that a renewal license be issued in accordance therewith authorizing the continued operation of WRAX with its present assignment pending construction of the new transmitter.

9. That the application of WIBG, Inc. for modification of license be granted and that a modification of license be issued in accordance therewith and that this applicant's application for renewal of license be denied.

10. That the application of the York Broadcasting Company (WORK) for renewal of license be granted and that a renewal license be issued in accordance therewith.

11. That the applications of Marcus Loew Booking Agency (WHN) Aviation Radio Station, Inc. (WRNY) and Calvary Baptist

Church (WQAO-WPAP) for renewals of licenses be granted and that renewal licenses be issued in accordance therewith.

12. That the application of the Main Auto Supply Company (WOWO) Fort Wayne, Ind. for modification of license be denied; That the application of this applicant for construction permit be denied; and that this applicant's application for renewal of license be granted and that a renewal license be issued in accordance therewith.

13. (a) That the application of the West Virginia Broadcasting Corporation (WWVA) for modification of license be denied; (b) That the application of this applicant for renewal of license be granted and that a renewal license be issued in accordance therewith.

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RADIO COMMISSION CUTS FORCES AGAIN

Acting under the economy act and the President's executive order providing for the transfer to the Federal Radio Commission of the Radio Division of the Department of Commerce, the Commission has adopted a plan for the reorganization of its field force which will effect a saving of approximately \$75,000 per annum, and reduce its personnel by 33.

Economies effected at headquarters in Washington by the recent merger of the two institutions amounted to \$35,000 yearly, so that the consolidation means an annual saving of \$110,000. This includes substantial savings made possible by new leases, reduced rentals, and operating office expenses. The new set up requires less office space than the old system.

The reorganization of the field force represents intensive study on the part of the Commission and its staff since July 20, 1932, when the merger was authorized. It proves for "more efficient service at less expense", according to Thad H. Brown, Commissioner, supervising the field organization. "This is one of the major jobs completed by the Commission", Commissioner Brown added, "and represents a big step forward. In keeping with the times we have made a substantial saving and at the same time made the service more efficient.

"It provides for the elimination of much overlapping and lost motion since the inspectors in charge are to report direct to the Commission. We can thus direct the work of the field force more expeditiously and efficiently."

The outstanding feature of the plan provides for the division of the United States into 20 districts, each in charge of an inspector. Headquarters of these districts will be at Boston, New York, Philadelphia, Baltimore, Norfolk, Atlanta, Miami, New Orleans, Galveston, Dallas, Los Angeles, San Francisco, Portland, Oreg., Seattle, Denver, St. Paul, Kansas City, Chicago, Detroit and Buffalo.

This has been accomplished, with one exception, by making existing suboffices of the present nine large districts, independent. The exception being the new headquarters at Galveston, Tex., which will be operated at a minimum cost since the required office quarters were donated by the Galveston Chamber of Commerce pending completion of the new Federal Office Building.

The present supervisors will henceforth be known as inspectors in charge. The new policy requires the heads of all field officers to serve as working supervisors. It will bring the field organization in harmony with the organization in Washington and will also reduce the cost of administration.

Duplicate handling of the mail with attending demands upon clerical forces and filing space will be eliminated.

It is proposed to make periodical changes in the assignment of supervisors. It is believed this plan will keep the men better informed, generate new ideas, coordinate the work in the field and avoid sluggishness.

Heretofore the greatest demand for personnel arose out of matters relating to examinations for operators' licenses, inspection of ship stations and the maintenance of records relating to amateur radio stations. Procedure that controls the preparation for and the giving of examinations for operators' licenses has been changed and it is believed vastly improved. The other problems mentioned have been simplified.

The new plan has the hearty endorsement of W. D. Terrell, for many years Chief of the Radio Division, now Chief of Field Operations of the Federal Radio Commission.

"It will expedite the work materially", said Mr. Terrell, "and will give encouragement to men long in the service in the suboffices. The added responsibility will mean in most cases better service. The new division of districts makes it possible to deal more effectively with the people throughout the United States operating radio equipment.

"It will also result in economy because of the reduction in territory to be covered, and in closer inspection of equipment. The inspectors can now keep in closer contact with their people and with the Commission. It will be beneficial all along the line."

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William S. Paley, president of the Columbia Broadcasting System, has leased a five-story furnished residence at 35 Beekman Place, overlooking the East River, New York City.

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RADIO OFFICIAL BLAMES GRUDGES FOR SUSPENSION

Charges on which he has been suspended for ninety days pending an investigation were "fabrications" by "disgruntled employes in my office", Maj. Walter van Nonstrand, Federal radio inspector for the fourth district, Atlanta, declared when told of the suspension.

He expressed confidence he could answer the allegations to the satisfaction of the Radio Commission.

He said he was preparing the answer and would have it in the hands of the commission in a day or so.

The inspector declined to go into details of specific charges against him, but said they resulted from a "plot concocted by certain disgruntled employes under my jurisdiction to 'get me'".

Ben Fisher, assistant general counsel of the Radio Commission, is in Atlanta to investigate the charges under which both Van Nostrand and his secretary, Miss Mary L. Bell, were suspended.

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RADIO GAVE ORMANDY FLYING START

An ovation was accorded Eugene Ormandy, so well known to radio listeners, when he appeared last week as guest conductor of the Philadelphia Symphony Orchestra. Mr. Ormandy is scheduled for nine more guest appearances with this famous organization during the forthcoming season.

It was just about a year ago that Ormandy was appointed conductor of the Minneapolis Symphony Orchestra, at a salary reported to be upwards of \$20,000. At that time he was the conductor of the Melody Moments broadcasting orchestra. His work in the studios attracted so much attention that he was selected as general musical director for Columbia but it was then that the Minneapolis people grabbed him.

Following a strenuous season in the northwest, injecting new life into the Minneapolis Symphony, he spent the summer driving through Germany, Austria, Hungary and Italy in his twelve-cylinder car. He included visits to Salzburg, where Mozart was born, Bonn where Beethoven was born and Budapest where Eugene Ormandy was born.

Ormandy was a violin prodigy there at the age of 3½, and the youngest pupil of the Royal State Academy of Music at 5½. It was as a violinist that he came to the United States but he soon found himself conductor of the Capitol Grand Theatre Orchestra in New York City.

There was a great break for him about a year ago when Toscanini was unable to fill an engagement as guest conductor with the Philadelphia Symphony Orchestra. Ormandy was substituted in his stead and today, at the advanced age of 32, the attractive blonde Hungarian finds himself sitting on top of the world of music.

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NEW RADIO MAGAZINE

A new weekly, to be titled "Big Time", covering stage, screen and radio, will be published shortly by Rudolph Field and Donald Herman.

Both Field and Herman are said to be active in radio--the former doing a period over a New York station called "Chats with Authors" and the latter on the air as an entertainer.

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KDKA TWELVE YESTERDAY

Station KDKA, Pittsburgh, the pioneer broadcaster in the United States, celebrated its twelfth anniversary on the air yesterday (Wednesday, Nov. 2).

It was Nov. 2, 1920, that KDKA broadcast the first program, featuring the Harding-Cox election returns. A few hundred wireless amateurs tuned in.

A Pittsburgh department store saw new possibilities in building sets at home and advertised wireless parts for sale. A big business resulted and the radio "craze" swept the country.

Today KDKA is one of the most powerful stations in the country and its short-wave transmitter sends programs to foreign lands.

There are 607 broadcasting stations on the air at present, and approximately one-third of these are linked with the networks of the National Broadcasting Company or the Columbia Broadcasting System.

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It is estimated by the National Electric Light Association that each receiving set provides revenue of \$6 a year in electric energy consumed, allowing for additional lighting on account of longer hour burning.

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DECISIONS OF THE FEDERAL RADIO COMMISSION

WMCA, Knickerbocker Broadcasting Co., Inc., New York City, granted license covering move of transmitter from Hoboken to Flushing, N.Y., 570 kc., 500 w., shares with WNYC; KGFL, Inc. Santa Fe, N. Mex., granted mod. of CP extending completion date from Sept. 17 to Dec. 1; KOB, New Mexico College of Agriculture, Albuquerque, N. Mex., granted temp. license covering move of station from State College to Albuquerque, 1180 kc., 10 kw., simultaneous day with KEX, share evening hours, KOB one-third, KEX two-thirds time; also

WESG, Cornell University, Ithaca, N.Y., granted mod. of license to move studio to Mark Twain Hotel, Elmira, N.Y.; WGY, General Electric Co., Schenectady, N.Y., granted mod. of license to use eqpt. formerly licensed as the main transmitter for auxiliary purposes; KMBC, Midland Brdcastg. Co., Kansas City, Mo. granted mod. of license to use equipment formerly licensed as main transmitter for aux. purposes; WHBC, C. W. Hayes, Manager, Canton, Ohio, granted authority to operate simultaneously with Station WNBO Nov. 8, from 9 p.m. to midnight, EST., in order to broadcast election returns; WSAX, The Burlington Daily News, Burlington, Vt., granted authority to broadcast election returns Tuesday, Nov. 8.; KGy, Inc., Olympia, Wash., granted authority to operate from 6 p.m., EST., Nov. 8 to 6 a.m., PST, Nov. 9, in order to broadcast election returns; and

WHDH, Matheson Radio Co., Inc., Boston, Mass., granted mod. of CP approving transmitter location off Salem Turnpike, Saugus, Mass.; WHDL, Tupper Lake Brdcastg. Co., Inc., Tupper Lake, N.Y., granted auth. to operate Nov. 4 from 7:30 to 10:30 p.m., in order to broadcast political program; KMJ, James McClatchy Co., Fresno, Calif., granted mod. of CP approving transmitter location to West side of First Avenue, 1/4 mi. south of Shields Ave., Fresno, Calif., changing frequency to 580 kc., increasing power to 500 w. and installing new equipment; also

WLOXR, Kohler Aviation Corp., portable, Pairs Township, Mich., granted mod. of CP to change apparatus from self-excited oscillator to master oscillator power amplifier; WRDB, Press Wireless, Inc., Washington, D.C., granted mod. of CP extending com. date to July 1, 1933, and change in freqs. to 5,285, 5,355, kc. WJU, Hicksville, L.I., granted mod. of CP extending completion date to Feb. 15, 1933; KGWB, Dallas, Tex.; KGWH, Salt Lake City; KGWF, Minneapolis; KGWG, Seattle; KGWE, Los Angeles, granted CPs mod. extending completion date to July 1, 1933; and

W6XS, Don Lee Brdcastg. System, Gardena, Calif., granted CP of visual broadcasting CP extending completion date to Dec. 1, 1932; KIDV, Libby, McNeill & Libby, moored tally scow "Alaska", granted renewal of license (fixed public point-to-point telephone) 3,190 kc., 2 w.; KIEG, Seattle Brdcastg. Co., portable, granted renewal of broadcast pickup license, 2,342 kc., 27.5 w.; The Texas Co., granted renewal of geophysical station licenses for portables Nos. 1 to 19, inclusive.

Aeronautical Radio, Inc., Iowa City, Iowa, granted CP (aviation-airport), freq. 278 kc., 15 w.; KGUY, Aeronautical Radio Inc., Oakland, Calif., granted aviation CP to modify equipment at existing airport station, so that equipment will operate as airport station and also as miniature beacon; same company, Seattle, Oklahoma City, Burbank, Calif.; Moline, Ill.; Spokane, Wash.; Toledo, O.; granted aviation-airport CP, 278 kc., 15 w.; State of Connecticut, Department of Aeronautics, portable on any aircraft, granted gen. exp. license, 41,000, 51,400 and 60,000-400,000 kc., 10 w.

Set For Hearing

WCBA, B. Bryan Musselman, Allentown, Pa., req. mod. of license to increase power from 250 w. to 500 w. on exp. basis; WSAN, Allentown Call Pub. Co., Allentown, Pa., requests mod. of license to increase power from 250 w. to 500 w. on exp. basis; KOB, N. Mexico College of Agriculture, Albuquerque, N. Mex., renewal of license set for hearing because facilities of station have been applied for; WCGU, United States Brdcastg. Corp., Brooklyn N.Y., license covering move of transmitter from Brooklyn to Long Island City. Designated for hearing because of protests by Stations WEVD, WMBQ and WWRL.

The WNPD Co., New Philadelphia, Ohio, requests CP for new station to operate on 850 kc., 50 w. daytime (9 a.m. to local sunset).; KUMA, Albert H. Shermann, Yuma, Ariz., requests mod. of license to change specified hours of operation to 7 to 9 a.m., 11 a.m. to 2 p.m., 6 to 10 p.m., MST., daily. (Now operates 6 to 9 a.m., 12 noon to 3 p.m., 6 to 9 p.m. daily).

Ratification Of Acts Of Commissioners

Action taken Oct. 28 : Division of Fish and Game, San Francisco, Calif., granted temp. auth. (60 days) to operate transmitter aboard "Bluefin", pending receipt of formal application, freq. 375 to 16,680 kc.; WCAU, Universal Brdcastg. Co., Philadelphia, Pa. program test period for aux. transmitter extended 30 days.

Action taken Oct. 29: WMBH, W. M. Robertson, Joplin, Mo., granted spec. auth. to operate from 8:30 to 9:30 p.m., CST, on following Sundays: Oct. 30, Nov. 6, 13, 20, 27 and Dec. 4, 11, 18 and 25.

Action taken Oct. 31: WODX, Mobile Brdcastg. Corp., Mobile, Ala., WSFA, Montgomery Brdcastg. Co., Inc., Montgomery, Ala., denied auth. to operate simultaneously with 250 w. power on 1410 kc., Nov. 8, from local sunset to 12 p.m., CST, and until 6 a.m., CST, Nov. 9.

Applications Received

WLGI, Lutheran Association of Ithaca, N.Y., CP to make changes in equipment; WESG, Cornell University, Ithaca, N.Y., mod. of license to change frequency from 1270 to 1040 kcs.; WLVA,

Lynchburg Brdcastg. Corp., Lynchburg, Va., CP to change equipment change frequency, power and hours, from 1370 kc., 100 w., shares WBTM, to 1500 kc., 100 w. night, 250 w. day, unlimited hours. Facilities WRBX, Roanoke, Va., resubmitted and amended to request 1410 kc., 250 w. half-time with WHIS, Bluefield, W.Va. Requests all facilities of WRBX, Roanoke, Va.; WCBA, B. Bryan Musselman, Allentown, Pa., WSAN, Allentown Call Pub. Co., Allentown, Pa. mod. of license to increase power from 250 to 500 w.; amended to request the authorization be made on exp. basis; and

KTSA, Lone Star Brdcast. Co., Inc., San Antonio, Tex. voluntary assignment of license to Southwest Brdcastg. Co.

The following applications for renewal of license have been received: WGH, Hampton Roads Brdcastg. Corp., Newport News, Va., 1310 kc., 100 w., unlimited hours; WDAS, WDAS Brdcastg. Station, Philadelphia, Pa., 1370 kc., 100 w. night, 250 w. LS, unlimited hrs; WJTL, Oglethorpe University, Atlanta, Ga., 1370 kcs., 100 w., unlimited hours.

Applications Other Than Broadcasting

KGVN, Washington Air College, Tacoma, Wash., CP to install new eqpt. 278 kc., 15 w. airport station; W9XAN, Elgin National Watch Co., Elgin, Ill., renewal of special exp. license for frequencies in amateur bands, 500 w.; W9XA, National Brdcastg. Co., Denver, Colo., renewal of spec. exp. license for 830 kc., 12.5 w.; American Radio News Corp., portable and mobile, New York, CP, for new experimental station 60,000-400,000 kc., 10 w.; also

Aeronautical Radio, Inc., Kansas City, Kans., new CP for 2906, 3072.5, 3082.5, 3088, 4967.5, 4987.5, 5672.5, 5692.5 kc., 90 w., aero station.

United Airways, Inc., license for aircraft on 2906 to 5692.5 (same freqs. listed above) 5 kc., 15 w.; John T. Bruggeman, portable in State of New Jersey, CP for 100,000 to 600,000 kc., 0.1 to 40 w. gen. exp.; WHG, Aeronautical Radio, Inc., Port Columbus, O., lic. cov. CP for 2906 to 5692.5, incl. (see listing above) 400 w., aero station. Aeronautical Radio, Inc., Toledo, Ohio, CP for 278 kc., 15 w. airport station. KGZH, City of Klamath Falls, Klamath Falls, Oreg., license covering CP for 2442 kc., 25 w. Municipal police station; W1XAW, Trustees of Tufts College, Medford, Mass., renewal for 1594, 2398, 3492.5, 4797.5, 6425, 8655, 12862.5, 17310 kc. 500 w., gen. exp. station.

The following applications were received from RCA Communications for renewal of point-to-point telegraph licenses as follows: Brunswick, N.J., WIK, 13930 kc., 40kw.; YES, 9450 kc., 40kw.; WIZ, 6965 kc., 40kw.; WEN, 7407.5 kc., 40kw.; WEV, 7730 kc., 40kw.; WQT, 13865 kc., 40kw.; WAZ, 14920 kc., 40 kw.; WKQ, 16000 kc., 40kw.; San Juan, Puerto Rico, WGT, 13705 kc., 1 KW; WGU, 6852.5 kc., 1 KW; WJT, 4050 kc., 500 w.; WQZ, 15,445 kc., 1 KW; Kahuku, T.H.-40 KIO, 11680 kc. 40 KW.; KEQ, 7370 kc., 40 KW.; KQH, 15985 kc., 40 KW.; Point-to-point telephone stations - KKH, 7520 kc., 40 KW.; and KKP, 16030 kc., 40 KW.

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