

# HEINL RADIO BUSINESS LETTER

INSURANCE BUILDING

WASHINGTON, D. C.

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 :: :: **CONFIDENTIAL—NOT FOR PUBLICATION.** :: ::

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G. W. JOHNSTONE

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No. 349

NOTE: Unless some important news breaks, the issue of Monday, July 7th will be omitted due to the fact that July 4th and 5th are legal holidays and no Government offices will be open on those dates.

## CBS GETS CONTROL OF WBT, CHARLOTTE

Although it appeared on the surface that the National Broadcasting Company and the Columbia Broadcasting System had amicably settled the problem of network programs for Station WBT, Charlotte, each contributing a portion, the CBS has announced that it has acquired a substantial interest in Station WBT. Control of the station remains with M. K. Gilliam, President of Station WBT, Inc.

Following this announcement came a notice that the NBC would discontinue program service to the Charlotte station, effective July 7th.

"I regret that the listeners of Charlotte and vicinity are to be deprived of the programs which have become so popular with them", said M. H. Aylesworth. "However, it is essential to network broadcasting that associated stations be served by only one system. . . . . If the time of the station were to be divided between its own local programs and those of two competing networks, there would be insufficient time for the programs of either network to justify the expense of service."

The new arrangement, according to Columbia, will enable WBT to apply immediately for a 50,000 watt transmitter. At present WBT's power is 5000 watts. It occupies the clear channel of 1080 kc.

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## RADIO PATENT FORCE INCREASED

By adding four examiners to the Radio Division of the United States Patent Office, officials have been able to almost triple the number of awards within the last few weeks. The office is still buried in an accumulation of applications, however, and is about ten months behind in the handling of radio cases.

Dr. William A. Kinnan, Commissioner of Patents, estimated that there are approximately 6,000 cases, new and amended, pending in the Radio Division. About half of this number has been acted on, but further amendments will be necessary before the patents are clear. More than 2,000 of them have not been touched.

The Radio Patent Division has been increased from 17 to 21 examiners, along with similar expansions in other sections of the Patent Office, by means of a special appropriation by Congress.

The majority of patents have been sought during the last year on devices intended to decrease interference and static and to improve communication. While it is the policy of the Patent Office to keep secret any pending inventions, officials admitted that nothing sensational has appeared in the cases which have been examined though considerable improvements have been made.

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## DOCKET CLEARED BY COMMISSION

By disposing of all applications which had reached the decision stage, the Federal Radio Commission cleared its docket for the summer on June 30th and immediately began to disband. No more hearings will be held in Washington until next Fall.

Maj. Gen. Charles McK. Saltzman, Chairman of the Commission, has gone to Lake George, N. Y., for a month's vacation, while Judge E. O. Sykes, Vice Chairman, has left for the Pacific Coast to hold field hearings at Seattle, Wash., and Los Angeles, Calif.

Judge Ira E. Robinson intends to return within a few days to his home in West Virginia for a brief vacation and an inspection of his Zone.

Harold A. Lafount and William D. L. Starbuck are remaining in Washington for the present, though the former said he plans to take a field inspection trip shortly.

One Commissioner at least will remain in the Capital throughout the summer, and he will be empowered to act on all routine matters for the Commission as a whole.

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## STATION WHAM OBTAINS INJUNCTION

A temporary injunction restraining the Federal Radio Commission from disturbing the present status of Station WHAM, operated by the Stromberg-Carlson Telephone Manufacturing Company, at Rochester, N. Y., has been issued by Justice William Hitz, of the District of Columbia Supreme Court.

Station WHAM filed an appeal April 24th against its proposed shift from 1,150 to 1,160 kilocycles in the reassignment of 26 stations using 13 cleared channels.

The Pere Marquette and the Ann Arbor railroad companies, which were denied renewal of licenses for ship-to-shore and point-to-point radio communication, filed briefs in the District Court of Appeals. Station WRAW, of Reading, Pa., filed an appeal in the same court.

The Commission has filed its statement of facts in the Station WLEX (Lexington, Mass.) case.

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## RCA FILES TRUST SUIT REPLY

The Radio Corporation of America has filed its answer in the suit brought by the Government, for alleged violation of the Sherman Act. The Radio Corporation denies that it has done anything of which the Government should complain, but that, on the contrary, what was done in obtaining rights under the patents of others was necessary for the establishment of modern radio.

David Sarnoff, President of the Radio Corporation, declared that "The Radio Corporation has not attempted to monopolize these developments and patent rights, but has granted many licenses to others, with no price restrictions, thus enabling them to enter into direct competition with Radio Corporation and its subsidiaries in sales of tubes and broadcast receivers to the public."

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## STATION WLS SEEKS INJUNCTION

Station WLS, operated by the Prairie Farmer Publishing Company, through a corporation known as the Agricultural Broadcasting Company, has filed suit in the United States District Court at Chicago, against Station WENR, operated by the Great Lakes Broadcasting Company. The WLS suit seeks an injunction against the Federal Radio Commission's order that the two States share time on 870 kilocycles on a fifty-fifty basis.

Station WLS, in their bill of complaint, states that the action of the Court of Appeals in the District of Columbia, put into effect later by the Federal Radio Commission, in taking 3/14 of the WLS time and giving it to WENR, was "arbitrary, unreasonable, and discriminatory, and deprived, and is depriving, the plaintiff of its property without compensation and without due process of law, all in violation of provisions of the United States Constitution and the Fifth Amendment thereof."

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## NAVY ORGANIZED RADIO "HAMS"

The second organization of radio amateurs throughout the country to render assistance in time of disaster or war has been effected by the Navy Department, and the American Red Cross. The Signal Corps, War Department, already has such a national network.

This organization of 2,300 members of the Naval Communications Reserve already is experimentally operative, according to an announcement by the Department of the Navy. Under the plans,



messages will be flashed from reservists in the area concerned through master control stations of the reserve to Red Cross branch headquarters or to the nearest of the 3,500 Red Cross local chapters established in the Nation.

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#### BUSINESS LETTER BRIEFS

Judge Hugh M. Morris in United States District Court on June 28th entered a memorandum in the suit of the General Talking Pictures against the Stanley Company of America, alleging infringement of patents to the effect that the defense license has not been sustained.

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Use of the intermediate frequency of 333 kilocycles on all radio stations except those aboard aircraft flying outside of the boundaries of the country is cancelled under an order adopted June 28th by the Federal Radio Commission.

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Almost half of all the farms in Iowa are equipped with radio sets, according to a survey by the State Secretary of Agriculture. The total is 97,286, or an average for each 2.14 farms.

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Authority to use the maximum broadcasting power of 50,000 watts was granted June 30th to Station KFI, Los Angeles for the second time by the Federal Radio Commission.

The station, which presented arguments in support of its application at a special hearing before the Commission on June 27th, once before held a 50,000 watt construction permit which it never exercised because it deemed the available apparatus then of an "experimental" nature.

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Chicago will have two television stations when the new Daily News plant gets in operation in about two weeks. It will use 1,000 watts. The stations now producing daily synchronized sight and sound programs are the Western Television station W9XAO, and sound station, WIBO. The Daily News now operates sound station WMAQ on a cleared channel with 5,000 watts.

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(More)



The Hagerstown, Md., City Council plans to pass an ordinance this week to prohibit the operation of any electrical device which would tend to interfere with radio reception, according to Mayor Reuben Musey.

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#### BROADCASTING APPLICATIONS RECEIVED BY COMMISSION

July 1 - Franklyn J. Wolff, Trenton, N. J., WOAX, request for authority to voluntarily assign license to WOAX, Inc., also C. P. to make changes in equipment; Hickson Electric & Radio Corp., Rochester, N. Y., WHEC-WABO, modification of license amended to request authority to operate simultaneously with WOKO on experimental basis between midnight and 6 A. M. on 1440 kc.; WOR, Bamberger Broadcasting Service, Inc., Kearny, N. J., C. P. to move transmitter to a location in Morris Co., N. J., install new equipment, and increase power from 5 KW to 50 KW on 710 kc.; WDAE, Tampa Publishing Co., N. W. of Tampa Florida, C. P. to install new equipment; KBYR, Meyer Broadcasting Co., Bismarck, N. D., modification of C.P. to extend time on construction to September 1, 1930; WISJ, The Wisconsin State Journal Co., Beloit, Wisconsin, modification of license to change time assignment; KOY, Nielsen Radio & Sporting Goods Co., Phoenix, Arizona, modification of license to change frequency from 1390 kc., to 940 kc.

Also, for New Stations: G. C. Blee, trading as Radio Service Laboratories, Negaunee, Michigan, C. P. to erect a new station to use 580 kc., 1 KW, and operate Saturdays up to 9 P. M., other days up to 8 P. M.; J. E. Bennett, trading as J. E. Bennett Music Co., Cordell, Okla., C. P. to erect a new station to use 1500 kc., 100 W., and operate 6 hours daily (day and night); Corner Drug Store, Inc., Carlsbad, N. M., C. P. to erect a new station to use 1420 kc., 10 W., and daytime hours; R. S. McEwan, Clovis, New Mexico, C. P. to erect a new station to use 1000 kc., 100 watts, and daytime hours; Oliver Frey, trading as Frey Motor Service, Cheyenne, Wyoming, C. P. to erect a new station to use 1440 kc., 100 watts, and 8 hours daily (day and night).

Applications Other Than Broadcasting: Aeronautical Radio, Inc., KGSE, Amarillo, Texas; KGSM, El Paso, Texas, KGTD, Wichita, Kansas, KGSD, Albuquerque, N. M., KGSR, Pueblo, Colo., renewal of aeronautical licenses for 278, 3070, 3460, 6350, 8015, 12180 kc., 500 watts and 10 w.; WCF, City of N. Y. Fire Dept., New York, N. Y., license covering C. P. on 1596 kc., 400 watts for coastal service; WPA, Pennsylvania Railroad Co., Altoona, Penna., renewal of limited commercial license for 250 kc., 100 watts; Seattle Police & Fire Dept., Seattle, Wash., KGPA, C. P. for new equipment and increase in power to 250 watts for limited commercial service; KJQ, Olympic Radio Co., Hoquiam, Wash., C. P. for phone set for 2320 kc., 100 watts, coastal service; Colonial Air Transport, Inc., Airplanes NC 9138, NC 198H, NC 8486, new licenses for aircraft service on 6350, 4785, 3088, 2326, 1608 kc., 100 watts.

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## APPLICATIONS RECEIVED BY FEDERAL RADIO COMMISSION

July 1, 1930 - WCDA, Italian Educational Broadcasting Co., Cliffside, N. J., requests modification of C. P. to extend completion date to 9/1/30; KFJZ, Margaret Meacham Hightower, Minnie Meacham Smith and Mary Meacham, Executrices of Estate of H. C. Meacham, Ft. Worth, Texas, requests license to cover C. P. to make changes in equipment; WDZ, James L. Bush, Tuscola, Ill., requests license to cover C. P. issued to make changes in equipment; WBOW, Banks of Wabash, Inc., Terre Haute, Indiana, requests license to cover C. P. issued to make changes in equipment; WOL, American Broadcasting Co., Washington, D. C., requests authority to install automatic frequency control; WKBW, Churchill Eveng. Assn. Inc., Amherst, N. Y., requests authority to voluntary assignment of license to WKBW, Inc.; WMRJ, Peter J. Prinz, Jamaica, N. Y., requests license to cover C. P. issued to move studio to Jamaica and install new equipment; WNYC, City of N. Y. Department of Plants and Structures, New York City, requests modification of license to change hours of operation from sharing with WMCA to unlimited time on 570 kc.

Also, WMAK, WMAK Broadcasting System, Inc., Grand Island, N. Y., requests modification of license to change frequency from 1040 to 630 kc., and hours of operation to unlimited; WSGH-WSDA, Paramount Broadcasting Company, Brooklyn, N. Y., requests C. P. to move transmitter and studio in Brooklyn; WHN, Marcus Loew Booking Agency, Manhattan, N. Y., requests C. P. to make changes in equipment; WPAD, Pierce E. Lackey and Fred W. Olcott, d/b as Paducah Broadcasting Co., Paducah, Ky., requests modification of C. P. to change location of studio and transmitter in Paducah; WRUF, University of Florida, Gainesville, Fla., requests authority to install automatic frequency control; KMLB, J. C. Liner, Monroe, La., requests license to cover C. p. to erect new station using 1200 kc., 50 watts, daytime hours; WOAI, Southern Equipment Co., San Antonio, Texas, request license to cover C. P. issued to move transmitter; install new equipment and increase power from 5 KW to 50 KW on 1190 kc.; KWWG, City of Brownsville, Chamber of Commerce, Brownsville, Texas, requests C. P. to install automatic frequency control and make other changes in equipment.

Also, WSPA, Virgil V. Evans, Spartanburg, S. C., requests C. P. to move transmitter locally in Spartanburg, install new equipment, change frequency from 1420 to 1190 kc., and increase power from 250 watts day and 100 watts night to 5 KW; KGNF, Herbert Logan Spencer, North Platte, Nebraska, requests license to cover C.P. issued to erect new station on 1430 kc., 500 watts, daytime hours; KFAB, Nebraska Buick Auto Co., Lincoln, Nebraska, requests modification of license to move studio locally in Lincoln; KYW-KFKX, Westinghouse Electric and Manufacturing Co., Addison, Ill., requests modification of license to increase power from 10 KW to 50 KW; KFVS, Oscar C. Hirsch, d/b as Hirsch Battery and Radio Co., Cape Girardeau, Mo., requests C. P. to install new equipment and increase power from 100 watts to 250 watts day and 100 watts night on 1210 kc.



WSBC, World Batter Co., Inc., Chicago, Ill., requests C. P. to make changes in equipment; WMAQ, WMAQ, Inc., Addison, Ill., requests C. P. to install new transmitter and increase power from 5 to 50 KW on 670 kc.; KNX, Western Broadcast Co., Los Angeles, Cal., requests modification of C. P. to extend time of completion to 11/4/30; KGGC, Golden Gate Broadcasting Co., (Robert J. Craig), San Francisco, requests license to cover C. P. issued to change equipment and increase power from 50 to 100 w.; KFIO, Spokane Broadcasting Corp., Spokane, Wash., requests C. P. to move studio and transmitter in Spokane, install new antenna and ground counter system.

Also, For New Stations: C. M. Schaap, Ft. Collins, Colo., requests C. P. to erect new station on 1370 kc., 15 watts, daytime hours; Morton & Howard White, d/b as Metropolitan Broadcasting Co., Paterson, N. J., requests C. P. to erect new station to use 590 kc., 50 watts, unlimited hours; R. S. and D. W. Gavin, Marion (near Meridian), Miss., requests C. P. amended to include 590 kc., and 250 watts, instead of 950 kc., and 500 w.; J. E. Orman and Walter Denton, d/b as Radio Service Co., Russellville, Ala., requests C. P. to erect new station to use 570 kc., 10 watts, unlimited hours; R. P. Denman, d/b as Denman Music Store, Paris, Texas, requests C. P. to erect new station using 1210 kc., 100 watts, daytime hours.

#### Applications Other Than Broadcasting

W3XZ, C. Francis Jenkins, 1519 Connecticut Avenue, N. W., Washington, D. C., license to cover C. P. for 1604, 2398, 3256, 4795, 6425 kc., 250 watts for experimental service; RCA Communications, Inc., WJT, San Juan, P. R., modification of limited public license for change in frequency to 4050 kc.; W2XBM, Rocky Point, N. Y., license to cover C. P. for 1604, 2398, 3256, 4795, 6425, 8650, 12850, 17300, 25700 kc., 200 watts, experimental station; Same for W2XBP, Rocky Point, N. Y., only 10 watts; Radiomarine Corp. of America, Seattle, Washington, W7XE, renewal of experimental station for 1604, 2398, 3256, 4795, 6425, 8650, 12850, 17300 kc., 50-500 watt; Western Air Express, Inc., KGSU, Midland, Texas, KGSA, Abilene, Texas, KGSQ, Dallas, Texas, licenses to cover C. P.'s for 3070, 3460, 6350, 8015, 12180, 278 kc., 400 watts, aeronautical service.

Also, Boeing Air Transport, Inc., Medford, Oregon, KGE, license for 3172, 5660 kc., 400 watts, aeronautical service; Libby, McNeill & Libby, Libbyville, Alaska, W7XD, license to cover C. P. for 1540, 3184 kc., 50 watts, experimental station; Wired Radio, Inc.; W2XCU, license to cover C. P. for 1604, 2398, 3256, 4795, 6425, 8650, 12850, 17300, 35000 kc., 20 KW, experimental service; Colonial Air Transport, Inc., Airplane NC9663, license for experimental aircraft for 6350, 4795, 3088, 2326, 1608 kc., 100 watts; Michigan Wireless Telegraph Co., Wyandotte, Mich., WCV, license to cover C. P. for 143, 410, 163, 425, 454 kc., 500 watts, coastal service.

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## DECISIONS OF THE FEDERAL RADIO COMMISSION

The Commission on June 30th granted the following applications:

KFXM, J. C. Lee and E. Lee, Lee Bros., Broadcasting Co., San Bernardino, Cal., C. P. to install automatic frequency control with new transmitter; KTAP, Alamo Broadcasting Co., San Antonio, Texas, C. P. to move transmitter locally in San Antonio, and rebuild equipment; KMO, KMO, Inc., Tacoma, Wash., C. P. to install new filament and plate supply in equipment 860 kc., 500 watts limited time in accordance with G. O. 48; KFKU, The University of Kansas Lawrence, Kansas, Authority to discontinue operation from June 15th to September 15th; KGDY, J. Albert Loesch and Geo. W. Wright, Huron, South Dakota, modification of C. P. to move transmitter to outside of Huron, and extend completion date to July 15th; WRBQ, J. Pat Scully, Greenville, Miss., modification of C. P. to extend completion date to Sept. 11, 1930; KWSC, State College of Washington, Pullman, Wash., modification of C. P. to extend completion date to 9/14/30; WJBI, Robert S. Johnson, Red Bank, N. J., consent to voluntary assignment of license to Monmouth Broadcasting Co.

Also, KFAB, Nebraska Buick Auto. Co., Lincoln, Neb., consent to voluntary assignment of license to KFAB Broadcasting Co.; WLBF, Everett L. Dillard, Kansas City, Mo., consent to voluntary assignment of license to WLBF Broadcasting Co.; KFXD, Frank E. Hurt, d/b as Service Radio Co., Nampa, Idaho, license on 1420 kc., 50 watts, unlimited time; WBOW, Banks of Wabash, Inc., Terre Haute, Indiana, license on 1310 kc., 100 watts, unlimited time; WKBH Jos. Callaway, d/b as Callaway Music Co., La Crosse, Wis., consent to voluntary assignment of license to WKBH, Inc.; KTSL, Houseman Sheet Metal Works, Inc., Shreveport, La., consent to voluntary assignment of license to G. A. Houseman; WSMB, Saenger Theatres, Inc., & Maison Blanche Co., New Orleans, La., authority to install automatic frequency control; KCRJ, Chas. C. Robinson, Jerome, Arizona, license on 1310 kc., 100 watts, unlimited time; KFLV, Rockford Broadcasters, Inc., Rockford, Ill., license on 1410 kc., 500 watts, share with WHBL; WHFC, Triangle Broadcasters, Cicero, Ill., license on 1420 kc., 100 watts, share with WKBI and WEHS.

Also, WEHC, Emory and Henry College, Emory, Va., license on 1200 kc., 250 watts LS and 100 watts night, unlimited time; WREC, WREC, Inc., Whitehaven, Tenn., modification of license to consolidate WREC and WOAN under double call WREC-WOAN, and operate on WREC's assignment of 600 kc., 1 KW LS and 500 watts night, unlimited hours (time of operation now WREC 2/3 and WOAN 1/3); WBSO, Babson's Statistical Org., Inc., Wellesley Hills, Mass., increase in power from 250 to 500 watts, set for hearing June 13th but reconsidered and granted; WAA, Radio Corporation of America, Ohio Co., Detour, Mich., 2 licenses on 4775, 5525, 8570, 143, 410, 161, 167, 425, 454 kc., 200 and 750 watts, unlimited time; RCA Communications, Inc., Rocky Point, N. Y., 9 modification of licenses to change points of communication to read to "communicate



with Gothenburg, Santiago, Caracas, Berlin, St. Martin, Rio de Janeiro, Maracaibo, London, San Francisco, Brussels, and other stations with which other RCA stations are licensed to communicate by the Commission."

Also, Tropical Radio Telegraph Co., Hialeah, Fla., renewal of license 1604, 2398, 3256, 4795, 6425, 8650, 12850, 17300 kc., 1 KW; Francis Edw. Handy, Hartford, Conn., renewal of license 6425, 8650, 12850, 17300 kc., 500 watts; Globe Wireless, Ltd., Portland, Ore. (Portable); Also same Co., Seattle (Portable), modification of C.P.'s to extend completion date to 1/3/31; Larry L. Smith (Portable), license 2398 kc., 5 watts; Lazard Lippman, on Yacht "X Talayha", 60 day license during yacht race to Honolulu; National Air Transport, Inc., renewal of airplane license 3106, 3256, 3468\*, 4180\*, 4795, 6425 kc., 50 watts (\*2 months only); Continental Oil Co., renewal of 2 portable licenses, 1600, 1652, 1664, 1680, 1704 kc., 10 watts; General Electric Co., Schenectady, N. Y., renewal 90 day, of 4 licenses 2302, 3076 kc., 300 watts, 1604, 2398, 3256, 4795, 6425, 8650, 12850, 17300, 23000 kc., 25 KW, same as last 9 frequencies 250 watts, and 240 kc., 5 KW; McCollum Exploration Co., portable in U. S., 5 new C.P.'s, 1600, 1652, 1664, 1680, 1704 kc., 10 watts, also Same Co., Portable in La. & Tex., same as above (1 license).

Also, National Air Transport, Inc., licenses for two airplanes on 3106, 3256, 3468, and 6425 kc., 50 watts, also 4180 and 4795 kc., for two months; Alaska Washington Airways, Inc., license for Airplane NC-200-E, 3106 kc., 50 watts; Hancock Foundation College of Aeronautics, license for airplane 3106 calling and working, 7 watts; KOH, Jay Peters, Inc., Reno, Nevada, C. P. to change frequency from 1370 to 1380 kc., and increase power from 100 to 500 watts and operate unlimited time. To correct application as far as moving transmitter is concerned, transmitter still to be at Pluman Road, Reno, This application was approved in Minutes of 6/13/30, but through error Attorney for station located site incorrectly; KFI, Earle C. Anthony, Inc., Los Angeles, Cal., C. P. to erect 50 KW transmitter; KMLB, J. C. Liner, Monroe, La., license to cover C. P. 1200 kc., 50 watts, daytime operation, also to operate Saturdays from 12 midnight to 3 A. M., and to make tests immediately after 1 A. M. in order to make final adjustments.

Also, Pan American Airways, Inc., renewal of 18 airplane licenses, 333, 414, 500, 2662, 3070, 3106, 5690, 8015 kc., 12 watts; National Air Transport, aircraft license to have transmission from plane rebroadcast through Station WBBN, in Chicago, for temporary period; Florida Power & Light Co., 10 renewal of licenses for stations in Florida, 3184 kc., 150 watts, for emergency purposes only; Maddux Air Lines Co., 9 new licenses for airplanes, 333, 375, 393, 400, 3468, 414, 420, 457, 2344 kc., 100 watts unlimited time; also for portable transmitter to be used in connection with airway operated by applicant to determine suitable sites for transmission of low power, frequency 393, 414, 2344 kc., 100 watts; Pilot Laboratories Inc., outside of City of Brooklyn, N. Y., C. P. for visual broadcasting to move station from Brooklyn to Lawrence, Mass.; KGR, Globe Wireless, Ltd., Seattle, Wash., KDC, Island of Guam, modification of 3 C. P.'s extending completion date to 12/30/30.



Also, KGPB, City of Minneapolis, Police Dept., modification of C. P. to extend completion date to 12/30/30; WJM, Press Wireless, Inc., Washington, D. C., C. P. extending completion date to 12/30/30; WSF, Mackay Radio & Telegraph Co., Inc., New York City, C. P. 143, 131 kc., 1 KW; KZJ, Boeing Air Transport, Inc., Seattle, Wash., assignment of C. P. to Aeronautical Radio, Inc.; Radiomarine Corp. of America; KPH, Bolinas, Cal., modification of license to change power from 100 to 5000 watts (it appears that due to some misunderstanding in 1927, the transmitter which was licensed to use 5 KW was erroneously licensed for 100 watts in later application); WCC, Marion, Mass., 2 C. P.'s for Coastal service covering additional transmitter 5525, 11050, 16575 (channel 16580), 22100, 6455, 6470, 8430, 12640, 12580, 16700 kc., 350 watts; KSE, Torrance, Cal., C. P. to install 1 KW tube transmitter 408 and 500 kc., 1 KW power; KGJX, City of Pasadena, Pasadena, Cal., C. P. to install Western Electric Radiotelephone transmitter in view of apparatus authorized in ordinal C. P. 1712 kc., 50 watts power.

Also, WSL, Mackay Radio and Telegraph Co., Sayville, N.Y., modification of license to use additional frequencies 11380 kc., for general public coastal service; RCA Communications, Inc.: Portable in vicinity of Riverhead, N. Y., C. P. 1604, 2398, 3256, 4795, 6425, 8650, 12850, 17300, 34600, 51900, 60,000, 400,000 kc., 15 watts, unlimited time; Also, at Bound Brook, N. J., renewal of license, 6100, 9570, 11720, 15130, 17780, 21500 kc., 20 KW; Bell Telephone Laboratories, Inc., Ocean Township, N. J., renewal of license 1604, 2398, 3256, 4795, 6425, 8650, 12850, 17300, 27510, 31650, 36600, 4116, 8630, 6755, 9170, 9750, 9870, 10550, 13390, 14470, 14590, 16270, 18340, 19820, 19220, 21060, 21420 kc., 5 KW; Same Co., New York City; renewal of license 560, 710, 860, 1000, 1220, 1490 kc., 5 KW; Same Co., Whippany, N. J., Same as above, frequencies 194 to 6000 kc., 60 KW; KUP, Examiner Printing Co., San Francisco, Cal., renewal of license 5585, 6530, 8230, 11170, 16460 kc., 500 watts.

Also, Jenkins Laboratories, between Silver Spring and Wheaton, Md., renewal of license 2050, and 2900 kc., 5 KW; WNN, Tropical Radio Telegraph Co., Mobile, Ala., renewal of license 143, 500, 5525, 11050, 16575, 22100, 147, 442, 4148, 13180, 11290, 22580 kc., 750 and 200 watts; Edmund T. Flewelling, Dayton, Ohio, renewal of license 8650 kc., 50 watts; American Telephone and Telegraph Co., Bradley, Maine, modification of C. P. extending completion date to August 1, 1930; For New Stations: Aeronautical Radio, Inc., San Diego, Cal., C. P. 5660 kc., day 3172 kc., 400 watts; Alaska Washington Airways, Inc., Seattle, Wash., C. P. 3106 kc., night 5510 kc. day, 15 watts; Chas. A. Moore, Kenai, Alaska, C. P. 425, 500 kc., 50 watts.

Also, For New Stations: Metropolitan Police Dept., #10 Precinct, Washington, D. C., C. P. 2410 kc., 300 watts; New York Airways, Inc., license for airplane 333, 414, 500, 2662, 3070, 3106, 5690, 8015 kc., 12 watts; Humble Oil and Refining Co., Portable in U. S., C. P. 1604, 2398 and 3256 kc., 5 w. daylight hours only; Fire Dept. of City of N. Y., Brooklyn, N. Y., C. P. to install 125 watt transmitter on 1596 kc. for emergency fire service



with boats in N. Y. Harbor; National Battery Broadcasting Co., Portable in Minnesota, C. P. 2392 kc., 7½ watts, for temporary period to be used in connection with a Golf Tournament; Alaska Washington Airways, Inc., Juneau, Alaska, C. P. 5510 day, 3106 night, 100 watts;

### Set For Hearing

RCA Victor Co., Inc., Portable, Camden, N. J., asks for 2350, 2650, 104,000 kc., 250 watts, 3 hrs. day and 3 hrs. night; Also, asks for C. P. 2750, 2250, 102,000 kc., 250 watts, 3 hrs. day, 3 hrs. night; Standard Oil Co., Of Cal., between Moore Bay and Cayucas, Cal., asks for C. P. 500, 464 kc., 50 watts, unlimited time; KFT, Pacific Communications Co., Everett, Wash., asks for C. P. for radio telephone transmitter 2320 kc., 200 watts, to communicate with small craft in Puget Sound; WHB, WHB Broadcasting Co., Kansas City, Mo., asks for modification of license to increase power from 500 to 1000 watts; WOB, WOB, Inc., Charleston, West Virginia, asks for modification of license to operate on 1410 kc. with half time; WIOD-WMBF, Webb Jay and Jesse H. Jay, d/b as Isle of Dreams Broadcasting Co., Miami Beach, Fla., asks for modification of license to change frequency from 1300 to 940 kc.

Also, WLBW, Radio-Wire Program Corp. of America, Oil City, Pa., asks for modification of license to increase night power from 500 to 1000 watts, retain same frequency and same LS power of 1 KW; WLOE, Boston Broadcasting Co., Boston, Mass., asks for modification of license to increase hours of operation from sharing with WBBS to unlimited (if and when WBBS receives new assignment); WDAY, WDAY, Inc., Fargo, North Dakota, asks for C.P. to install new 2500 watt equipment and increase day power from 1000 to 2500 watts; WIOD-WMBF, Isle of Dreams Broadcasting Corp., Miami Beach, Fla., asks for C. P. to install new equipment and increase power from 1 KW day and 500 watts night with additional 500 watts night exp. to 2½ KW; KIT, Carl E. Haymond, Yakima, Wash., asks for C. P. to install auxiliary power equipment to be used in connection with requested increase in power; also, asks for C.P. to install new transmitter and increase power from 50 to 100 watts

Also, KFRC, Don Lee, Inc., San Francisco, Cal., asks for C. P. to move transmitter from city limits to near city, install new 5 KW equipment and increase power from 1000 to 5 KW, also to use portable to test for location; KHJ, Don Lee, Inc., Los Angeles, Cal., asks for C. P. to move transmitter from city limits of Los Angeles to near Los Angeles, install new 5 KW equipment, and increase power from 1000 w. to 5 KW, also to make tests for suitable location for new transmitter; WBBS, Boston Broadcasting Co., Boston, Mass., asks for C. P. to move transmitter in Boston, install new equipment, change frequency from 1500 to 1180 kc., and increase power from 50 to 100 watts, 250 watts LS and change time from sharing with WLOE to unlimited; WBBZ, C. L. Carrell, Ponca City, Okla., asks for C. P. to install 250 watt composite equipment with direct frequency control, and increase day power from 100 to 250 watts, change location of transmitter from Ponca City to 8 miles



north of Ponca City, also to move studio to same location; KFKB, KFKB Broadcasting Association, Inc., Milford, Kansas, asks for C. P. to install new equipment, increase power from 5 to 10 KW and operate until local sunset at Los Angeles instead of limited time; WFAN, Keystone Broadcasting Co., Philadelphia, Pa., asks for C. P. to move transmitter from City of Philadelphia to outside of city, change frequency from 610 to 1170 kc., and increase power from 500 w. to 5 KW, and operate unlimited time; KJR, Northwest Broadcasting System, Inc., Seattle, Wash., asks for C. P. to move studio and transmitter in Seattle, and to use portable to test for location, install new 5 KW transmitter (Will be heard in Seattle by Judge Sykes on July 10th).

Also, For New Stations: Wallace E. Brainard, Klamath Falls, Oregon, asks for C. P. to erect new station on 1200 kc., 100 watts, unlimited time, and use portable to test for most desirable location; O. C. Smith, Quincy, Ill., asks for C. P. to erect new station on 1200 kc., 100 watts, daytime hours; Chas. M. Conley, Burlington, Colo., asks for C. P. to erect new station on 1240 kc., 30 watts, daytime operation; H. E. Brumbaugh and J. G. Houser, d/b as Westmoreland Broadcasting Co., Irwin, Pa., asks for C. P. to erect new station on 850 kc., 100 watts, unlimited time; Business Men's Association of Oklahoma (Frank Whitaker, Pres.) Ada, Okla., asks for C. P. to erect new 1210 kc., 100 watts, unlimited time; George B. Bairey, Valley City, N. D., asks for C. P. to erect new station on 650 kc., 50 watts, unlimited time; Earl J. Smith, Watertown, N. Y., asks for C. P. to erect new station on 1240 kc., 50 watts, daytime operation.

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#### STARBUCK DENIES WABC PROMISE

William D. L. Starbuck has denied a report that he had written the Hempstead (L. I.) Development Commission that he would "take care of" any interference problems that might result from the erection of Columbia's 50,000-watt transmitter for WABC at Hempstead. He admitted, however, that he had written letters to interested parties concerning the proposed lease of 40 acres of the town lands. All letters, he said, have been approved by the whole Commission.

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