

# 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 :: :: CONFIDENTIAL—NOT FOR PUBLICATION.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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E. 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; KEYR, 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, KJSD, 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; WBOU, 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, day-time 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.; WLBK, Everett L. Dillard, Kansas City, Mo., consent to voluntary assignment of license to WLBK Broadcasting Co.; KFKD, 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 in 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 original 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; WOBV, WOBV, 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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# 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, ALL 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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RECEIVED

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G. W. JOHNSTONE

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No. 350

## ON THE BRITISH MERGER

The following appeared in the New York Times "Topics in Wall Street" on July 6th:

"Although opinions here vary regarding the results of the merger of British external communications into Cables and Wireless, Ltd., the unsatisfactory showing of the merger company is said to be due to the particular conditions affecting the British company rather than to any inherent fallacy in the theory which brought about the combination. In the opinion of some American observers the wireless and cable units of the British combination have not fully appreciated their united character and are still behaving somewhat competitively. Naturally, each branch of the service will endeavor to make the best possible showing. Time and effort will be required to solve this and other problems, it is asserted in friendly American circles, where it is also urged that world business conditions may have much to do with the failure of Cables and Wireless to pay common dividends."

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## RCA TO RELEASE MORE RIGHTS

The Radio Corporation of America has announced through O. S. Schairer, Vice-President in Charge of Patents, that it is about to issue supplementary licenses to all of its present receiver licensees covering the superheterodyne circuit, the patents of which it controls.

"This comes as a thunderbolt to the radio industry", said a representative of one of the licensees. "Most of the manufacturers have their production schedules completed for this season. They plan to have their new sets on the market about August 1st. The new license comes too late for this season. The move seems to indicate that the Radio Corporation is taking further steps to show that it is not a monopoly as far as patents are concerned. Heretofore, the RCA licensees have not had access to the popular superheterodyne circuit."

It has been learned that the RCA has perfected a superheterodyne circuit employing screen-grid tubes. The sets will be built in the RCA-Victor plant at Camden, N. J., where a larger manufacturing force is now being assembled. The sets will be distributed by RCA, General Electric, Westinghouse, Graybar, Victor and General Motors. This will be the first factory-built screen-grid superheterodyne receiver offered to the public. It is expected to sell at a price lower than superheterodynes of the past. The exact price, however, will not be announced until August 1st or later.

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## ROBINSON FLAYS RADIO MONOPOLY

Domination of radio by one group portends "the greatest danger to the fundamentals of American republican government", Federal Radio Commissioner Ira E. Robinson declared in a speech July 3rd before the Institute for Education by Radio, meeting in connection with the National Education Association, at Columbus, O.

Asserting that no one group must ever dominate radio, the Commissioner declared that it "cannot be gainsaid that a monopoly of radio is now insisently claimed by a group, and that its power and influence is so subtle and effective as to portend the greatest danger to the fundamentals of American republican government." He said that "no greater issue presents itself to the citizenry."

Commercial ownership and operation of radio stations presents the major problem in the use of radio for real educational purposes, Commissioner Robinson declared, admonishing the American people not to "misuse or fritter away" these new facilities. That radio has educational worth, he declared, goes without saying.

"For radio is but the human voice at long range, and may be the voice of an instructor, whether school teacher, preacher, or statesman. One good lesson from a single instructor may reach millions", he said.

Declaring that radio is intended for a higher use than that now made for it, Judge Robinson said that already the listeners "are becoming sick of the overdose of commercial advertising given them hourly. Auctioneering speeches, sales talks, price quoting, and the like, have become so prevalent that the very excess of the same will do good in reminding the people of radio's real province and worth."

Judge Robinson advocated the imposition of licensee fees upon users of the ether, to help defray the cost of administering radio. The law, in any event, he declared, should be so amended as to require "a direct return to the public, one stipulated in the law, for the license which is granted by them, and he advocated that each licensee be required to give the use of his facilities for regular daily educational programs under Government auspices.

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## ERNEST R. REICHMANN DIES

Ernest R. Reichmann, of Chicago, counsel for the Radio Protective Association, died Wednesday, July 9, in the Presbyterian Hospital, Chicago, following an operation for gall-stones. Mr. Reichmann was apparently in good health and death came as a shock to his friends.

Mr. Reichmann, who was about 43 years old, was a graduate of the University of Chicago. He was Associate Counsel with former Senator James Reed of Missouri, in the recent \$30,000,000 suit filed in Kansas City for the Grigsby-Grunow Company against the Radio Corporation, et al. Mr. Reichmann was also counsel for the Audio Research Foundation.

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## WMAQ TELEVISION READY

With the completion of the television installation in the studios of the Chicago Daily News, radio listeners in the vicinity of Chicago are provided with an entirely new form of entertainment which permits them not only to hear but to see artists, speakers or entertainers appearing on the program.

A Western television system is used, and Western Television Corporation built the apparatus and tubes. The triple spiral scanner is an exclusive feature of the Western system. It largely eliminates flicker and reproduces motion more satisfactorily.

The call letters of the station are W9XAP - 2800 kilocycles, 1,000 watts. At the completion of tests, now under way, W9XAP and WMAQ will be on the air on regular schedule. This is expected to be sometime between July 19th and August 1st.

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## RADIO COMMISSION MOVES

The Federal Radio Commission is now installed on the seventh floor of the new National Press Building, located at 14th and F Sts., N.W., just one block east of the Treasury Department.

The new location will be much handier for the Commission's business. Because of lack of space various Divisions of the Commission have been located on different floors in the Interior Department Building.

The Commission began its career in the offices of the Department of Commerce and remained from March 15, 1927, when the Commission was organized, until July 1928, when it moved into the Interior Department.

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## BUSINESS LETTER BRIEFS

F. A. Arnold, Director of Development of the National Broadcasting Company, has accepted an invitation extended by the President and Board of Directors of the College of the City of New York, to deliver a course of fifteen lectures on broadcast advertising early in September.

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The Metropolitan Police Department of Washington has been granted authority to install a police crime detection and driminal apprehension service by radio.

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Directors of the Cable and Wireless, Ltd., London, have announced they are unable to recommend payment of any dividend on A or B ordinary stock in respect to the twenty-one months ended December 31, 1929.

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There is much interest in the announcement of a forthcoming Atwater Kent radio set, which is scheduled to appear on August 1st. All details of the set have been kept secret.

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The Louisiana House of Representatives has passed a bill "to prohibit slander over, through or by means of what is commonly known as the radio."

The bill provides a penalty of a fine of not more than \$100 or imprisonment in jail for not more than 30 days, or both.

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The recommendation of the Interdepartmental Radio Advisory Committee relative to granting the American Telephone & Telegraph Company use of the 68 kilocycle frequency for trans-oceanic telephone service has been sent to the Federal Radio Commission and Secretary of Commerce Lamont. This frequency is now used by the Navy Department.

The recommendation has not been made public, but it is believed it favors granting use of the frequency to the American Telephone & Telegraph Company.

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Lieut. Commander T. A. M. Craven, U. S. N., long in charge of the radio research work in the Bureau of Engineering, Navy Department, and later short wave expert in the Federal Radio Commission, has resigned from the Navy. He will become associated with Prof. C.M. Jansky and Stuart Bailey as a consulting engineer.

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A telegram received from the Methodist Episcopal churches in New Jersey was forwarded to the Federal Radio Commission by Senator Kean, protesting against the granting of a license for a new 50,000 watt transmitter for Station WOR, Newark.

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Visual broadcasting licenses are issued on an experimental and temporary basis because television is still in the experimental stage, the Radio Commission declared this week in a statement of facts filed with the District Court of Appeals in explaining the denial of the application of the Short Wave and Television Laboratory, Inc., of Boston, for permission to establish a sound-television broadcasting combination.

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The Westinghouse Electric and Manufacturing Company, of Pittsburgh, has asked permission of the Radio Commission to build a transmitter with 400,000 watts power for use in experimental broadcasting between 1 and 6 A. M.

The application states that the station, which would be so constructed as to operate with power ranging from 50,000 to 400,000 watts, would be used to develop high power transmitters and synchronization.

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Coffee will no longer be described in radio talks and other advertising media by words that would mislead purchasers into believing that it is treated with a special ripening process, the Federal Trade Commission has ruled in the case of a certain selling and distributing company, the name of which is not revealed.

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More than 6,000,000 Catholics in the United States will pray this month on instructions of Pope Pius XI for "protection against dangerous broadcasting", according to the New York Times. It is recalled that a radio station is being erected at the Vatican.

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Radio broadcasting and communication facilities to provide entertainment for workers who this week began construction on the Boulder Dam project have been requested of the Radio Commission by Senators Oddie and Pittman, of Nevada.

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A Special Committee is preparing briefs for presentation at a hearing to be held in Los Angeles July 17, by Judge E. O. Sykes, on the attempt to take from the State of California its right to use a short wave radio channel for broadcasting market information.

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### CONGRESS DOES LITTLE FOR RADIO

The Seventy-First Congress which has just adjourned passed two pieces of radio legislation of major importance and failed to enact two others of probably greater significance.

The Couzens Bill for the creation of a Federal Communications Commission did not leave the hands of the Senate Committee on Interstate Commerce, while the Dill Bill, to transfer the Radio Division of the Department of Commerce to the Federal Radio Commission was blocked in the House after passing the Senate.

Measures of primary interest that were passed were the Bill to extend the life of the Radio Commission indefinitely and the amendment to Section 16 of the Radio Act of 1927, to take away from the District Court of Appeals its newly acquired super-Radio Commission powers.

Six other pieces of legislation, either directly or indirectly affecting radio were introduced during the session. Four failed to be enacted.

The White Bill designed to correct 11 Sections of the Radio Act, relating primarily to appeals and procedure, passed the House on April 30, but failed to obtain approval of the Senate Committee on Interstate Commerce.

The Dill Bill, which would allow in patent infringement suits the defense that the complainant was violating the anti-trust laws, was passed by the Senate on June 2, but at the request of Senator Walsh, Massachusetts, was returned to the Senate on June 4th.

A general revision of the copyright laws, was proposed in the Vestal Bill which was reported favorably to the House on June 24, by the Committee on Patents. The session adjourned, however, before a vote was taken

The Elliott Bill, authorizing construction of buildings for radio research investigations by the Bureau of Standards, with particular reference to the elimination of static and fading, was passed by the House on April 21st, but was not acted upon by the Senate.

Measures of a miscellaneous nature enacted by Congress included an appropriation of \$80,000 for a new radio constant frequency station in the Middle West for the Radio Division of the Department of Commerce, and the Wood resolution providing funds for the participation of the United States in the International Technical Consulting Committee on Communications, signed by the President June 21.

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## APPLICATIONS RECEIVED BY FEDERAL RADIO COMMISSION

The following broadcast applications have been received:

July 3 - WSGF, W. Neal Parker & Herbert Metcalf, Glen Falls, N. Y., license to cover C. P. issued 4/4/30 to erect a new station to use 1370 kc., 50 watts and unlimited hours; WEEI, Edison Electric Illuminating Co. of Boston, Weymouth, Mass., modification of license to move main studio from 39 Boylston St. to 180-181 Tremont St., Boston, on or about 1/1/31; KGRS, E. B. Gish (Gish Radio Service), Colorado, Gulf Highway, Amarillo, Texas, modification of C. P. to extend completion date on construction to 9/15/30; KRGV, Valley Radio-Electric Corp., Harlingen, Texas, request for authority to voluntarily assign license to KRGV, Inc.; WLS, Agricultural Broadcasting Co., near Crete, Ill., modification of license to move main studio locally in Chicago; WHBY, St. Norbert College, West De Pere, Wisconsin, C. P. to install a higher powered equipment, change frequency from 1200 kc., to 1260 kc., and increase power 100 W. to 1 KW, at the location authorized by C. P. issued 6/10/30 - Highway 41, De Pere, Wis., (to retain unlimited hours); KJBS, Julius Brunton & Sons Co., San Francisco, Cal., C. P. to make changes in equipment.

July 7 - WCAM, City of Camden, Camden, N. J., modification of license to move main studio locally; WJBC, Hummer Furniture Co., La Salle, Ill., request for authority to voluntarily assign license to Wayne Hummer & H. J. Dee, d/b as Kaskaskia Broadcasting Co.; WJBC, Wayne Hummer and H. J. Dee, d/b as Kaskaskia Broadcasting Co., LaSalle, Ill., C. P. to move main studio of Station WJBC from 2nd & Joliet Sts., to 2nd and Marquette Sts., La Salle, (also move transmitter to same location) and install new equipment; WCAZ, Robert E. Compton & Walter H. Tanner, d/b as Superior Broadcasting Service, Carthage, Ill., C. P. to move main studio from 1008 Buchanan St., locally and install a new transmitter; KTAB, Associated Broadcasters, Inc., Oakland, Calif., modification of license to change power assignment from 500 w. with an additional 500 w., experimentally to 1 KW, unrestricted, on 560 kc.; For New Stations: Edwin W. Kruse, New Castle, Pennsylvania, C. P. to erect a new station to use 1210 kc., 50 w & 9 to 12 hours daily; George J. Ber and Hillman Bailey, d/b as Ber-Bailey Broadcasting Co., Bayne, Louisiana, C. P. to erect a new station to use 1120 kc., 5 W., and daytime hours; The Starr Piano Company, Richmond, Ind., C. P. to erect a new station to use 1120 kc., 500 w., and unlimited hours.

July 9 - WBZ, Westinghouse Electric & Manufacturing Co., East Springfield, Mass., modification of C. P. to change type of equipment and increase power from 15 KW to 50 KW pn 990 kc.; KLCN, Charles Leo Lintzenich, Blytheville, Arkansas, modification of license to increase power from 50 w. to 100 w. and change time from daytime to unlimited, on 1290 kc.; KFJM, University of North Dakota, Grand Forks, North Dakota, C. P. to install new equipment, change frequency from 1370 kc., to 1230 kc., and increase power from 100 w. to 500 w. unlimited; For New Stations: WBOOK, Inc., Kalamazoo, Michigan, C. P. to erect a new station to use 1450 kc., 1 KW, and unlimited hours; Samuel D. Leeks, New Orleans, Louisiana, C. P. to erect a new station to use 1010 kc., 1 KW, and unlimited hours; Alfred L. Setaro, d/b as

Merchants Radio Station, 5 miles from Vicksburg, Miss., C. P. to erect a new station to use 550 kc., 100 w., and unlimited hours; A. W. Lytle, New Rockford, North Dakota, C. P. to erect a new station to use 1320 kc., 7½ W., and 4 to 6 hours daily; A. B. Harris & Helen Anderson, d/b as Estes-Park Broadcasting Co., Estes Park, Colorado, C. P. to erect a new station to use 1370 kc., 100 W. and unlimited hours.

### Applications Other Than Broadcasting

July 2 - W9XAY, National Battery Broadcasting Co., portable in Minnesota, license to cover C. P. 2392 kc., 7½ watts, experimental service; KKA, Libby, McNeill & Libby, Yakutat, Alaska, license for LP & PG service, 460, 500, 220, 272 kc., 200 watts; KVP, City of Dallas, Fire & Police Signal Dept., renewal of limited commercial license on 1712 kc., 200 watts; WRDR, Township of Grosse Pointe, Grosse Pointe Village, Mich., license to cover C. P. for 2410 kc., 50 watts, limited commercial service; Interstate Geophysical Exploration Co. Portables #18, 13, 14, 15, 16, 17 - new C. P.s for Geophysical servic on 1704, 1680, 1664, 1600, 1652 kc., 18 watts.

July 7 - National Broadcasting Co., Inc., on Airplane "Deep Rock", license for Aircraft on 1584 kc., 7½ watts; KHT, Alaska Packers Association, Naknek, Terr. of Alaska, license to cover C. P. for 500, 460, 272, 219, 246 kc., 200 watts, LP and PG service; WCC, Radiomarine Corp. of America, Marion, Mass., modification of coastal license for change of frequency, to add 16740 kc., and delete 16700 kc. WSC, Radiomarine Corp. of America, Tuckerton, N. J., modification of coastal license for change in frequency, to add 12520, 8350 kc., and delete 6500, 8390, 12730, 16740 kc.; KJM, Phillips Petroleum Co., Bartlesville, Okla., C. P. to move transmitter from Bartlesville to near same place, change in equipment and increase in power from 250 w. to 5 KW; WOZ, American Telephone & Telegraph Co., Richmond Co., N. Y., modification of C. P. for extension of completion date to January 1, 1931, coastal service; WBF, Tropical Radio Telegraph Co., Boston, Mass., renewal of limited public license for 6770, 10450, 12940, 17580 kc., 200 w., and 1 KW; W2XBS, Radio Corporation of America Portable, New York City, assignment of experimental television license to National Broadcasting Co., Inc.; Westinghouse Electric & Manufacturing Co., Springfield, Mass., C. P. for new experimental station for 1604, 2398, 3256, 4795, 6425, 8650, 12880, 17300, 990 kc., 5 to 50 KW.

July 9 - Midwest Wireless Co., Inc., WAM, Buffalo, N. Y., WAN, Cleveland, Ohio; WME, Duluth, Minn., consent to involuntary assignment of license from Intercity Radio Telegraph Co., coastal service; WAM, Buffalo, N. Y., WME consent to involuntary assignment of license from Intercity Radio Telegraph Co., limited public service; WAM, WAN, WME, consent to involuntary assignment of license from Intercity Radio Telegraph Co., for marine relay service; WAM, Buffalo, N. Y., renewal of limited public license for 184, 194 kc., 500 watts; WAM, Buffalo, N. Y., renewal of Coastal license for 410, 143, 5525, 425, 454, 165, 171, 4116, 8630 kc., 1 KW and renewal of marine relay license for 165, 171, 4116, 8630 kc., 1 KW; Intercity Radio Telegraph: WTK, and WTL, Cleveland, O., consent to voluntary assigment of licenses to Midwest Wireless Co., Inc., coastal service, & limited Pub. service

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PATENTS, PATENT SUIT, TRADE-MARKS, LABEL

The following patents were granted during the week ending July 8:

- 1,769,918. Electrooptical Transmission System. Frank Gray and John R. Hefele, New York, N. Y., assignors to Bell Telephone Laboratories, Inc., New York, N. Y. Filed February 2, 1929.
- 1,769,919. Electrooptical Transmission System. Frank Gray and John R. Hefele, New York, N. Y., assignors to Bell Telephone Laboratories, Inc., New York, N. Y. Filed April 30, 1929.
- 1,769,920. Electrooptical Transmission System. Frank Gray, New York, N.Y., assignor to Bell Telephone Laboratories, Inc., New York, N. Y. Filed April 30, 1929.
- 1,769,954. Means for Recording and Reproducing Sensorial Effects. Wallace O. James, Chicago, Ill. Filed October 20, 1927.
- 1,769,988. Synchronizing Apparatus. Arthur P. Davis, New York, N.Y. Filed February 5, 1927.
- 1,770,131. Electromagnetic Device. Florian Joseph Fox, Baldwin, N. Y., assignor to American Bosch Magneto Corp., Springfield, Mass. Filed January 4, 1928.
- 1,770,143. Radio Amplifying System. Greenleaf Whittier Pickard, Newton Center, Mass., assignor to Wireless Specialty Apparatus Company, Boston, Mass. Filed May 7, 1923.
- 1,770,205. Television System. Alfred N. Goldsmith and Julius Weinberger, New York, N. Y., assignors to Radio Corporation of America. Filed March 25, 1929.
- 1,770,234. Apparatus for Reproducing Sound. Lewis Colin Grant, Heaton, Newcastle-upon-Tyne, England. Filed July 6, 1928

Patent Suit

- 1,645,491. L. J. Leishman, Telegraphophone reproducer, filed April 17, 1930, D. C., S. D., N. Y., Doc. E 53/54, The Elec-Tru-Tone Corp. v. The Amplion Corp. of America et al.

Label

- 1,645,661 - Title: Arcturus Photolytic Cells. For Light-Sensitive Cells. Arcturus Radio Tube Company, Newark, N. J. Published April 12, 1930.

## Trade-Marks

The following trade-marks are published in compliance with Section 6 of the Act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within 30 days of this publication

Ser. No. 299,564. Eagle Electric Manufacturing Co., Inc., Brooklyn, N. Y., Filed April 28, 1930. Trade-Mark: Words "Eagle" on banner with eagle with spread wings perched on top of so-called banner. For Electric Heating Pads, etc., etc., Electron Tubes, Incandescent Lamps, etc, etc., Electric Fuses, Radio Receiving Sets, etc., Radio Voltage Regulators. Claims use since Jan.1, '23

Ser. No. 300,750. Philadelphia Storage Battery Co., Philadelphia, Pa. Filed May 17, 1930. "Philco" for Batteries, and parts, etc.; Radio Receiving Sets, Radio Speakers and Radio Parts and Supplies, namely, Radio power supply devices, namely A. and B socket power, vacuum tubes, power transformers, fixed condensers, fixed resistors, variable resistors, radio frequency coils, switches, push-pull transformers, speaker field coils, filter condensers, variable condenser parts, loud-speaker cones, fixed radio frequency transformers, radio frequency chokes, pilot lamps, oscillators, knobs, tube shields, variable condensers, tuning scales, control grid clips, rubber mounting washers, tube sockets, neutralizing condensers, shielding lids, speaker sockets, binding posts and panels, speaker cables, and radio set wiring cables. Claims use on batteries since about middle of Sept. 1922, on parts and supplies since March 1, 1923; on radio receiving sets and radio speakers since June 25, 1928, and July 31, 1928, respectively; on radio power supply devices namely A and B socket power, since 1925; on vacuum tubes since June, 1929, on power transformers, fixed condensers, fixed resistors, variable resistors, radio frequency coils, switches, push-pull transformers, speaker field coils, filter condensers, variable condenser parts, and loud-speaker cones since Jan. 13, 1930; on fixed radio frequency transformers since Feb. 25, 1930; on radio frequency transformers since Feb. 25, 1930; on radio frequency chokes, pilot lamps, etc., and radio set wiring cables since March, 1930.

## Trade-Mark Registrations Granted

272,604. Trade Publication. Aerovox Wireless Corporation, Brooklyn, N. Y. Filed March 11, 1930. Published April 22, 1930.

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# 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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No. 351



## LAFOUNT TO SURVEY THE WEST

Radio Commissioner Harold A. Lafount will make a survey of radio conditions in the Middle West, beyond the Mississippi and East of the Pacific Coast, between July 15 and about August 15th. He will visit 17 cities in eight States and will confine his inspections largely to the smaller broadcasting stations and problems of listeners.

During his tour he will inspect the needs of Boulder Dam for broadcasting and communication facilities. His itinerary follows:

Leaving Washington July 23, returning Aug. 15; Cheyenne, Wyo., July 25; Laramie, Wyo., July 26; Salt Lake City, Utah, July 28; Ogden, Utah, July 29; Pocatello, Idaho, July 30; Boise, Idaho, July 31; Twin Falls, Idaho, Aug. 1; Reno, Nev., Aug. 2; Las Vegas and Boulder Dam, Nev., Aug. 4; Prescott, Ariz., Aug. 5; Jerome, Ariz., Aug. 6; Flagstaff, Ariz., Aug. 6; Albuquerque, N. Mex., Aug. 7; Raton, N. Mex., Aug. 8; Trinidad, Colo., Aug. 9; Kansas City, Mo., Aug. 11; St. Louis, Mo., Aug. 13.

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## REED DEMANDS PENNSYLVANIA'S QUOTA

Declaring that unless Pennsylvania is given "its proper quota of broadcasting stations", the matter will be carried "to the President, the press, and, if necessary, to Congress", Senator Reed (Republican), of Pennsylvania, informed the Federal Radio Commission in a letter just made public.

The letter follows the publication of figures by the Commission, on the basis of the unit tabulation, showing that Pennsylvania is the most under-quota State in the Union in the distribution of broadcasting facilities. It lacks 8.9 units of the 19.25 to which it is entitled by the Commission's own admission.

Senator Reed says in part:

"I would like to have a general statement from the Radio Commission with respect to broadcasting stations in Erie, Johnstown, Lancaster and Reading, Pa. These four stations in particular have endeavored from time to time to have their power increased.

"In the central part of the State particularly, broadcasting programs and conditions have been highly unsatisfactory for many months. There are perhaps a dozen counties which are unable at the present time to get good programs from any station. This condition is made worse by the action of the Commission in dividing the time between Station WBAL, in Baltimore, and a station in Hartford, Conn.

"My information indicates that there are perhaps 1,000,000 or more families which, because of the Commission's discrimination against Pennsylvania, are entirely without satisfactory radio reception.

"I may say in this connection that I can see no legal or administrative justification for the persistent failure of the Commission to give Pennsylvania its proper quota of broadcasting stations and its failure to increase the power of stations in communities like those named, whose population, industrial importance and geographic location entitle them to greater consideration.

"Harrisburg is another city - one of the several in the central part of the State - which has been denied proper facilities.

"In saying this, I am well aware of the difficulties which confront the Commission. I do not minimize the administrative problem presented by the effort to satisfy a continuous and, at times, unreasonable, demand for additional licenses and greater power for broadcasting stations."

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#### SUCCESSOR TO INTERCITY FORMED

Ship owners on the Great Lakes have organized the Midwest Wireless, Inc., to take over the radio operations of the bankrupt Intercity Radio Telegraph Company upon approval of the Federal Radio Commission. A dozen applications have already been filed by the new company.

The Intercity Company last month forfeited the licenses of five of the eight stations it operated by failure to appear at a hearing. Testimony was offered on behalf of the Steamship Owners' Association asking that a plan be worked out whereby the service could be continued. The new applications for transfer and the formation of the new company are in compliance with the suggestion of the Commission that the customary procedure be followed.

In his letter, W. H. McGean, President of the new corporation, explained that the organization is being formed "by a majority of vessel interests who are entirely responsible and are prepared to give public service over the Great Lakes. Their financial responsibility cannot be questioned and they are putting enough money into the company so that there will be no danger of receivership in the future and creditors losing out. It is their plan to keep going the old offices of Intercity Radio Company at Buffalo, Ishpeming, Duluth and Cleveland. The Columbus office will be closed and no point to point license from Cleveland to Columbus, Chicago, Detroit or Buffalo will be requested at this time."

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## ADVOCATES INDEPENDENT BROADCASTING FOUNDATION

O. H. Caldwell, in connection with an editorial in the July issue of Radio Retailing, advocating an independent endowed broadcasting foundation, has issued the following statement:

"A vision of broadcasting as a great endowed institution, lifted to new heights of public service and forever free of governmental, political or industrial interference, is a logical sequel to the announcement of the \$250,000,000 Rockefeller Radio City in New York.

"Eventually, the radio industry will want to step out of broadcasting, leaving the vast machinery of air entertainment to an independent Broadcasting Foundation, supervised by a committee of outstanding citizens, representing all shades of opinion.

"Such an outcome would take the great political and educational power of broadcasting out of the hands of the 'radio trust.' It would also preclude the future possibility of the public paying tax on receiving sets to defray the costs of radio programs, as has recently been proposed by those who would have the government take over the production and distribution of the nation's air entertainment. It would mean that radio broadcasting could go ahead to new and lofty levels of service, untrammelled by financial restrictions or control by any industrial group and free from interference from politicians and pettifoggers exerted through present channels. It would make radio broadcasting wholly independent and free, responsible only to the service of the public without any other consideration whatever."

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### WORC, WORCESTER, JOINS COLUMBIA

Another link has been added to the New England network, headed by WNAC, with the addition of Station WORC, at Worcester, of which Ted Hill is the Manager. In addition to taking many of the commercial programs of WNAC, this station will also handle the programs of Columbia until other arrangements are made.

With the addition of WORC, this New England network, which is in reality a daytime chain using Columbia programs at night, numbers five stations, WNAC, Boston, WEAN, Providence, WLBZ, Bangor, WORC, Worcester, and WNBH, in New Bedford. The New Bedford station takes only the daytime programs of WNAC and has not yet been added to Columbia.

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## BROADCAST ADVERTISING RECOGNIZED BY COLLEGE ACCEPTANCE

When asked for some comment upon his designation as a lecturer on broadcast advertising by the College of the City of New York, F. A. Arnold, Director of Development of the NBC said:

"I suppose it is quite an honor to be selected as the one to deliver the first course of lectures on broadcast advertising to be sponsored by any college in the United States.

"It shows how completely broadcasting has been accepted as an advertising medium and the place it is bound to hold eventually in the business and educational fields."

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## REICHMANN FUNERAL HELD LAST FRIDAY

The funeral of Ernest R. Reichmann, well known radio lawyer, who died following an operation in Chicago, was held last Friday at his home in Wilmette, Ill. Mr. Reichmann was survived by a widow, three daughters, and a son; also by his mother.

Mr. Reichmann was a member of the law firm of Urion, Drucker, Reichmann and Boutel.

In addition to being Associate Counsel with former Senator James A. Reed, in the suit filed by the Grigsby-Grunow Company against the RCA, he was attorney in the forthcoming case in the Supreme Court to test the constitutionality of the Radio Act. Also, he was counsel for a group of independent manufacturers who were successful in forcing the RCA to abandon the practice of requiring licensees to use their tubes.

Mr. Reichmann was a founder of both the Radio Manufacturers and the Radio Protective Associations.

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## "FAMOUS ARTISTS" TO BEGIN

Radio presentations from recordings made in advance by leading artists and entertainers will be broadcast this week by 178 independent stations scattered throughout the country, one or more stations of which will be in New York, according to an announcement by Famous Artists of the Air, Inc., of which Eddie Dowling is President. Headquarters of the new organization are at 655 Fifth Avenue. Other officers and founders of the corporation were announced as Monte Brice, First Vice-President; William Rowland, Second Vice-President; Frank C. Reilly, J. Arthur Adler, Attorney, and C. Pinkney McCarver.



Primarily the organization will record radio programs for "spot broadcasting, making it possible for cities outside of those in a national hook-up to receive the maximum of entertainment from radio."

"More than two dozen such programs are already recorded, sponsored and ready for presentation," said a Famous Artists representative. "They are to begin this week, and within a few days the local station or stations in the system will be announced. The recordings represent the talent of leaders in the entertainment field."

By this method of presenting radio programs, the recording organization looks toward the "elimination of wire charges" of the ordinary radio network; the increase of radio listeners "by over 100 per cent" because programs can be presented at the most advantageous hours throughout the country, and the providing of a program by noted entertainers within the reach of "small town dealers and manufacturers" without the expense of the large radio hook-up.

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#### RMA TRADE SHOW DREW OVER 30,000

The official registration at the Atlantic City Trade Show of the Radio Manufacturers' Association was exactly 30,041. It was 31,589 at Chicago in 1929, and 24,600 in 1928.

Details of the Atlantic City registration follow:

June 2 - 3,710; June 3 - 4,838; June 4 - 10,413;  
June 5 - 6,694; June 6 - 4,386.

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#### RADIO SALES GREATER IN CITIES

Radio sales per dealer in the large cities of the United States were greater than those in the less thickly populated communities, a study of radio retailing during 1929 by the Electrical Equipment Division, Department of Commerce, reveals.

In cities having a population of 3,000,000 and over, the average business per radio dealer amounted to \$54,416. Cities ranging in population from 400,000 to 500,000 followed, the average radio business per dealer aggregating \$53,844.

The average sales per dealer in communities with a population of less than 10,000 were less than one-tenth the average for dealers in cities of 3,000,000 and over. Dealers in communities of under 10,000 population represented 64.6 per cent of the 10,533

reports received, but accounted for only 26 per cent of the year's business reported, which totaled \$140,771,378.

Sales per dealer in cities of between 100,000 and 150,000 population amounted to \$30,807, while those in cities with populations between 2,500,000 and 3,000,000 aggregated \$43,077.

The average sales per dealer in communities of between 25,000 and 35,000 people were placed at \$18,792.

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#### BUSINESS LETTER BRIEFS

The District of Columbia Court of Appeals has denied the plea of Press Wireless, Inc., that the Stay Order in the continental short wave case be modified so as to release the 20 channels awarded to the press organization.

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Another application for authority to use 50,000 watts has been filed by WBZ, of Springfield, Mass. The station, operated by Westinghouse Electric and Manufacturing Co., has been synchronized with WBZA, of Boston. Because of the expense of the project, however, an application to consolidate the stations with the maximum power was filed. It was later reduced to 15,000 watts because of the talk of cutting high power stations.

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"The most outstanding improvement found in the new radio receivers now being produced is automatic volume control", according to R. H. Langley, Director of Engineering for the Crosley Radio Corporation, and Director of the Radio Manufacturers' Association.

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James W. Garside, President of the DeForest Radio Co., has announced in a letter mailed to stockholders the action of the Directors in authorizing an issue of \$800,000 par value of three-year 6 per cent gold notes, to be dated July 15, 1930, and payable in 1933. The notes will be convertible into common stock of the company and are available only to stockholders of record of July 14.

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"Each radio set and speaker has a 'voice' or tone of its own, of which the average owner becomes tired, after a year or so of listening to it", writes Charles E. Trocewell in the Washington Star. "In most cases, he does not know what is the matter, but calls up the store and complains that his set 'does not sound

as well as it used to.' The set sounds the same, but his ears and tastes have changed, and there is nothing that can be done about it, except to buy a new outfit. Many have done just that, but the indications are that the golden age has passed."

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The Universal Broadcasting Company has applied to the Federal Radio Commission for permission to increase the power of Station WCAU, Philadelphia, from 10,000 to 50,000 watts.

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Station WBAL, of Baltimore, has applied for permission to raise its power from 10,000 to 15,000 watts.

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The Standards Yearbook of 1930 has just been issued by the Department of Commerce. The book contains suggestions and data for all engaged in standardization. Copies may be obtained for seventy-five cents each from the Superintendent of Documents, Government Printing Office, Washington, D. C.

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The new telephone number of the Federal Radio Commission, which recently moved into the National Press Building at 14th and F Streets, N. W., Washington, D. C., is Metropolitan 2180.

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#### TWO DOZEN RADIO CASES IN COURTS

More than two dozen radio cases are in litigation in Appellate Courts and are not likely to be heard before Fall, according to records of the Federal Radio Commission.

Three cases raising fundamental questions of radio law are pending in the United States Supreme Court, which has recessed until October, while sixteen appeals from broadcasting stations and a half dozen communication cases are in the Court of Appeals of the District of Columbia.

Several other cases are scattered among Federal District Courts and in the District of Columbia Supreme Court.

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## PORTER VICE-PRESIDENT OF RCA

G. Harold Porter, of San Francisco, was recently elected Vice-President of the Radio Corporation of America in charge of Pacific Coast activities. No announcement was made of the election at the time of the meeting of the Directors, as it was planned that Gen. James G. Harbord, Chairman of the Board, should notify Mr. Porter personally of the Directors' action.

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## LICENSES AGAIN EXTENDED

Licenses of all broadcasting stations which have filed applications for renewal were extended for the regular 90-day period beginning August 1, under an order adopted July 12th by the Federal Radio Commission.

Three stations that are operating on channels prescribed by the Court of Appeals of the District of Columbia are not affected by the order.

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## WORK STARTED ON RADIO BEACON

Work has started on the Washington radio range beacon, marking the final step in second extended blind-flying airway, according to the Department of Commerce. With stations at Greensboro, N. C., Spartanburg, S. C., Richmond, Va., and Atlanta, Ga., more nearly completed than the Washington beacon, it is expected that the entire link in the coastal chain will be put into operation between July 21st and August 1st.

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## RADIO EXPORTS SHOW GAIN

Following is a table showing the exports of radio apparatus from the United States as compiled by the Electrical Division of the Department of Commerce:



	<u>May</u>		<u>5 Months ending May 31st</u>	
	1929	1930	1929	1930
Transmitting tubes, sets, and parts	: 72,562 :	: 59,071 :	: 381,971 :	: 557,719 :
Receiving sets	: 485,032 :	: 725,960 :	: 2,476,005 :	: 3,312,100 :
Radio receiving tubes	: 128,413 :	: 233,144 :	: 682,440 :	: 1,022,355 :
Receiving-set components	: 248,105 :	: 221,400 :	: 1,176,065 :	: 1,156,688 :
Loud-speakers	: 187,287 :	: 121,774 :	: 751,432 :	: 649,878 :
Other receiving-set accessories, n. e. s.	: 144,972 :	: 85,468 :	: 647,702 :	: 460,672 :

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### PHILADELPHIA LISTENERS CANVASSED

The likes and dislikes of Philadelphia radio listeners have been tabulated under the direction of Herman S. Hettlinger, of the Wharton School of Finance, University of Pennsylvania. The station preferences of Philadelphians (the 10 most used stations, and percentage of Philadelphia coverage) were shown as follows:

"A" (WJZ New York) 90.0%; WCAU, (Phila.) 71.0%; "B" (Phila.) 21.6%; "C" (New York) 16.4%; "D" (Phila.) 15.8%; "E" (Newark), 14.3%; "F" (Phila.) 12.2%; "G" (Phila.) 12.0%; "H" (Camden), 10.0%; "I" (Phila.) 4.2%.

In relative standing of Philadelphia stations as regards **popularity with local** listeners, WCAU led with 67.9% of the radio families placing the station first, and 11.0% second. The second station (designated by "B") received 11.2% and 23.3% respectively.

The percentage of persons liking each type of program is set forth as follows:

Music, 96.2%; Comedy, 66.5%; Drama, 58.2%; Sports, 44%; Religious, 33.5%; Educational, 33%; News, Market Reports, etc., 32%; Special Features, 32%; Women's Features, 26.2%; Children's programs, 25%.

The results of the survey have been gotten up in multi-graphed form and doubtless copies may be secured by writing to Herman S. Hettlinger, University of Pennsylvania, or perhaps from Dr. Leon Levy at Station WCAU, Philadelphia.

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## RCA FREQUENCY BUREAU REORGANIZED

The Frequency Bureau of RCA Communications, Inc., has been renamed the RCA Central Frequency Bureau and has been reorganized to serve the Radio Corporation of America and all its organizations, including RCA Communications, Inc., Radiomarine Corporation of America, RCA Victor Company, Inc., and the National Broadcasting Company.

The RCA Central Frequency Bureau will be the normal channel of contact and communication for these organizations with the Federal Radio Commission, with other departments of the Government, and with foreign radio stations, companies, or administrations in all matters concerning radio station licenses, the assignment and use of frequencies, interference between radio stations, and similar related matters.

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## BROADCASTING APPLICATIONS RECEIVED BY RADIO COMMISSION

July 12 - WBAL, Consolidated Gas Electric Light and Power Co. of Baltimore, Glen Morris, Md., modification of license to increase power from 10 KW to 15 KW, on 1060 kc., sharing with WTIC; WBAK, Pennsylvania State Police, Commonwealth of Pennsylvania (C. M. Wilhelm, Agent), State Arsenal, Harrisburg, Penna., modification of C. P. to make changes in equipment and extend completion date to July 15, 1930, on C. P. issued 1/11/30; WHBL, Press Publishing Co. & C. L. Carrell, Sheboygan, Wis., request for authority to voluntarily assign license to the Press Publishing Co.; WISJ, Wisconsin State Journal Company, Beloit, Wisconsin, request for authority to voluntarily assign license to the Wisconsin State Journal Broadcasting Company.

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# 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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RECEIVED

JUL 18 1930

PRESS RELATIONS DEPARTMENT  
G. W. JOHNSTON

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No. 352

## NOVEL OPINION HELD BY WHEAT

A decision that may have far-reaching importance has been rendered by Chief Justice Wheat of the Supreme Court of the District of Columbia in the case of Station WFBR, owned and operated by The Baltimore Radio Show, Inc., vs. Federal Radio Commission and Station WCBM, owned and operated by the Baltimore Broadcasting Corporation.

The particular novelty in this decision rests in the fact that the Court found increased interference from another station was a revocation of a broadcasting license pro tanto, which entitled an aggrieved station to citation and hearing under the Radio Act of 1927.

In the most recent report of the American Bar Association, the Committee on Radio Law pointed out that the Act of 1927 afforded no relief to a station where the Commission changed the frequency of some other station so as to create increased interference, and thus reduce its radio audience.

The present instance presented a very clear cut case. WCBM, 1370 kilocycles with a power of 250 watts day and 100 watts night, is located in the heart of the City of Baltimore; the complaining station, WFBR, 1270 kilocycles, power 250 watts, is located four miles out of town. With a separation of 100 kilocycles programs of both stations could be readily received throughout the city.

Because of alleged interference from Station WELK, of Philadelphia, operating on 1370 kilocycles, 100 watts, ninety miles distant, Station WCBM applied for assignment of 1210 kilocycles. This frequency was 60 kilocycles removed from the frequency of the complaining station WCBM and the Commission did not notify them of the hearing, or give them an opportunity to be heard.

Previous experience with Station WBAL had demonstrated that the Baltimore area required more than a 60 kilocycle separation for good reception, hence Station WFBR immediately protested to the Federal Radio Commission and within a few hours thereafter filed a bill to enjoin the Commission from issuing the order. After service of the papers the Commission, nevertheless, proceeded to issue the order, and Station WCBM immediately went on the assigned frequency of 1210 kilocycles.

Upon application of the Radio Show station, Judge Soper of the United States District Court of Baltimore issued a restraining order which prohibited WCBM from broadcasting on any frequency save its former channel pending a hearing before the District of Columbia Supreme Court. Thereupon the Commission gave the defendant station a temporary license on 1370 kilocycles.

Chief Justice Wheat then issued a restraining order preventing the reassignment of WCBM from becoming effective until a hearing of WFBR's complaints be heard before the Radio Commission,



thus giving the latter station an opportunity to carry the case to the District of Columbia Court of Appeals. This appellate right was denied WFBR under the former procedure.

Attorneys Herbert S. Ward, of Washington, and George A. Mahone, of the Maryland bar, appeared for Station WFBR.

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#### TELEVISION PLAY GIVEN IN ENGLAND

For the first time in England, the Baird system of television was used to broadcast a play on July 14th, according to a special dispatch to the New York Times. The British Broadcasting Corporation produced the demonstration. Dramatic critics agreed that the visual broadcasting of plays was still far from perfect and that there was little for legitimate actors of the theater to worry about as yet.

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#### PRICE REDUCTIONS IN RCA RADIOTRON TUBES

Price reductions averaging 24% in the list prices of four of the most popular types of RCA Radiotron vacuum tubes, were announced today by T. W. Frech, President of the RCA Radiotron Co., Inc. These reductions will save large sums for radio listeners in the next twelve months. In making this announcement, Mr. Frech, indicated that these new low prices are to be regarded as "the beginning of the fulfillment of a promise." The new prices, which become effective immediately, are as follows:

<u>Type of Tube</u>	<u>Old List Price</u>	<u>New List Price</u>	<u>Saving</u>
224	\$4.00	\$3.30	\$.70
227	2.50	2.20	.30
245	3.50	2.00	1.50
280	3.00	1.90	1.10

"Economies introduced since the formation of the RCA Radiotron Co. seven months ago, make these new prices possible," said Mr. Frech. "Our company was organized by the Radio Corporation of America to effect the unification of vacuum tube development, manufacture and sales, and we accept the responsibility of leadership which rests upon the founders of the radio industry in America. We shall always strive to produce a good value in a radio tube, thus contributing to the enjoyment of radio everywhere."

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## INTERNATIONAL INTERFERENCE FEARED

The rapid increase in the number of radio stations for trans-oceanic communication throughout the world is likely to cause serious international interference and greatly hamper the reception of the United States naval stations.

Pointing out that more than 2,000 such stations are now being constructed for operation upon the limited high frequencies, a statement from the Navy Department declares that the problem can be coped with only by cooperation among the countries engaged in international radio communication.

"It is further estimated by the Department that this condition will become increasingly difficult during the next five years and that experience to date is but a small indication of difficulties to come"; the statement asserts.

Because of this congestion, Capt. S. C. Hooper, Director of Naval Communications, has issued new instructions to the naval service, emphasizing the importance of immediately reporting any interference with naval radio communication so "that appropriate action may be taken to clear the interference."

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## HONDURAS STATION DEVELOPS WIDE RANGE

A booklet "Melodies of the Tropics!" has been issued by the Tropical Radio Telegraph Company, of Boston, describing the accomplishments of its broadcast station "HRB." Commercial time is sold by the station which is located in the heart of Central America at Tegucigalpa, Honduras. A radius of 5,000 miles covering Central America, Mexico, Cuba, Jamaica, the United States, Canada, South America, and even parts of Europe is claimed. The facilities are offered to advertisers to increase sales in Latin American countries.

Proof of "HRB'S" wide range is shown by letters in the booklet received from Lockport, N. Y., Budapest, Hungary, Kansas City, Kans., Providence, R. I., Cleveland, O., Oakland, Calif., Philadelphia, Pa., and Seattle, Wash. Also from Cuba, El Salvador, Costa Rica, Nicaragua, Panama and Mexico.

Copies of this booklet may be obtained by addressing the Tropical Radio Telegraph Company at 1 Federal Street, Boston, Mass.

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## STATION PROGRAM SURVEY STARTED

A national survey of broadcasting to determine the character of programs and the service which each of the 600-odd stations is giving the public has been started by the Radio Division of the Department of Commerce upon the request of the Federal Radio Commission.

Empowered by the Radio Law of 1927, only to order a station off the air when it does not serve "public interest, convenience, and necessity", the Radio Commission wants to be certain that all broadcasters are providing this service, particularly in view of the congestion of stations in the broadcast spectrum.

The survey is being made by the nine Federal Radio Supervisors of the Radio Division under the direction of William D. Terrell, Chief of the Division, and their assistants. Because of the size of the task and the plan to make the check in each of the four seasons, the canvass will take at least a year.

The likes and dislikes, the complaints and the compliments of listeners will play an important role in the rating of a station. While it will obviously be impossible to interview every listener, representative civic organizations such as Chambers of Commerce, Boards of Trade, Boards of Education, and the like, will be queried. The Supervisors will also tune in on stations themselves.

### Listeners Society Also Makes Survey

A distinction is also being made between the clear, regional, and local channel stations because of their respective abilities to obtain expensive talent or chain programs. This will be the first attempt the Radio Commission has ever made to evaluate all radio stations on the basis of programs they offer.

A somewhat similar survey is being undertaken by the National Radio Society, located in the Hill Building, Washington, D. C. This is an organization composed of listeners, the president of which is Wendell C. Hill. The Society will endeavor to ascertain the class of programs as well as the individual artists preferred by listeners.

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: BUSINESS LETTER BRIEFS :  
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The General Electric Company announced July 14 that its sales for the first six months of 1930 exceeded the total for the corresponding period of last year by \$3,000,000, while the net profit available for dividends on the common stock was slightly less than a year ago, amounting to \$29,273,276, equivalent to \$1.01 a share on the outstanding common stock. This compares with \$30,740,768, or \$1.07 a share, for the corresponding six months of 1929.

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Those stations desiring further information on medical quacks may be interested to know that at the suggestion of Health Commissioner Wynn, of New York, the National Better Business Bureau, 383 Madison Avenue, New York City, has compiled a "Rogues' Gallery" with complete histories of more than 25,000 disreputable practitioners and manufacturers of spurious cures. It lists not only those who have been in trouble with the law, but many who have thus far avoided arrest.

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The Federal Radio Commission on July 15 filed notification of an appeal from the temporary injunction granted by the Supreme Court of the District of Columbia on the application of WHAM, Rochester, N. Y. The statement filed with the Supreme Court enumerated a series of alleged errors in the Court's action. WHAM was one of the appellants in the 26 station proposed shift. The Commission has already appealed to the Court of Appeals of the District of Columbia from the Supreme Court's adverse action.

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The Department of Commerce has announced that a new radio beacon is to be erected on the Kauai Island of the Hawaiian group to supplement one already in operation and to enable approaching vessels to take a two-point bearing, establishing distance as well as direction.

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Intercity Radio Telegraph Company has asked the Radio Commission to assign its station, WTK, of Cleveland, to the newly-organized Midwest Wireless Company. The latter company has also requested the Commission to renew the license of the Intercity station at Duluth, Minn.



The Radio Commission filed in the Court of Appeals of the District of Columbia a statement of facts in the appeal of WRAW, Reading, Pa., which was denied permission to change its frequency from 1310 to 620 kilocycles, to increase its power from 100 to 500 watts, and to operate full time instead of dividing time with WGAL, of Lancaster, Pa., as at present.

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The RCA Radiotron Company, Inc., has just released a sound motion picture, "The Earth's Four Corners", which will be shown throughout the country to portray the distant and various sources of material used in the manufacture of RCA radiotrons. John S. Young, NBC announcer, explains the foreign scenes in the picture.

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Marconi's Wireless Telegraph Company, Ltd., of London, England, have declared the following dividends: On the Ordinary shares - 15%, less tax; On the Preference shares - 5%, less tax; These dividends are for the year 1929 and are payable on July 14th to stockholders of record July 14th and to holders of share warrants to bearer.

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A net income of \$81,671,847 is reported by the American Telephone and Telegraph Company for the first six months of 1930, after all taxes and charges equal to \$5.71 a share earned on 14,309,035 average number of shares outstanding during the period, compared with \$80,102,038, or \$6.15 a share, earned on 13,028,807 average number of shares outstanding during the first half of 1929.

While there was a gain of \$1,569,809 in net income, there was a 44 cent decline in earnings a share, due to an increase of 1,280,228 in the number of shares outstanding, largely through the conversion of bonds into stock this year.

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Dr. C. B. Jolliffe, Chief Engineer of the Radio Commission, and Gerald C. Gross, short wave expert, will attend sessions of the International Technical Radio Advisory Committee in New York Monday and Tuesday.

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Production of the General Motors Radio Corporation has been running steadily at 750 sets a day, R. J. Emmert, President, has announced. He said that the present rate of production would be continued during July and August, with a step-up probable in September or the last two weeks in August.

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The Western Electric Company reports for the six months ended June 30, sales of \$201,620,000, compared with \$194,694,000 in the first six months of 1929, an increase of \$6,926,000 or 3.5 per cent.

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#### POWER OF TWO STATIONS CUT IN HALF

The licensed broadcasting power of Station KMO, of Seattle, Wash., and Station WRAW, of Reading, Pa., was cut in half without a hearing by the Federal Radio Commission on July 16th because the actual capacities of the transmitters do not equal the output previously licensed.

Station KMO was licensed for 500 watts at night and 1,000 watts during the day, but the new permit limits the power of the station to 500 watts since its transmitter is so rated. Station WRAW, which was licensed for 100 watts, is cut to 50 watts on the same basis.

Station WRAW has an appeal pending in the District of Columbia Court of Appeals from a decision of the Commission denying it authority to increase its power to 500 watts and operate full time.

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#### TELEVISION ENGAGED AT LONDON

Capt. O. G. Hutchinson, General Manager of the Baird Television Corporation, announced July 16th that he had received a cablegram from London which said the Baird television facilities had been engaged for at least a week, beginning July 28, to demonstrate television at each of the three daily performances at the London Coliseum, according to the New York Times. Arrangements were made with Sir Oswald Stoll, one of the leading cinema and theatre owners of Great Britain.

The Coliseum performance is a "variety show." The images are to be thrown on a screen life size, as intercepted from stations of the British Broadcasting Corporation, or land wire transmission from the Baird television studios in London.

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## APPLICATIONS RECEIVED BY FEDERAL RADIO COMMISSION

Other Than Broadcasting - July 14 - WTK, Intercity Radio Telegraph Co., Hotel Cleveland, Cleveland, Ohio, voluntary assignment of license to Midwest Wireless Co., Inc.; limited public service and marine relay; WTK, Midwest Wireless Co., Inc., Hotel Cleveland, Cleveland, Ohio, renewal of license for 165, 171, 4116, 8630 kc., 1 KW, marine relay; WME, Midwest Wireless Co., Inc., Duluth, Minn., renewal of license for 165, 171, 4116, 8630 kc., 1 KW; Globe Wireless Ltd., Island of Oahu, Terr. Hawaii, new C. P. for 3274, 3324, 4725, 5335, 6905, 7640, 10050, 15700, 18580, 19940 kc., 20 KW, limited public service; also at Cypress, Calif., New C. P. for 165, 174, 181, 184, 3298, 4575, 5235, 5855, 7385, 7925, 15010, 18140, 19260, 20540 kc., 20 KW, limited public service; also, Edmonds, Wash., C. P. to install additional high frequency transmitter for 164, 171, 183, 189, 3286, 4284, 5525, 5355, 7310, 7850, 13600, 17820, 19140, 20460 kc., 20 KW, limited public service; City of Akron, Police Dept., Akron, Ohio, new C. P. for 2458 kc., 100 watts, limited commercial service; Director of Public Safety, Passaic, N. J., license to cover C. P. for 2416 kc., 50 watts, limited commercial service.

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## DECISIONS OF THE FEDERAL RADIO COMMISSION

The following applications were granted on July 15th:

WRWA, Horace D. Good, d/b as Avenue Radio and Electric Shop, Reading, Pa., renewal of license on 1310 kc., 50 watts; WOS, Missouri State Marketing Bureau, Jefferson City, Mo., renewal of license, 630 kc., 500 watts; WCLB, Arthur Faske, Brooklyn, N. Y., renewal of license, 1500 kc., 100 watts; C. Francis Jenkins, Washington, D. C. license to cover C. P. (Exp.) 1604, 2398, 3256, 4795, 6425 kc., 250 watts, subject to restrictions governing experimental stations; W2XBM, RCA Communications, Inc., Rocky Point, N. Y., license to cover C. P. (Exp.) 1604, 2398, 3256, 4795, 6425, 8650, 12850, 17300, 25100 kc., 200 watts, subject to all restrictions governing experiment stations; W2XBP, Same Co., same as above except 10 watts power; Colonial Air Transport, Inc., Airplanes NC-9138, NC-198H, NC-8486, NC-9663, experimental aircraft licenses, 1604, 2398, 3256, 4795, 6425 kc., 100 watts, subject to all restrictions governing general experimental stations; KGE, Boeing Air Transport, Inc., Medford, Ore., aeronautical license, 278 calling and working from ground station to itinerant aircraft, power not to exceed 15 w., 3172 and 5660 kc., red chain frequencies, power 400 watts.

Also, WCF, City of New York Fire Dept., New York City, license to cover C. P. 1596 kc., 400 w., to be used in emergency communication with fire boats; KGSU, Midland, Tex., KGSA, Abilene, Tex., KGSQ, Western Air Express, Inc., licenses to cover C. P. 278. calling and working from all ground stations to itinerant aircraft. Power not to exceed 15 watts; 3070, 3460, 6350, 8015 day only, 12180 day only Blue Chain frequencies, 400 w. power.

Also, Aeronautical Radio, Inc.; KGSR, Pueblo, Colo., KGTD, Wichita, Kans., KGSE, Amarillo, Tex., KGSM, El Paso, Tex., KGSD, Albuquerque, N. M., renewal of licenses, 278 kc., calling and working from ground to itinerant aircraft; power not to exceed 15 watts; 3070, 3460, 6350, 8015 (day only), 12180 (day only) Blue Chain frequencies; to be used only for messages relating to the safety of life and property and not to conduct general public message traffic; WJT, RCA Communications, Inc., San Juan, P. R., modification of license for change in frequency from 4276 to 4050 kc., to relieve the Navy of interference (WJR, Rocky Point began using 4050 kc. on Oct. 2, 1926, under a Dept. of Commerce license which has since been extended a number of times; this frequency may be cancelled at any time without notice or hearing.

#### Ratification of Act of Commissioners

Fire Dept. of City of New York, New York City, on July 12th, granted authority to test equipment constructed in compliance with terms of C. P. for period not to exceed 10 days, between 1 A.M. and 6 A.M. D.M., provided Supervisor is notified 2 days in advance of beginning of such tests.

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#### ADDITIONAL APPLICATIONS, OTHER THAN BROADCASTING, RECEIVED

July 16 - Mutual Telephone Co., Honolulu, Ter. Hawaii, new C. P. for coastal service for one frequency within 1500, 1700 kc., band 50 watts; Aeronautical Radio, Inc.: KVO, Swan Island Airport, Portland, Ore., and KZJ, Boeing Field, Seattle, Wash., license to cover C. P. for 278, 5660, 3172 kc., 400 watts and 10 watts, aeronautical service; Tropical Radio Telegraph Co.: WNN, Mobile, Ala., renewal of limited public license for 6785, 10470, 12970 kc., 200 watts; WAX, Hialeah, Fla., renewal of limited public license for 55, 77, 80.5, 6770, 10450, 12940 kc., 1200 watts, 200 watts, 20 KW and 5 KW; Mackay Radio & Telegraph Co., KNK, Palo Alto, Calif., modification of license to include three additional transmitters.

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#### INDUSTRY SEEN IN NEW ERA

"The radio industry is entering a new business era where sanity, straight thinking, sound merchandising and advertising practices will rule those companies which are successful", according to Powel Crosley, Jr., head of the Crosley Radio Corporation,

"The hectic years of rapid growth with their circus stunts, ballyhoo, extravagance, waste and foolish business methods which made it resemble a street show, are now past", he said.

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# 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. :: :  
JUL 18 1930

JUL 18 1930

No. 352

July 17, 1930.

## PATENTS, PATENT SUITS, TRADE-MARKS, DESIGN

The following patents were granted during the week ending July 15, 1930:

- 1,770,422. Phase-Compensating Network. Harry Nyquist, Millburn, N. J., assignor to American Telephone and Telegraph Co., Filed February 25, 1926.
- 1,770,456. Tunable Radio Frequency Transformer. Glenn H. Browning, Winchester, and Frederick H. Drake, Watertown, Mass., assignors to National Company, Inc., Malden, Mass. Filed December 1, 1924, renewed May 10, 1928.
- 1,770,485. Means For Neutralizing Disturbances, Especially of Telegraph Signals Transmitted by Radio. August Jipp, Berlin-Spandau, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Filed June 14, 1929, and in Germany Feb. 28, 1928.
- 1,770,486. Double-Grid Tube Transmitter. Gunther Jobst and Hans Roder, Berlin, Germany, assignors to Gesellschaft fur Drahtlose Telegraphie m.b. H. Hallesches, Berlin, Germany. Filed Feb. 6, 1928, and in Germany Feb. 26, 1927.
- 1,770,490. Acoustics. Alexander Meissner, Berlin, Germany, assignor to Gesellschaft fur Drahtlose Telegraphie m.b.H., Berlin, Germany. Filed August 2, 1927, and in Germany August 13, 1926.
- 1,770,491. Electro-Acoustic Device. John Preston Minton, White Plains, and Abraham S. Ringel, Brooklyn, N. Y., assignors to Radio Corporation of America. Filed February 23, 1924.
- 1,770,493. Method and Apparatus for Pyro Recording. Richard Howlan Ranger, Newark, N. J., assignor to Radio Corporation of America. Filed Aug. 12, 1926, renewed Jan. 14, 1929

- 1,770,494. Loud-Speaker. Eugen Reichel, Berlin, Germany, assignor to Gesellschaft fur Drahtlose Telegraphie m.b.H., Berlin, Germany. Filed December 15, 1924, and in Germany, Jan. 26, 1924.
- 1,770,497. Method and Arrangement for Amplifying Photo-electric Currents. Fritz Schroter, Berlin, Germany, assignor to Gesellschaft fur Drahtlose Telegraphie m.b.H. Hallesches, Berlin, Germany. Filed March 31, 1928, and in Germany March 26, 1927; renewed June 4, 1929.
- 1,770,501. Electromagnetic Reproducer. Julius Weinberger, New York, N. Y., assignor to Radio Corporation of America. Filed August 29, 1925.
- 1,770,524. Amplifying System. Lester L. Jones, Oradell, N. J. Filed April 9, 1927.
- 1,770,525. Radio Receiving Apparatus. Lester L. Jones, Oradell, N. J. Filed July 15, 1927.
- 1,770,537. Reproducing Apparatus. Lionel G. Vachon, George M. McCarthy and Lawrence J. Ewing, Haverhill, Mass. Filed May 27, 1929.
- 1,770,541. Radio Frequency Amplifying System. Franklin H. Mackenzie, Bywood, Pa. Filed August 1, 1925. Renewed January 6, 1930.
- 1,770,761. Telautograph. George S. Tiffany, Summit, N. J. Filed April 11, 1928.
- 1,770,771. Radio Apparatus. Charles R. Garrett, Scotia, N. Y., assignor to General Electric Company. Filed May 19, '28.
- 1,770,838. Radio Signaling Apparatus. Wendell L. Carlson, Schenectady, N. Y., assignor to General Electric Co. Filed May 10, 1928.

#### Patent Suits

- 1,266,988. Pridham and Jensen, Amplifying receiver; 1,448,279, 1,579,392, same Electrodynamic receiver, filed April 16, 1930, D. C., N. D. Calif. (San Francisco), Doc. 2615-S, The Magnavox Co. v. Atwater Kent Mfg. Co. et al. Same, Doc. 2616-K, The Magnavox Co. v. Stromberg Carlson Telephone Mfg. Co. et al.
- 1,507,016. L. de Forest, Radio Signaling System; 1,507,017, same Wireless telegraph and telephone system, filed April 12, 1930, D. C. E. D. Mich., (S. Div.), Doc. 4121, DeForest Radio Co. v. Cardon Phonocraft Corp.
- Re. 17,245, Re. 17,247, W. G. Cady, Method of maintaining electric currents of constant frequency; Re. 17,355, same, Piezo-electric resonator, filed April 8, 1930, D. C., S. D., N. Y., Doc. E 52/389 Radio Corp. of America v. R. C. Powell & Co., Inc.

## Adverse Decisions In Interference

- Pat. 1,707,271, D. G. Little and N. C. Defibaugh, Radio signaling means, decided June 4, 1930, claims 2, 3, 4, and 5.
- Pat. 1,725,946. J. Weinberger, Broadcast receiving system, decided June 4, 1930, claims 1, 2, 3, and 4.

## Trade-Marks

The following trade-marks are published in compliance with Section 6 of the Act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within 30 days of this publication.

- Ser. No. 297,943. Lysle G. Tatro, doing business as L. Tatro Manufacturing Co., Decorah, Iowa. Filed March 26, 1930; Trade-Mark: "L Tatro" on diamond shaped label. For radio receiving sets, radio battery units and attachments and parts for adapting radio sets for use with farm power systems. Claims use since December 5, 1929.
- Ser. No. 301,028. General Cable Corporation, New York, N. Y. Filed May 22, 1930. "Pro-Tex" for bare and insulated electrical wires and cables. Claims use since about April 11, 1930.
- Ser. No. 301,259. Galvin Manufacturing Corp., Chicago, Ill. Filed May 26, 1930. "Motorola" for Radio receiving sets and parts thereof. Claims use since May 7, 1930;
- Ser. No. 301,759. Heintz and Kaufman, Ltd., San Francisco, Calif., Filed May 30, 1930. "Gammatron" for Radio tubes - namely, receiving and transmitting tubes. Claims use since Dec. 1, 1928.

## Trade-Mark Registrations Granted

- 272,731. Vacuum or Gas-filled tubes and particularly for voltage-regulator tubes. Westinghouse Lamp Co., Bloomfield, N.J. Filed February 27, 1930. Published April 29, 1930.
- 272,790. Radio Receiving Sets and Loud-Speakers, Antennae, Etc., The Baldwin Company, Cincinnati, Ohio. Filed February 6, 1929. Published April 29, 1930.
- 272,803. Radio Receiving Sets and Component Parts Thereof, consisting of Loud-Speakers, Transformers, Fixed and Variable Condensers; and Radio Television Receiving Sets. All-American Mohawk Corporation, Chicago, Ill. Filed Oct. 25, 1929, Published April 15, 1930.

- 272,805. Wireless Receiving Sets, Thermionic Amplifiers, Etc., Dulcetto-Polyphon Limited, London, England. Filed October 21, 1929. Published April 29, 1930.
- 272,806. Phonograph Records. Columbia Phonograph Co., Inc., Bridgeport, Conn., filed October 18, 1929, published April 29, 1930.
- 272,807. Electrical Glow-Indicating Devices for Testing Voltage. L. S. Brach Manufacturing Corp., Newark, N. J. Filed October 8, 1929, published April 29, 1930.
- 272,833. Radio Receiving Sets. L. E. Fite, doing business as Nightingale Radio Manufacturing Co., Memphis, Tenn. Filed December 18, 1929, published April 29, 1930.

Registrations Not Subject to Opposition

- 273,019. Waltham Radio Corporation, Ltd., Los Angeles, Calif. Filed May 7, 1930. Serial No. 300,095 "Waltham" for radio receiving sets and parts thereof. Claims use since about February, 1929.
- 273,024. Zaney-Gill Corporation, Los Angeles, Calif. Filed April 15, 1930. Serial No. 298,920. "Monterey" for radio receiving sets and parts thereof. Claims use since May 5, 1929.
- 273,037. Silver-Marshall, Inc., Chicago, Ill. Filed May 22, 1929. Serial No. 284,499. "Sheridan" in graduated diamond-shaped letters. For Radio Receiving sets, radio transformers, condensers, resistors, coils, and loud-speakers. Claims use since April 10, 1929.
- 273,043. Columbia Phonograph Co., Inc., Bridgeport, Conn. Filed April 11, 1929. Serial No. 282,226. "Theatrephone" for phonographs and talking machines. Claims use since March 15, 1929.
- 273,044. The Sterling Manufacturing Company, Cleveland, Ohio. Filed April 1, 1929. Serial No. 281,707. "Sterling" for radio receiving sets, power units of the light-socket type, audio amplifiers of the vacuum-tube type, and loud-speakers. Claims use since about March 16, 1925.

Design

- 81,606. Escutcheon for Wired Radio Tuner. Arthur M. Trogner, Maplewood, N. J., assignor to Wired Radio, Inc., New York, N. Y. Filed February 14, 1930. Term of patent 14 years.

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# HEINL RADIO BUSINESS LETTER

INSURANCE BUILDING

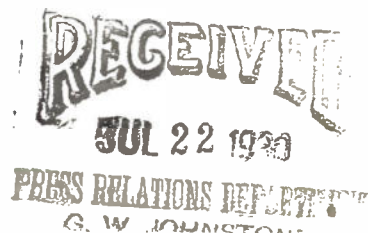
WASHINGTON, D. C.

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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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No. 353

## SYKES HEARS CALIFORNIA FARMERS

Judge Eugene O. Sykes, Vice Chairman of the Federal Radio Commission, heard the pleas and arguments of the California farmers at Los Angeles on July 17 for retention of the radio market service system but continued the hearing until Fall when the case will be heard by the Commission as a whole. The question of whether a State is entitled to exclusive use of these much-sought-after communication channels will then be determined.

Seeking to retain short waves allocated to them two years ago, spokesmen for the California Department of Agriculture and nearly every phase of the farming industry submitted pleas and arguments for the retention of the Federal State service now carried by eight radio stations.

These stations are located in important producing and distributing centers: at San Francisco, Sacramento, Modesto, Fresno, Salinas, Santa Maria, Los Angeles, and Brawley. They are owned by the California Department of Agriculture.

Five short wave channels were awarded to the State by the Radio Commission on May 17, 1928, but short wave channels were not so much in demand at that time.

Through this system, growers and shippers in California and nearby States are given a correct and authentic picture of current market conditions on about 150 commodities. The radio system is coordinated with the United States Department of Agriculture by leased wires from Washington to San Francisco and Sacramento. It is likewise connected with six voice broadcasting stations which give out market news information daily at regular intervals.

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## NAVY SHOWS EFFICIENCY OF RADIO

To demonstrate the efficiency of its radio communication service, the Navy Department has conducted tests to show that messages may be brought from its battleships in European waters by way of the Pacific as easily as over the Atlantic. The former route is 12,441 miles long as compared with 3,637 miles.

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## PROCEDURE RULES PRINTED

General Order No. 93, concerning the new practice and procedure before the Federal Radio Commission, has been printed in pamphlet form and is being distributed by the Commission offices. The order explains in detail the various actions the Commission may take on applications, its revocation proceedings, the manner of holding hearings, the preparation of record on appeal, and the like.

Copies may be obtained from the Commission offices if not already received.

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## RCA ENLARGE PATENT LICENSES

The Radio Corporation of America has offered to its licensees for radio receiving apparatus important enlargements of their licenses, according to an announcement made public by O. S. Schairer, Vice-President in charge of patents.

The new licenses will permit these manufacturers to utilize the superheterodyne principle in radio telephone broadcast receivers, and also other types of receiver circuits with respect to which the Radio Corporation has patent rights. In addition, the enlarged licenses will include rights for radio broadcast television receivers, and apparatus for reproducing pictures and talking pictures for use in homes.

"Although of the opinion that television apparatus has not yet been developed to the state where it is practical for general use in homes," Mr. Schairer stated, "we have decided to extend our licenses at this time to include such apparatus because of its relation to radio telephone broadcast receivers and in order to stimulate the further development of this art. We are also ready to share with our licensees our patent rights pertaining to talking pictures for the home, as well as the super-heterodyne, super-regenerative and other types of radio telephone broadcast receivers.

"By extending to radio manufacturers the results of extensive research and development work, we believe that a healthy stimulus will be given to the further development of the radio art."

Radio manufacturers were offered the new license in letters mailed from New York last Friday, July 18th.

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## HIGH POWER APPLICANTS GROW RAPIDLY

Broadcasters have lost no time in getting their names on the list of applicants for the remaining 50,000 watt openings since the Federal Radio Commission passed the order limiting the number of cleared channels on which maximum power stations would be assigned to twenty.

Within the last several weeks more than a dozen applications for 50,000 watts have been received, records of the Commission reveal. On July 21st there were 20 such formal requests on file.

While the limitation embodied in the recent order is on the channels rather than the stations, it is not likely that the Commission will license more than 20 broadcasting stations to use the maximum power until synchronization is more generally recognized as successful.

As there are nine stations actually operating with 50,000 watts and six more holding such construction permits, only an additional five stations of the score are likely to have their applications granted this Fall.

The 20 stations with maximum power applications pending are as follows: WHAM, Rochester, N. Y.; WOWO, Fort Wayne, Ind.; WSM, Nashville, Tenn.; WSB, Atlanta, Ga.; WRVA, Richmond, Va.; WAPI, Birmingham, Ala.; WCFL, Chicago, Ill.; WHO-WOC, Des Moines and Davenport, Iowa; KWKH, Shreveport, La.; WJ, Detroit, Mich.; KTNT, Muscatine, Iowa; WFBM, Indianapolis, Ind.; KGO, Oakland, Cal.; WMAQ, Chicago, Ill.; WHAS, Louisville, Ky.; WCAU, Philadelphia, Pa.; KVOO, Tulsa, Okla.; WBT, Charlotte, N. C.; KYW, Chicago, Ill.; and WBZ, Springfield, Mass.

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### SAMPLE BAIRD RECEIVER HERE

Showing pictures of the new Baird receivers, the Sunday New York Times (July 20) has a lengthy article about them by T. R. Kennedy, Jr., which reads in part as follows:

"John L. Baird, Scottish television inventor, has sent several new image receivers to New York to compete in the race toward the goal of motion picture broadcasting. He is building a short-wave television station on the English coast with which he hopes to 'look' across the sea.

"Today he is broadcasting images daily over Station 2LO, London, and its associated regional transmitter. A radio-vision drama was tried last week. Station 2LO broadcast the sound part of the program on the 356 meter wave while the regional station broadcast the images on 261 meters. Dramatic critics viewed the performance which was Luigi Pirandello's 'The Man With a Flower in His Mouth.'

"There are 1,000 television receivers now being operated regularly in England, according to Captain O. G. Hutchinson, General Manager of the Baird Television Company, who arrived in New York last week to prepare for transoceanic vision tests.

"Meanwhile Baird, the inventor, hibernating in his isolated laboratory atop Box Hill, twenty miles from London, is 'well along with a new television system which is radically and fundamentally different from the usual television practice', according to Captain Hutchinson."

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#### RADIO ENGINEERS ASKED

The United States Civil Service Commission has announced the following open competitive examinations: Senior Radio Engineer, \$4,600 a year; Radio Engineer, \$3,800 a year; and Assistant Radio Engineer, \$2,600 a year.

Applications must be on file at Washington not later than August 27th. Vacancies are in departmental service and in the field.

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#### DE FOREST GOING TO HOLLYWOOD

Dr. Lee DeForest, President of the Institute of Radio Engineers, inventor of the first three-element vacuum tube, intends moving his entire organization by Jan. 1 to Hollywood, where he will devote all his time to laboratory work on apparatus used in the motion-picture industry, television and ultra short-wave radio.

It was at Palo Alto, Cal., in 1912, that Dr. DeForest first detected that his vacuum tube, or "audion" as it was then called, could be made to oscillate and generate high-frequency currents. It was in 1907 that Dr. DeForest discovered the vacuum tube with "two plates."

Dr. DeForest said that he might reorganize the General Talking Pictures Corporation, the company he plans to move to Hollywood. Besides being Vice-President and Technical Director of that organization, he is Vice-President in Charge of Research of the DeForest Radio Company of Jersey City and holds the same part in the Jenkins Television Corporation of Jersey City, a subsidiary.

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## LAFOUNT TO INSPECT MONITOR STATION

Commissioner Harold A. Lafount has found it advisable to revise his itinerary on his proposed visit of Western radio stations so as to include an inspection of the monitor station at Grand Island, Nebraska, on July 24th.

This station, constructed after plans prepared by the Navy Department, under the direction of the Radio Division of the Department of Commerce, will be put into operation about September 1, 1930, and it will keep in touch with the 20,000 government controlled radio stations throughout the world, advising them almost instantly when they are off their assigned frequency.

Mr. Lafount will make a thorough inspection of the Grand Island Station with a view of learning the necessary steps to be taken by the Radio Commission to get daily reports from it via radio regarding the operation of stations under its jurisdiction.

Preliminary studies by the Commission indicate that it will be feasible to obtain daily reports on frequency deviations from the Grand Island station through the Navy station at the Navy Yard. These reports would be transmitted hurriedly to the Commission which would be in a position to take action against offending stations. Millions of listeners would thus be protected from interference, and better reception would result.

Three types of receivers are being installed at the station, two to cover frequencies from 100 to 20,000 kc., and the third from 10 to 100 kc. They are 200 times more sensitive than ordinary home receivers. The station will be able to keep in touch with all U. S. stations in the world - on land or sea.

It will serve all types of stations, including television, photoradio, trans-oceanic and transcontinental point to point stations, amateur, aircraft radio, and general broadcasting stations.

While at Grand Island, Mr. Lafount will confer with Benjamin Wolfe, the Superintendent who will be virtually the world's police chief of the air. His radio night stick will reach around the world.

Mr. Lafount's revised itinerary follows: Grand Island, Nebr., July 24; Cheyenne, Wyoming, July 25; Laramie, Wyoming; July 26; Salt Lake City, Utah, July 28; Ogden, Utah, July 29; Boise, Idaho, July 31; Twin Falls, Idaho, August 1; Reno, Nevada, August 2; Las Vegas, Nevada, August 6; Prescott, Arizona, August 7; Jerome, Arizona, August 8; Flagstaff, Arizona, August 8; Albuquerque, N. Mex. August 9; Raton, N. Mex., August 10; Trinidad, Colo, August 11; Kansas City, Mo., August 13; and St. Louis, Mo., August 15.

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## TO MERGE RADIO JOURNALS

Radio Digest of Chicago, Radio Broadcast, formerly published by Doubleday, Doran & Co., and Radio Review will be merged, effective with the September, 1930, issue, under the name, Radio Digest, which will be edited as a national magazine, Edward Lyman Bill, Inc., of New York City has announced. The magazines will be united as a result of the formation of the Radio Digest Publishing Corporation which purchased them. Edward Lyman Bill, Inc., through a subsidiary now publishes, Talking Machine World and Radio Music Merchant.

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## STATION WBEN, BUFFALO, OPENS SEPTEMBER 1st

The Buffalo Evening News having won its fight for a frequency in Buffalo, is now making preparation to go on the air over its own station about September 1st.

This will be known as WBEN. The transmitter will be located at Martinsville, a short distance outside of Buffalo, the studios, control rooms and general offices will be located on the 18th floor of the Hotel Statler. The station will broadcast over the 900 kilocycle channel, full time with 1000 watts of power.

A. H. Kirchofer, Managing Editor of the News, is directing organization of the station, which will be operated, eventually as a unit entirely separate from the newspaper. He announced last week that C. Patricola, a Buffalo artist associated with the News, has completed elaborate plans and sketches for the studios. The engineering details are in charge of Paul F. Godley and L. C. F. Horley, radio engineering consultants, in cooperation with Dr. L. Grant Hector, a physicist of note and radio editor of the News. They are reconditioning the physical equipment which was taken over from the Buffalo Broadcasting Corporation, when the latter volunteered to drop its appeal from the decision of the Radio Commission granting the News the 900 kilocycle channel.

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## A NEW BROADCASTER ARRIVES

If what appears to be summer static is heard over WRC, Washington, it may be the first offering of Daniel John Callahan, son of Vincent Callahan, Assistant to Vice-President F. M. Russell of the NBC. Young Callahan was born at Georgetown Hospital Saturday morning.

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## BROADCASTING APPLICATIONS RECEIVED BY RADIO COMMISSION

KVOO, Southern Sales Corp., C. P. to install 50 KW equipment, increase power from 5 KW to 50 KW, and change of time from sharing with WAPI to unlimited time; KGKL, KGKL, Inc., San Antonio, Texas, C. P. to make certain changes in equipment and increase power from 100 w. to 250 w.; WBT, Station WBT, Inc., Charlotte, N.C., C. P. to increase power from 5 KW to 50 KW and to install new 50 KW equipment; WILM, Delaware Broadcasting Co., Inc., Wilmington, Del., C. P. to move transmitter to Edge Moor, Del.; For New Stations: Martin C. Newman, Sturgis, Mich., C. P. to erect new station to use 1310 kc., 100 w. 7 A.M. to 7 P.M. daily or unlimited time; The State Journal Company, Lansing, Mich., C. P. to erect new station to use 880 kc., 100 w., unlimited time; Pace's Radio Service, Vicksburg, Miss., C. P. to erect new station to use 1420 kc., 10 w. daytime (daily except Sundays); Julian L. Roberts, Owner, The Key Broadcasting Co., Sterling, Colo., C. P. to erect new station to use 1220 kc. 150 w. Week days 6 to 11 A.M.; 3:30 to 7 P.M. Sundays 3 to 7 P. M.

July 18 - WBNY, Baruchrome Corporation, New York, N. Y., C. P. for change in equipment; WHOM, New Jersey Broadcasting Corp., Jersey City, N. J., C. P. for change in equipment; WDRG, The Doolittle Radio Corp., New Haven, Conn., modification of license to increase daytime power from 500 watts to 1 KW; WRAW, Hoarced. Good, trading as Avenue Radio and Electric Shop, Reading, Penna., request for authority to voluntarily assign license to the Reading Broadcasting Company; WFBE, Radio Station WFBE, Inc., Cincinnati, Ohio, C. P. to install new 250 watt equipment with automatic frequency control; KTAT, Texas Air Transport Broadcasting Co., Birdville, Texas, request for authority to voluntarily assign license to the S.A.T. Broadcast Company; WKBI, Fred L. Schoenwolf, Chicago, Ill., license to cover c.p. issued 4/28/30 to change equipment and increase power from 50 to 100 watts; WIBA, The Capital Times Co., Township of Madison, Wis., modification of C. P. to change date of required commencement of construction and extend completion date to Nov. 10, 1930, on C. P. issued 5/3/30; WEW, The St. Louis University, St. Louis, Mo., C. P. to make changes in equipment; KFUM, W. D. Corley, Colorado Springs, Colo., C. P. to make changes in equipment.

July 19 - WBNY, Baruchrome Corporation, New York City modification of C. P. to extend completion date from 7/17/30 to 10/31/30; WLVA, Lynchburg Broadcasting Corp., Lynchburg, Va., C. P. to install new equipment and increase power from 100 watts to 250 watts; WJBK, James F. Hopkins, Inc., Highland Park, Mich., license to operate in accordance with C. P. issued 6/9/30, i.e., to move transmitter and studio from Ypsilanti, Mich., to Highland Park, Mich.; WSPA, Virgil V. Evans, trading as The Voice of South Carolina, Spartanburg, S. Carolina, C. P. to install new 1 KW transmitter, change frequency from 1420 kc., to 590 kc., and increase power from 100 w. night, 250 watts day to 1 KW; WTAD, Illinois Stock Medicine Broadcasting Corp., Quincy, Ill., C. P. to install new 500 watt equipment with automatic frequency control; KMBC, Midland Broadcasting Co., Independence, Mo., modification of license to move studio from Kansas City locally; KPWF, Pacific-Western

Broadcasting, Fed. Ltd., near Westminster, Calif., modification of C. P. to extend completion date from 7/13/30 to 13/31/30; WDAE, Tampa Publishing Co., Tampa, Fla., license to operate in accordance with C. P. issued 7/2/30, i.e., to install new transmitter and studio equipment.

### Applications Other Than Broadcasting

KFB, Hood Bay Canning Company, Hood Bay, Terr. of Alaska, license to cover C. P. for 460, 500, 212, 246 kc., 200 watts, LP & PG service; WKDL, Miami, Fla., and WMDU, San Juan, Porto Rico, Pan-American Airways, Inc., modification of aeronautical license for additional frequency of 5540 kc.; KRF, Boeing Air Transport, Inc., Lincoln, Nebraska, KMR, Same Co., North Platte, Nebr., and WQDU, Same Co., Aurora, Ill., assignment of aeronautical license to Aeronautical Radio, Inc.; Radiomarine Corp. of America, San Francisco, Calif., C. P. for new experimental station for 16580, 13270, 12490, 11230, 11050, 153, 151, 8450, 8290, 469, 454, 410, 400, 160, 159, 157 kc., various power.

Also, July 18 - Elgin National Watch Co., Elgin, Ill., C. P., for new station for 500 watts in amateur bands, experimental service; W2XAV, Bell Telephone Laboratories, Ocean Township, N. J., modification of license for 1616 kc., 100 watts for short term experimental service.

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### RADIO FREE PUBLICITY RAPPED

The following is from the Editor and Publisher:

"Newspapers that hand out space like Christmas gifts to radio, baseball and all manner of national advertisers received a kindly but impressive lecture in a recent issue of the Scripps-Canfield Bulletin. The editorial titled 'Hello Sucker,' read in part as follows:

"'Welcome to our little club! See the Sirens! They'll take your money, use your brains and give you a laugh in payment. Come right in Sucker! You give away millions of dollars' worth of space every year to the radio - and when you ask radio for a couple of minutes of time - well, it's a great joke! Try and get it, try and get it. But you keep on boosting radio.

"You hand out acres of paper covered with blurbs for professional wrestlers, ham boxers, maybe-champions, fixed horse races, and the promoters, plaster the billboards with advertising - and grin. You give baseball publicity by the bale, and baseball gets generous - sometimes - and hands you a one-inch ad. But you keep on boosting professional sport.

"You back radio stations and then allow people to use them to tell "the great radio audience" to look in the opposition paper for their big double-truck advertisement that you didn't get because the advertiser shot his money out into the air.

"You print publicity about salted peanuts, mattresses, Irish linens, raisins, Paris fashions and Florida's climate, and if you think you'll get some advertising - look for it in the magazines.

"When the wire carries free advertising about "the brilliant California sunshine", you print it everywhere else. The magazines get the California advertising; California gets the tourists - and you get a laugh."

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# 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. :: ::

RECEIVED

JUL 25 1930

PRESS RELATIONS DEPARTMENT  
G. W. JOHNSTON

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No. 354

## LAWYERS NOT TO OPPOSE COUZENS BILL

The Standing Committee on Communications of the American Bar Association recommends the withdrawal of opposition to the Bill for the creation of a Communications Commission in a report which will be submitted to the American Bar Association at its meeting in Chicago August 20-22.

A copy of the report was filed with the Federal Radio Commission July 21st. Commissioner Harold A. Lafount immediately turned it over to the Legal Division for perusal and report when the Commission reconvenes in the Fall.

Principal recommendations of the Committee, which is headed by Louis G. Caldwell, follow:

1. Withdrawal of objections to the Couzens Bill, but with the provision that such action is not to be construed as implying either approval or disapproval by the Association "of any such bill or of any provision therein contained."
2. Repeal of the Davis Amendment because it is arbitrary, and because strict compliance with it means a "deplorable waste of the very limited total of available broadcasting facilities."
3. Opposition to the Hill "yardstick plan" as a substitute for the Davis Amendment, which provides that facilities be distributed 25 per cent equally among the States and the District of Columbia, 25 per cent according to their respective geographical areas, and 50 per cent according to their representative population.

This plan also calls for a classification of stations under a "unit" system. Its enactment would require "an immediate reallocation of all broadcasting stations, far more drastic than the one effected by the Commission under the Davis Amendment, and will necessarily entail the most devastating hardship which has yet been suffered by this new industry and by the listening public", the report states.

4. Legislation which would eliminate the "defects remaining in Radio Act of 1927, proposing consolidation of the divided functions of the Radio Division of the Department of Commerce and the Commission; repeal of the "zone system" under which Radio Commissioners are appointed from each of the five zones, and correction of procedural provisions having to do with radio litigation.

5. Repeal of Section 17 of the Radio Act of 1927, forbidding the merger of wireless and wire companies in external communication in the light of testimony adduced before the Senate Committee on Interstate Commerce in connection with the proposed fusion of the radio facilities of the Radio Corporation of America entering more than 30 foreign countries, and the radio, cable, telephone and telegraph facilities of the International Telephone and Telegraph Corporation.

Such mergers would "result in a large decrease in overhead, and consequently, would tend to lower rates", by eliminating duplication of plants, equipment, and operating personnel, the Committee states.

6. Elimination of the anti-monopoly provisions, as embodied in Section 13 of the Radio Act of 1927. It provides that any holder of a radio license finally adjudged guilty of violation of any of the anti-trust laws shall forever be ineligible for a radio license.

The Committee believes such a provisions to be an "anachronistic and unsound theory that competition in communications must be maintained at all cost, as distinguished from the theory of government regulations which is generally accepted with respect to other public utilities."

#### Couzen Bill Comment

7. The necessity for ratification by the United States of the Convention on Safety of Life at Sea, and of the International Convention for the Regulation of Aerial Navigation.

With respect to the Couzens Bill, the Committee states that there are a few provisions in it which are believed to be unsound.

"But if it were not for the fatally objectionable substitute for the Davis Amendment, the Committee on Communications would be disposed to regard the radio portion of the Couzens Bill as so marked an improvement over the Radio Act of 1927 as to recommend the enactment of that portion of the bill in replacement of the Radio Act."

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#### SEES BIG RADIO SALES IN 1930-31

That a minimum total of 4,000,000 radio sets will be sold during the 1930-31 radio year is the conclusion drawn by the Radio World's Fair, New York City, upon the completion of a nationwide survey. Incidentally many of the models which are to be manufactured will received their first public presentation at the Radio World's Fair, at Madison Square Garden, Sept. 22 to 27, inclusive.

The outstanding trend disclosed by the survey is a widening of the entire field for making radio entertainment and communication available anywhere in the nation and under all circumstances, even while in motion, be it in automobile, train or airplane.

G. Clayton Irwin, Jr., General Manager, under whose direction the survey was made, says that the minimum total of 4,000,000 sets, which he believes will be marketed in 1930-31, will be composed of the following groups:

AC and DC Receivers	2,250,000
Battery Receivers	1,000,000
Mantle or Portable Receivers	500,000
Automobile Receivers	<u>250,000</u>
Total	4,000,000

Martin F. Flanagan, Executive Secretary of the Radio Manufacturers' Association, has given his attention to a study of employment in set manufacturing plants and reports that by August 1st production will have increased to 65 per cent, and much more within the next 30 days.

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#### STATION KSTP EXPLAINS DEAL REFUSAL

An explanation of why the deal between Station KSTP, operated by the National Battery Broadcasting Company, St. Paul, Minn., and E. A. Beane Co., of Chicago, was not consummated, has been given by Stanley E. Hubbard, Vice-President and General Manager.

Station KSTP bought a crystal control, 100 per cent modulation unit from the Chicago concern but later refused to accept it, and as a result the E. A. Beane Company filed suit for \$6,400 in the Federal Courts of Minneapolis.

"The engineers of KSTP have refused to approve and accept this equipment, stating that it will not deliver 100 per cent modulation, will not give sufficient excitation for the power amplifier tubes, will not maintain a frequency within 50 cycles, and that the crystals do not match", Mr. Hubbard said.

"Further, the equipment does not, in any way, come up to the regular standards adhered to by KSTP since its inception."

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#### MARCONI HAS DAUGHTER

Confirming a reference made at the time of the now famous radio telephone conversation from Italy to New York between Senator and Mrs. Marconi and David Sarnoff, Mrs. Marconi gave birth to her first child, a girl, at Civita Vecchia, Italy, Sunday, July 20th.

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## 31 STATIONS CITED FOR HEARINGS

Thirty-one broadcasting stations will have to explain various offenses at formal hearings before the Federal Radio Commission during the months of September and October or else lose their licenses. In renewing their permits July 23rd, the Commission announced that they were on a temporary basis and that each of the licensees was designated for hearing before the expiration of the license period, October 31st.

No announcement was made by the Commission as to charges against any specific station. These will be set forth when the dates of the hearings are announced.

Ben S. Fisher, Assistant General Counsel, explained that the stations have been cited for various reasons; frequency deviation, the use of more power than permitted by their licenses, operating without licenses, operating without a licensed operator, failure to announce the use of phonograph records, failure to announce call letters and the location of station every fifteen minutes.

Some of the stations were cited, Mr. Fisher said, because the Commission believes they may be operating for private gain rather than in public interest.

Each of the licenses contains the following clause:

"This license is issued on a temporary basis, subject to such action as the Commission may take after hearing on the license's pending application for renewal of license. No authority herein contained shall be construed as a finding by the Federal Radio Commission that the operation of this station is or will be in the public interest beyond the date of expiration of this license."

The stations referred to are: WBRE, Louis G. Baltimore, Wilkes Barre, Pa.; WCLS, WCLS, Inc., Joliet, Ill.; WCOA, City of Pensacola, Pensacola, Florida; WDAE, Tampa Publishing Co., Tampa, Florida; WELL, Enquirer-News Company, Battle Creek, Michigan; WEVD, Debs Memorial Radio Fund, Inc., New York, N. Y.; WGCM, Great Southern Land Company, Gulfport, Mississippi; WHEC, Hickson Electric and Radio Corporation, Rochester, N. Y.; WKBO, Camith Corporation, Jersey City, N. J.; WKBQ, Standard Cahill Company, Inc., New York, N. Y.; WLTH, Voice of Brooklyn, Inc., Brooklyn, N. Y.; WMAC, Clive B. Meredith, Cazenovia, New York; WMAN, The Columbus Broadcasting Company, Columbus, Ohio; WMAY, Kingshighway Presbyterian Church, St. Louis, Missouri.

Also, WMBJ, Rev. John W. Sproul, Wilkinsburg, Pennsylvania; WMBQ, Paul J. Gollhofer, Brooklyn, N. Y.; WODA, Richard E. O'Dea, Paterson, N. J.; WRBI, Chas. A. & Milton U. Kent, d/b as Kent's Furniture & Music Store, Tifton, Georgia; WSMB, Saenger Theatres, Inc and Maison Blanche Co., New Orleans, Louisiana; WWRL, Long Island



Broadcasting Corporation, Woodside, N. Y.; KBPS, Benson Polytechnic School, Portland, Oregon; KFQW, KWQW, Inc., Seattle, Washington; KFUL, Will H. Ford, Galveston, Texas; KGAR, Tucson Motor Service Company, Tucson, Arizona; KGBZ, Dr. George R. Miller, York, Nebr.; KGFG, Faith Tabernacle Association, Inc., Oklahoma City, Okla.; KGMP, Homer F. Bryant, Trading as Bryant Radio & Electric Co., Elk City, Oklahoma; KMPC, R. S. Macmillan, Beverley Hills, Calif.; KTNT, Norman Baker, Muscatine, Iowa; KTRH, Rice Hotel, Houston, Texas; KVOA, Robert M. Riculfi, Tucson, Arizona.

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### PRICES CUT ON CECO TUBES

The CeCo Manufacturing Co. has reduced list prices on four of its most popular types of CeCo radio tubes. The new prices, effective immediately, are: Type 224, \$3.30; 227, \$2.20; 245, \$2.00; and 280, \$1.90.

Edward T. Maharin, Vice-President in charge of sales of the company, states that since the RMA Trade Show in Atlantic City, CeCo has contracted for business sufficient to maintain uniform production up to the Spring of 1931. CeCo sales in 1929, he said, were 300 per cent more than in 1928.

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### ASKS "TRUST" INJUNCTION

Following the announcement of the Radio Corporation of America that it would extend its receiving set patent licenses to include the superheterodyne field, as well as television, Oswald F. Schuette, Executive Secretary of the Radio Protective Association, wrote to Attorney General Mitchell asking that he request the United States District Court at Wilmington, Del., to issue a preliminary injunction against such a move.

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### REVIEW GRANTED IN WHAM CASE

The Court of Appeals of the District of Columbia on July 23rd granted the Federal Radio Commission a review of the decision of the Supreme Court of the District in the case of Station WHAM, Rochester, N. Y. The Supreme Court had enjoined the Commission from changing the assignment of WHAM.

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## SEES COMMISSION ON DOUBTFUL GROUND IN STATION SURVEY

The following comment was made by Robert D. Heinl in the Washington Post:

"There will be something doing if the Federal Radio Commission makes public the results of the classification of radio stations as shown by the survey now being made to ascertain the merits of each station from the standpoint of listeners. One observer expressing skepticism with regard to the survey remarked that the radio supervisors, in endeavoring to appraise a station, would perhaps encounter as many opinions as persons talked with.

"Yet, almost any child on the street in any of the cities, could tell the relative standing of the radio stations. Even in cities like New York and Chicago, it would not be difficult to secure a fairly accurate estimate as to which stations were the most popular.

"Nevertheless, when Uncle Sam attempts to evaluate the stations officially, he will surely be treading upon dangerous ground. It is an undertaking which may very easily bring upon the heads of the Federal Radio Commissioners, the wrath of those stations which fail to make a good showing, especially so since most of the stations sell advertising time, the rate being based upon their local prestige."

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## STATION WICC APPEAL IS DISMISSED

Dismissal of the appeal of Station WICC, at Bridgeport, Conn., from the decision of the Federal Radio Commission made pursuant to an order of the Court of Appeals of the District of Columbia denying it operation on the 600 kilocycle channel, has been ordered by the United States District Court of Connecticut, at Hartford, the Federal Radio Commission was notified July 22nd.

Action was taken on motion of Station WGBS, New York City, which was authorized to use the 600 kilocycle channel by an order of the Court in the District of Columbia.

At the same time the Connecticut Court granted an injunction pendente lite against Station WICC, restraining it from operation on the 600 kilocycle channel during the pendency of the litigation involving Station WGBS, before the Court of Appeals. This action also was taken on motion of Station WGBS.

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: : BUSINESS LETTER BRIEFS : :  
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David Sarnoff, President of the Radio Corporation of America, has left for a summer trip to Europe.

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Station WJZ, operated by the National Broadcasting Company, at New York, on July 23rd, filed an application with the Federal Radio Commission for a permit to replace its present equipment with more modern apparatus. The new transmitter will be a type 50-B RCA with 50 kilowatt capacity but will use only 30 kilowatts.

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Gerald (Jerry) Buckley, announcer for Station WMBC, Detroit, was shot and killed on the night of July 22nd by an unidentified assailant in the lobby of the LaSalle Hotel. He had delivered addresses over the air describing vice conditions in Detroit.

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In a canvass of favorite programs made in Boston, "Amos 'n' Andy" came first, "True Story", second, and Atwater Kent third. Roxy was sixth and Walter Damrosch, seventh.

A first choice was for popular music (dance, jass); good music, second, and classical, third.

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Cancellation of the permit granted Station WTAX, Streator, Ill., to transfer its location to Springfield, Ill., is requested of the Radio Commission in a petition filed by Station WCBS, of Springfield, on July 22nd. The petitioner alleges WTAX is a "stock selling proposition."

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Radio industry leaders will scan the business horizon at a meeting Wednesday, July 30th, at the General Brock Hotel in Niagara Falls, Ontario, this being the mid-summer meeting of the Board of Directors of the Radio Manufacturers' Association.

Summer sales of radio products generally are picking up, according to President Metcalf of the RMA, and the outlook for Fall business is good. A number of manufacturers are going into production on new models of radio receiving sets and other products in preparation for the Fall trade.

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## APPLICATIONS RECEIVED BY FEDERAL RADIO COMMISSION

July 21-KDYL, Intermountain Broadcasting Corp., Salt Lake City, Utah, authority to install automatic frequency control; KMED, Mrs. W. J. Virgin, Sparta Bldg., Medford, Oregon, C. P. to install new equipment, change frequency from 1310 kc., to 1060 kc., increase power from 50 watts to 500 watts, and move studio and transmitter from Sparta Bldg., Medford, Ore., to near Medford, Oregon; KFRC, Don Lee, Inc., San Francisco, Calif., C. P. to install new 50 KW equipment, increase power from 1 KW to 50 KW, and move transmitter to a location to be approved by the Federal Radio Commission (to be determined); KHJ, Don Lee, Inc., Los Angeles, Calif., C. P. to install new 50 KW equipment, increase power from 1 KW to 50 KW and move transmitter to a location to be approved by the Federal Radio Commission (to be determined); WMC, Memphis Commercial Appeal, Inc., 2 miles east of Bartlett, Tenn., C. P. to install new 50 KW equipment, change frequency from 780 kc., to 650 kc., and increase power from 500 w. night, 1 KW day, to 50 KW; Lake Placid Broadcasting Co., Lake Placid, N. Y., C. P. to erect new station to use 1220 kc., 500 watts, daytime hours only.

July 22 - WMRJ, Peter J. Prinz, Jamaica, N. Y., C. P. to move 10 watt transmitter and move studio locally; WBAK, Penna. State Police Commonwealth of Penna. (C. M. Wilhelm, Agent), State Arsenal, Harrisburg, Penna., license to operate in accordance with C. P. issued 1/11/30, i.e., change in equipment and increase power from 500 watts to 500 watts night, 1 KW day; KWCR, Harry F. Paar, Cedar Rapids, Iowa, C. P. to install new 250 watt equipment and increase power from 100 watts to 100 w. night, 250 w. day; Lester J. Berry, Newark, Ohio, C.P. to erect a new station to use 1240 kc., 50 watts, unlimited time.

### Applications Other Than Broadcasting

July 21 - Department of Airport, City of Cleveland, Cleveland, Ohio, new C. P. for experimental aeronautical station, 278 kc., 10 watts; W3XAK, Radio Corporation of America, Portable, Bound Brook, N. J., assignment of visual broadcasting license to National Broadcasting Co., Inc.; W3XL, RCA Communications, Inc., Bound Brook, N.J., assignment of experimental license to National Broadcasting Co., Inc.; W3XAL, R.C.A. Communications, Inc., Bound Brook, N. J., assignment of relay broadcasting license to National Broadcasting Co., Inc.; KTK, Globe Wireless, Ltd., Mussel Rock, Calif., license to cover C.P. for 500, 460 kc., 20 KW, coastal service; WTF, United States-Liberia Radio Corp., Akron, Ohio, C. P. for high frequency equipment on 19780 kc., 750 watts, limited public service; WGA, Globe Wireless, Ltd., Garden City, N. Y., C. P. for new transmitter on 168, 179, 182, 193, 3280, 4238, 5215, 5345, 6995, 7805, 11440, 15850, 19020, 20340, 10 KW, limited public service.



July 22 - W2XAL, Aviation Radio Station, Inc., Coytesville, N.J., extension of completion date to 2/16/30, and renewal of experimental license for 6040, 11800, 15250, 21460 kc., 500 watts; Tropical Radio Telegraph Co., W4XG, Hialeah, Fla., C. P. for additional transmitter on 1604, 2398, 3256, 4795, 4625, 8650, 12850, 17300 kc., 200-350 watts, experimental; Boeing Air Transport, Inc.: KKO, Elko, Nevada, KQD, Salt Lake City, Utah, KQC, Rock Springs, Wyo., KDE, Cheyenne, Wyo., assignment of licenses to Aeronautical Radio, Inc.

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### DECISIONS OF THE FEDERAL RADIO COMMISSION

The Commission granted the following applications on  
July 22:

KVO, Aeronautical Radio, Inc., Swan Island Airport, Portland, Oregon, 278 kc., calling and working frequency, from all ground stations to itinerant aircraft, power not to exceed 10 watts; 3172 and 5660 kc., 400 watts subject to provisions of G. O. 94; KZJ, Same Co., Seattle, Washington, same as for KVO; Also, Same Co., Wichita Falls, Texas, Airport, Tulsa, Okla., and Oklahoma City, Okla., granted in accordance with G. O. 94: 278 kc., calling and working from ground stations to itinerant aircraft, power not to exceed 15 watts, 3070, 3460, 6350, 8015 (day only), 12180 (day only) power 400 watts - to be used only for messages relating to the safety of life and property and not authorized to conduct general public message traffic.

Also, Radiomarine Corp. of America: WCC, Marion, Mass., modification of license to transfer frequency 16740 kc., to WCC, Marion, from Tuckerton to permit more efficient use of assigned frequencies; WSC, Tuckerton, N. J., modification of license to transfer 8350 kc., and 12520 kc., from KPH, Bolinas to WSC, Tuckerton, in order to permit more efficient use of assigned frequencies; KPH, Bolinas, Calif., calling 5525, 11050, 16580 and 22100 kc.; working 6500, 8390, 12550, 12730, 16700, 21940 and 21980 kc., 1 KW and 70 KW; W2XCQ, RCA Communications, Inc., Portable in vicinity of Rocky Point, New York, 1604, 2398, 3256, 4795, 6425, 8650, 12850 and 17300 kc., 100 w. subject to all the restrictions governing general experimental stations.

Also, KWJJ, KWJJ Broadcasting Company, Portland, Oregon, renewal license using day hours and late evening hours not used by other stations on same frequency; KELW, Earl L. White, Los Angeles, Calif., temporary renewal license issued in name of Union Bank and Trust Co., of Los Angeles, Guardian of Estate of Earl L. White; For New Stations: Westinghouse Electric and Manufacturing Co., Springfield, Mass., 1604, 2398, 3256, 4795, 6425, 8650, 12850, 17300 kc., power not to exceed 50 KW subject to all the restrictions governing general experimental stations; City of Akron, Police Department, Akron, Ohio, granted in accordance with the adopted policy: 2458 kc., 100 w. subject to the restrictions of G. O. 85; Boeing Air Transport, Inc., Airplane C-7471, 3106 kc., national calling and working fre-



quency for itinerant aircraft; 3172, 5660, 50 w. power, to be used only for messages relating to the safety of life and property and not authorized to conduct general public message traffic;

Application Set For Hearing

Amateur - William H. F. Loeffler, Methuen, Mass.

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"AMOS 'N' ANDY" REMEMBER "SCOOP, JR."

The promise made by Amos 'n' Andy that Jack Russell, six-weeks-old son of F. M. ("Scoop") Russell, of Washington, Vice-President of the NBC, would shortly be the recipient of a "moustache cup" has been kept. A handsome silver cup engraved "To John Parrish Russell, with the best wishes of "Amos 'n' Andy" is now in the baby's possession.

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ADDITIONAL APPLICATIONS RECEIVED BY COMMISSION

July 23 - WABC-WBOQ, Atlantic Broadcasting Corp., near New York, N. Y., modification of C. P. issued 10/8/30, to extend completion date of construction from 7/31/30 to 10/31/30; WFBR, Baltimore Radio Show, Inc., Baltimore, Md., C. P. to install new equipment and increase power from 250 watts to 500 watts; WMSG, Madison Square Garden Broadcasting Corp., New York, N. Y. C. P. to install new equipment with automatic frequency control; WOAX, WOAX, Inc., Trenton, N. J., C. P. to move studio and transmitter to Northwood Road, Mechansville, N. J.; WELK, Howard R. Miller, Philadelphia, Pa., authority to voluntarily assign license to W.E.L.K. Broadcasting Station, Inc.; WJBW, Chas. C. Carlson, New Orleans, La., C. P. to install new equipment and increase power from 30 watts to 100 w. night, 250 watts day; KTUE, William John Uhalt, Houston, Texas, authority to voluntarily assign license to Harris County Broadcast Company.

Other Than Broadcasting: Western Air Express, Inc.; Fokker Planes #504, 503, 502, Boeing Planes #54, 55, new licenses for aircraft on 3070, 3106, 3460, 6350 kc., 50 watts; RCA Communications, Inc., Kahuku, T. H., new C. P. for 16195 kc., 50 KW, and C. P. for 7535 kc., 50 KW, limited public service; WQDT, Empire Air Transport Co., Municipal Airport, Syracuse, N. Y., license to cover C. P. for 278, 3452 kc., 50 and 15 watts, aeronautical service; W7XC, Globe Wireless, Ltd., Portable, Seattle, Wash., license to cover C. Pp for 1604, 2398, 3256, 4795, 6425, 8650, 12850, 17300 kc., 1 KW, experimental service.

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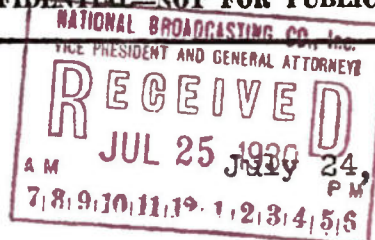
# HEINL RADIO BUSINESS LETTER

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. :: ::

No. 354



1930.

## PATENTS, DESIGNS, AND LABELS

The following patents were granted during the week ending July 22:

- 1,770,905. Alternating-Current Motor. Edward L. Barrett, Chicago, Ill., assignor to Utah Radio Products Co., Chicago, Ill. Filed March 5, 1929.
- 1,771,021. Electron-Tube Relay. Mauritz Vos, Stockholm, Sweden, assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Filed August 7, 1929, and in Sweden October 1, 1928.
- 1,771,052. Horn. Edward B. Mallory, Tenafly, N. J., assignor to Westinghouse Electric & Manufacturing Co. Filed April 29, 1924.
- 1,771,087. Phonograph. Arthur A. Johnson, Bridgeport, Conn., assignor to Dictaphone Corporation, Bridgeport, Conn. Filed September 23, 1926.
- 1,771,094. Socket Receptacle for Radio Tubes. Wilford C. MacFadden, Philadelphia, Pa., assignor to Hugh H. Eby, Philadelphia, Pa. Filed February 21, 1929.
- 1,771,111. Sound Box of Gramophones and Like Sound-Reproducing Machines. Aubrey Lawrence Collins, London, England, assignor, to Limit Engineering Company, Ltd., London, England. Filed January 18, 1929, and in Great Britain February 21, 1928.
- 1,771,127. Telephone Magnet System. Russell T. Kingsford, Wyncote, Pa., assignor to Atwater Kent Manufacturing Co., Philadelphia, Pa. Filed December 16, 1926.
- 1,771,135. Remote Control Plant for Extensive Power-Distributing Systems. Otto Muck, Munich-Grosshadern, Germany. Filed March 1, 1929, and in Germany July 1, 1927.

- 1,771,148. Central Energy Wave Signaling System. Clarence A. Sprague, East Orange, N. J., assignor to Western Electric Company, Inc., New York, N. Y. Filed June 29, 1923, and renewed January 10, 1928.
- 1,771,226. Electrical Condenser. Charles L. Marti, Orange, N. J. Filed March 6, 1926.
- 1,771,266. Radio Loud Speaker. Charles McConnell, New York, N. Y. Filed March 26, 1929.
- 1,771,274. Resynchronizer for Disk Talking Machines. Lonzo B. Smith, Richwood, W. Va. Filed October 10, 1929.
- 1,771,279. Mercury-Arc Rectifier. Frank P. Whitaker, Rugby, England, assignor to General Electric Company. Filed June 17, 1929, and in Great Britain June 20, 1928.
- 1,771,284. Radio Control Device. Joel Berglin, Niederoderwitz, Germany. Filed July 11, 1927, and in Germany July 16, 1926.
- 1,771,318. Sound Reproducer. Vesper Anderson Schlenker, Orange, N. J. Filed February 6, 1928.
- 1,771,323. Attachment for Electric Amplifiers. Bowden Washington, New York, N. Y., assignor of one-half to Robert S. Allyn, New York, N. Y. Filed October 20, 1926.
- 1,771,330. Radio Current Supply Device. William H. Brimditch, Philadelphia, Pa., assignor to Philadelphia Storage Battery Company, Philadelphia, Pa. Original application filed October 30, 1925, divided and this application filed February 3, 1927.
- 1,771,360. Electromagnetic Apparatus for the Transmission of Images. Leon Thurm, Suresnes, France. Filed January 23, 1928, and in France February 5, 1927.
- 1,771,375. Oscillation Generator. Irving F. Byrnes, Schenectady, N. Y., assignor to General Electric Company. Filed August 6, 1926.
- 1,771,376. High-Frequency Signaling System. Irving F. Byrnes, Schenectady, N. Y., assignor to General Electric Co., Filed March 31, 1927.
- 1,771,381. Radio Speaker. Russell T. Kingsford, Wyncote, Pa., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Filed December 16, 1926.

Designs

- 81,658. Radio Cabinet or Similar Article. William Lowy, Bronx, and Joseph Gitlitz, New York, N. Y. Filed April 26, 1930. Term of patent  $3\frac{1}{2}$  years.
- 81,674. Escutcheon for Wired Radio Receiver. Arthur M. Trogner, assignor to Wired Radio, Inc., New York, N. Y. Filed March 29, 1930. Term of patent 14 years.

Label

- 37,738. Title: Dynamotone. For Needles for Reproducing Sound. W. H. Bagshaw Company, Lowell, Mass. January 17, 1930 published.

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# 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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RECEIVED  
JUL 29 1930  
PRESS RELATIONS DEPARTMENT  
G. W. JOHNSTONE

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No. 355



## SHUMAKER SAYS INDUSTRY MUST TAKE LEAD

Not only talking optimism but backing it by adding 20,000 employees to his payroll at Camden, E. E. Shumaker, President of the RCA-Victor Company, declares he does not think there is anything fundamentally wrong with business at present, except loss of confidence.

"Until this confidence is restored, business will stagnate", Mr. Shumaker continues. "Industry must take the lead. The public will not buy unless they have work or reasonable assurance of steady work. Certainly, if industry does not have confidence and does not believe that the depression is at an end, it cannot expect the buying public to have confidence and to start spending money. Radio sets and other products will, therefore, not be bought in normal quantities until an example has been set by industry which will convince them that they will be employed and have steady employment.

"The tremendous and forward-looking plans that we are making in Camden, and the employment of thousands of people are definite proofs of our confidence in the immediate future, which cannot help but have its influence if we let the world know about it."

When the new plant at Camden gets into full swing, it will manufacture 9000 complete radio sets a day.

### Millions Advertising Increase

Another indication of confidence of leaders in business is that there has been an increase in the advertising billings of \$4,000,000 for the first half of the present year of Lord & Thomas and Logan, one of the largest advertising agencies, of which L. Ames Brown, a former Washingtonian, is President. This company, which handles a volume of radio advertising, expects a further substantial increase during the second half.

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### NATIONAL RADIO WEEK PLANS MADE

National Radio Week, September 22-28, 1930, is being sponsored and endorsed by the National Federation of Radio Associations, Radio Wholesalers' Association and the Radio Manufacturers' Association. During this week, radio distributors and retailers will concentrate their advertisements in bringing radio to the attention of the public and making them "radio conscious."

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## INFORMATION SOUGHT RE STATION FINANCES

The financial status of the radio broadcasting industry in the United States, including profits and losses of stations, amounts expended for program entertainment, and all other pertinent fiscal data is being procured by the Federal Radio Commission through financial statement forms sent to the entire roster of more than 600 stations, it was stated July 26th on behalf of the Commission.

The survey is being undertaken for the first time by the Commission and is being made pursuant to the terms of the Radio Act of 1927. It is comparable to the financial statements which the Interstate Commerce Commission require from railroads and other carriers, he pointed out.

The Commission intends to acquire similar statements from other licensed users of the ether, covering communications, experimental visual broadcasting, and general experimental licensees, Commissioner Starbuck declared.

The blank forms have been sent to all broadcasting stations by the Secretary of the Commission, James W. Baldwin, with the request that they be executed and returned not later than Aug. 20.

Heretofore no complete survey of the financial condition of broadcasting stations has been undertaken. The Commission, however, last December transmitted to the Senate an analysis of the financial status of broadcasting, based on incomplete data, which showed that broadcasting, although it is not yet self-sustaining, is steadily nearing that point, and that many stations are realizing profits.

### Data To Be Confidential

"The Commission intends to keep this information confidential, and it will not be open for general public inspection", it was declared.

The Commission's statement, it was explained, is similar to those used by banks and financial institutions in determining the status of corporations. Under the general heading "expenses", questions are enumerated as to the cost of entertainment, salaries of officers and wages, rent and "overhead", interest, insurance, bad debts, depreciation, etc.

Under the head "income", stations are asked to show the amounts derived from sales, sales of time and advertising, investments, and from other sources. Full assets and liabilities must be listed. The general financial questions are those covering gross income for the fiscal year, gross sales for year, inventory end of year, total production, inventory beginning of year, amounts expended for purchases during year, the total cost, and the amount of profit or loss.

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## A-K TO DEMONSTRATE NEW RADIO OVER AIR

The following is, in part, a statement by Thomas R. Shipp, Atwater Kent press representative:

"A unique development in the use of radio as an aid to industry will be given practical demonstration Tuesday evening, August 5, in a special Atwater Kent broadcast, commencing at seven o'clock, E.S.T. and continuing for one hour over a network of fifty stations.

"The occasion is the announcement of the company's new "golden voiced" radio but the novel feature is that practically all of the thousands of Atwater Kent dealers will hear the broadcast simultaneously over the new set, in 87 different distributors' conventions throughout the United States and Canada.

"Instead of consuming six weeks or two months to acquaint retailers with the new product, Mr. Kent, on Tuesday evening, under modern methods, will speak personally to all distributors and dealers at the same time from WEAFF and will also give them an hour's demonstration of the operation of the new radio itself before their own eyes and ears in 87 different cities.

"In order to demonstrate the tone qualities and tone control of the new set - which will be in operation at each convention - Joseph Pasternack, orchestra director, will 'build' an orchestra, one instrument at a time, from violin to viola, to 'cello, to bass viol, to the different wind instruments and finally to the brasses, ending in a complete orchestral ensemble. In similar manner he will build a vocal quartet to demonstrate the tone of vocal music over the new radio."

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## NEW AEROPLANE TRANSMITTER CIRCUIT

Difficulties which have heretofore prevented simultaneous transmission of radiotelephone and visual-type radio-beacon signals on the same carrier frequency may be overcome as a result of recent experiments conducted by the Research Division of the Aeronautics Branch of the Department of Commerce, according to a statement issued by the Branch.

A new transmitting circuit arrangement has been devised which gives promise of embodying the solution of complicated problems to which research work has been devoted during the past five months, according to a lengthy statement issued by the Aeronautics Branch July 26th.

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## BLIND IN NEED OF 600 SETS

The following letter has been received by former Radio Commissioner O. H. Caldwell from M. C. Migel, President of the American Foundation for the Blind at 125 E. 46th Street, New York City, of which Calvin Coolidge is honorary president:

"Our Foundation has, during the past two or three years, distributed several thousand completely equipped radios throughout the country to needy blind people who had not the means to secure same themselves.

"We have on file hundreds of letters, telling of the great boon that this has conferred upon them, and of the inestimable blessing that these radios have brought to their lives, otherwise spent in monotonous darkness.

"Mr. Powel Crosley some time ago was good enough to donate to us one thousand sets for this purpose - Mr. Atwater Kent kindly sold us at a nominal price two hundred and fifty obsolete models, which we also distributed among our needy blind friends throughout the country.

"We now have applications from approximately six hundred more needy blind people, to whom a radio would be a gift from Heaven, but who are unable to procure such sets.

"I am wondering whether you could possibly help us enlist the interest of some manufacturer or manufacturers who might have a quantity of obsolete models that they would be willing to let us have for this purpose - or possibly sell us at a nominal price; they need not be an expensive type, in fact the cheapest kind would do, so long as they are efficient.

"Mr. William Ziegler, Jr., and I personally will donate most of the money to cover the above expense, if the radios are not available as a gift."

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CARL NEW WTMJ DIRECTOR

The Milwaukee Journal has announced the appointment of Walter R. Carl, formerly Wisconsin field secretary for the United States Chamber of Commerce, as Manager of the Journal's radio station, WTMJ.

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## ENGLISH MAJESTIC COMPANY ORGANIZED

B. J. Grigsby, Chairman of the Boards of the Grigsby-Grunow Company and Majestic Household Utilities Corporation, who is now in London, has cabled his home office at Chicago announcing the organization of the Majestic Electric Company, Ltd., of London, England. The cablegram in part is as follows:

"This Company is entirely British and will act as agents for the distribution of Majestic Radio Receiving Sets and Majestic Electric Refrigerators in Great Britain and the principal countries of Europe. Guy Campbell is Chairman of the Board of Directors, and the Directors are: W. J. Robinson, J. M. Richard and J. Stinton Jones.

"Factories and warehouses have been established in Tottenham, London, and arrangements are being completed for the appointment of distributors and dealers throughout the territory named. Warehouse stocks will be carried both in London and the free port of Antwerp. Already special displays of Majestic sets have been made by the principal stores in London, such as Selfridge's Harrod's and Gamages, and have created a very wide and favorable attention.

"Refrigeration has only in the past two years received attention in this territory and is rapidly becoming of great public interest because of recent legislation against the use of preservatives in foods."

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## RADIO "NUISANCES" BEYOND COMMISSION'S CONTROL

State and municipal activities to curb "man-made" interferences with radio reception, and to eliminate objectionable noises embracing the operation of loud speakers to the extent that they become public nuisances, are being studied closely by the Federal Radio Commission, although these activities are outside of Federal jurisdiction, it was stated July 25th by the Acting General Counsel of the Commission, Ben S. Fisher.

As to anti-nuisance regulations, such as those for the control of loud-speaker operation, Mr. Fisher expressed the view that States and municipalities have the right to exercise such control. Cities can enact ordinances to regulate the operation of loud speakers under the general statutes abating public nuisances, said Mr. Fisher, or under the equity provisions of law when it is shown that a community is being disturbed by such operations.

The Acting General Counsel pointed out that "radio rows" in many cities have been eliminated by local ordinances. "Radio rows" are streets on which numerous competing radio dealers operate loud speakers so that they can be heard by passers-by and thus



attract attention. These have been stopped by ordinances on the ground that such operations tend to block public highways by causing the congregation of pedestrians, and also on the ground that they are public nuisances.

### Auto Radio Sets Raise New Question

Use of radio receiving sets in automobiles has been a provocative issue, Mr. Fisher declared. It has never been tested in the courts. The question involved, he explained, is whether the police powers of a State can supersede the Federal Interstate Commerce powers. To prevent the use of radio receiving sets whether in the home or in the automobile, he explained, is to eliminate one of the necessary links in broadcasting contact. In other words, he said, if all radio receiving sets were outlawed, but transmitting stations were permitted to operate, there would be no reason for radio at all, since the vital receiving end of the circuit would be lacking.

The two primary reasons advanced by municipalities for the restriction of automobile-radio, said Mr. Fisher, are, first, the general nuisance and noise characteristics. Secondly, it is argued, that they interfere with traffic safety in that they distract the attention of drivers in passing automobiles and of pedestrians.

There are numerous controversies involving automobile radio, the Acting General Counsel declared. The Federal law might be circumvented, he declared, if municipalities, rather than prohibit outright the use of radio in automobiles, limit the volume of the loud-speakers, or by issuing drivers' licenses on the condition that no receiving set be installed in the car. Also, he declared, they might prohibit the operation of the set while the automobile is in motion.

### New York Notes Noise Decrease

A marked decrease in radio music in the streets was noted in New York City in first-day reports received by the Noise Abatement Commission from the 110 members of its vigilance squad of volunteers sent out to listen for violations of the City Ordinance forbidding loud-speakers on the streets or in doorways or windows opening onto the sidewalk.

Edward F. Brown, Director of the Noise Abatement Commission, estimated that more than 85 per cent of the radio stores now obey the ordinance, and expressed confidence that the week's drive would bring the figure to 100 per cent.

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: BUSINESS LETTER BRIEFS :  
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The Federal Radio Commission asks dismissal of the bill of complaint against the five members of the Commission in a motion filed July 24th in the United States District Court at Chicago in answer to the suit of Station WLS, of Chicago, operated by the Agricultural Broadcasting Company. The motion contends that the Commissioners are not residents of the district in which the Court exercises jurisdiction.

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A new 50-kilowatt radio broadcasting station for Havana, Cuba, to cost approximately \$250,000, is proposed by important Cuban telephone interests in conjunction with a large American broadcasting company and the Cuba Tourist Commission, according to a report to the Department of Commerce. The promoters believe it would serve as a radio link between the United States and South America.

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The American Bosch Magneto Corporation reports for the three months ended on June 30, net profit of \$135,559, after charges and depreciation, equivalent to earnings of 64 cents a share on the outstanding stock. This compares with net profit of \$150,169 or 72 cents a share a year ago. For the six months ended on June 30. This compares with net profit of \$940,833, or 98 cents a share in the first three months of 1929.

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Construction of a new radio broadcasting station on Lulu Island near Vancouver, British Columbia, will commence very shortly, according to the Director of Radio, Department of Marine, Ottawa, the Department of Commerce is informed by Commercial Attache Lynn W. Meekins, Ottawa, Canada. This station will have a range of between 5,000 and 8,000 miles and will be in direct communication with all parts of the Pacific, the report states.

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Chairman C. McK. Saltzman of the Federal Radio Commission who has been away in Northern New York on a vacation, is scheduled to return August 1 though this date is not definite.

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Authority to begin operating a police radio system was asked of the Federal Radio Commission by the authorities of Minneapolis. The city had been authorized to install a short-wave service and notified the Commission that it is prepared to begin operation on the 2,416-kilocycle channel with 250 watts.

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While thousands were paying tribute at the funeral of Jerry Buckley, Detroit radio announcer shot dead last Wednesday by gangsters in Detroit, a self-confessed bootlegger, Frank Chock, signer of an affidavit produced by Police Commissioner Thomas C. Wilcox, in which Buckley was accused of "shaking down" Chock for \$4,000, made a firm denial of the truth of the statement.

In it Chock asserted that he did not know the contents of the affidavit he signed for Mr. Wilcox, and added that, to his knowledge, Buckley never was engaged in any racketeering and never had any connection with the underworld.

The greatest throng that ever gathered in Detroit to attend the funeral of a private citizen filled the streets in the vicinity of St. Gregory's Church while mass was being said for Buckley.

It was estimated that 100,000 persons looked upon the face of Buckley as his body lay in state at the home until after dawn on the day of the funeral.

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The Police Department of Lansing, Mich., operating a radio service, petitioned the Commission recently for modification of a permit to change its equipment and extend the completion date until December 1st.

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#### APPLICATIONS RECEIVED BY FEDERAL RADIO COMMISSION

July 24 - WBT, Station WBT, Inc., Charlotte, N. C., authority to install new automatic frequency control; KOH, Jay Peters, Inc., modification of C. P. to make certain changes in the proposed transmitter equipment; George William Sullivan, Hardin, Mont., C. P. to erect a new broadcasting station to use 600 kc., 10 watts, on Saturdays and Sundays.

July 25 - WMMN, Holt-Howe Novelty Co., Fairmont, W. Va., C. P. to install new 1 kilowatt equipment; KTUE, Harris County Broadcast Co., Houston, Texas, C. P. to move transmitter and studio locally, also install new 250 watt equipment; WPTF, Durham Life Insurance Co., Raleigh, N. C., C. P. to move transmitter to a location near Cary Township, N. C., install new 5 KW equipment, and increase power from 1 KW to 5 KW; WOBT, A. F. Tittsworth, trading as Tittsworth Radio & Music Shop, Union City, Tenn., license to operate in accordance with C. P. issued 6/13/30, i. e., move transmitter locally and install new equipment; WTAX, Williams Hardware Co., Springfield, Ill., authority to voluntarily assign C. P. to WTAX, Inc.; KFUM, W. D. Corley, Colorado Springs, Colo., license to operate in accordance with C. P. issued 4/28/30 for installation of new equipment.

July 26, 1930 - WNBF, Howitt-Wood Radio Co., Inc., near Binghamton, N. Y., C. P. to install new equipment and increase power from 100 watts to 100 watts night and 250 watts day; KTSL, C. A. Houseman, Shreveport, La., modification of license to change location of main studio locally.

### Applications Other Than Broadcasting

July 23 (continued from last issue) - WCV, Michigan Wireless Telegraph Co., Wyandotte, Mich., and WNO, Same Co., Alpena, Mich., C. P. for additional equipment on 143, 410, 163, 425, 454 kc. 500 watts and 750 watts respectively, coastal service; American Telephone and Telegraph Co., near Sacramento, Calif., new C. P. for 6755, 9170, 9870, 14590, 19820, 21060 or other suitable frequencies 20 KW, limited public service.

July 24 - W6XH, Herbert Hoover, Jr., Portable, 6th Dist., renewal of experimental license for 1604, 2398, 3256, 4795, 6245, 8650, 12850, 17300 kc., 1 KW; W3XAC, WTAR Radio Corporation, Portable, Princess Anne County, Va., license to cover C. P. for 780 kc., 250 watts, experimental service; WSL, Mackay Radio & Telegraph Co., Inc., Sayville, L. I., modification of coastal license for an additional frequency of 13030 kc.

July 25 - Radio Corporation of America, Ohio Company, Airplane NC-7120, license for Aircraft on 3106, 5660 kc., 10-100 watts; Same Co., near Cincinnati, Ohio, C. P. for new coastal station 5525 kc., one frequency in 2500 to 3000 kc., band. One frequency in 3750 to 4300 band, 4775, 8570 kc.; specifically - 8570, 5525, 4775, 4188, 3112 & 2320 kc., 350 watts; KHFAZ, Pan American Airways, Inc., Airplane NC-9137, renewal of aircraft license for 333, 414, 500, 2662, 3070, 3106, 5690, 8015 kc., 12 watts; WPDL, City of Lansing, Michigan, City Hall, Lansing, Mich., modification of C. P. for change in equipment 2440 kc., 50 watts, and extension of completion date to 12/1/30; KGPB, City of Minneapolis, Police Department, Minneapolis, Minn., license to cover C.P. for 2416 kc., 400 watts (adjusted to 250 watts at present); Elmer F. Koehler, Airplane NR 783-M, new license for aircraft on 3500 kc., 10 watts; KTK, Globe Wireless, Ltd., Mussel Rock, Calif., C. P. for new transmitter for 5525, 11050, 16580, 22100, 4116, 6515, 8630, 11020, 16900, 22160 kc., 500 watts, coastal service.

July 26 - W3XM, Durham & Co., Inc., Philadelphia, Pa., modification of C. P. for extension of completion date to 11/15/30; WSY, The Susquehanna Power Co., Darlington, Md., modification of C. P. for extension of completion date to 11/1/30; WJV, Philadelphia Electric Co., Philadelphia, Pa., modification of C. P. for extension of completion date to 11-1/30.

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DECISIONS OF THE FEDERAL RADIO COMMISSION

The following applications were granted on July 25:

WCM, Radiomarine Corp. of America, Chatham, Mass., modification of license giving Station WCM the frequencies assigned to WCC in addition to those already assigned to WCM, now authorized to use 111, 117, 125, 129, 137, 141, 500, 406 kc., 750 w.; G. E. Maddox, KJJ, Mary Island, Alaska, C. P. for coastal service 500 kc., working 460 kc., public point-to-point 274 kc., for communication with WXH Ketchikan, 50 w., A1 emission; WNN, Tropical Radio Telegraph Co., Mobile, Alabama, renewal of license on frequencies 6785, 10470 and 12970 kc., 200 w. power, A1 emission, to communicate with Panama, Colombia, Costa Rica, Nicaragua, Honduras, Guatemala, Salvador and other stations of the Tropical Radio Telegraph Company licensed by the FRC; WAX, Tropical Radio Telegraph Co., Hialeah, Fla., renewal of license for frequencies 55, 77, 80.5, 6770, 10450 and 12940, 1 transmitter 200 w., 1 transmitter 1200 w., 1 transmitter 5 kw., 1 transmitter 5 kw; 1 transmitter 20 kw; A1 and A2 emission; to communicate with Bahama Islands, Colombia, Costa Rica, Cuba, Guatemala, Honduras, Nicaragua, Panama, Porto Rico, Salvador and other Tropical Radio Telegraph Company stations licensed by the FRC.

Also, WPDJ, Director of Public Safety, City of Passaic, Passaic, N. J., license to cover C. P. for use of frequency 2416 kc., 50 w., subject to General Order 85, unlimited time; KDD, Copper River Packing Company, Nellie Juan, Alaska, license to cover C. P. general public coastal service calling 500 kc., working 460 kc.; general public point-to-point, 178 kc. for calling and working the following stations: WXR, Seward, Alaska, and WTU, Cordova, Alaska, 200 w., A1 and A2 emission; KFB, Hood Bay Canning Company, Hood Bay, T. of Alaska, license to cover C. P. coastal service 500 kc., calling 460 kc., working; public point-to-point 246 kc., calling and working WXA, Juneau, 212 kc., calling and working other commercial stations in vicinity; KNK, Mackay Radio & Telegraph Co., Palo Alto, Calif., modification of license to include 3 additional high frequencies 5 kx to communicate with China, Japan, Australia, Dutch East Indies, Hawaiian Islands, Guam, Manila and other stations with which other Mackay Radio and Telegraph Co. stations are licensed to communicate by the FRC; assignments made on condition no interference will result to the service of a foreign country.

Also, WDZ, James L. Bush, Tuscola, Ill., license to cover C. P. 1070 kc., 100 w., daytime hours; WCLO, WCLO Radio Corporation, Janesville, Wis., modification of C. P. to move transmitter from Pleasant St. Road near Janesville to Milwaukee Ave., Road near Janesville; WBAK, Commonwealth of Pa., Pa. State Police, Harrisburg, Pa.; modification of C. P. to change tubes in the power amplifier of transmitter from 2 U.V. 860 to 4 U.V. 204-A and extend completion date to July 15, 1930; also, license to cover C. P. 1430 kc., 1 kw day and 500 w. night, shares with WHP and WCAH; W2XAL, Aviation Radio Station, Inc., Coytesville, N. J., modification of C. P. extension of completion date to 2/16/31 from 8/16/30; also, renewal of license 6040, 11800, 15250, 21460 kc., 500 watts (existing license 9700 kc., but frequencies applied for have been authorized by a C.P.)



Also, WHBL, Press Publishing Co. and C. L. Carroll, Sheboygan, Wis., consent to voluntary assignment of license to Press Publishing Co.; WPCC, North Shore Church, Chicago, Ill., renewal of license application specifies certain changes in transmitting equipment over that specified in previous application for renewal. No authority was given to make these changes; transmitter as described meets with requirements of Commission and should render satisfactory service; KRGV, Valley Radio Electric Corp., Harlingen, Texas, consent to voluntary assignment of license to KRGV, Inc.; WDSU, Joseph H. Uhalt, New Orleans, La., C. P. to move transmitter from New Orleans to Gretna, La., and install new W. E. 6-B (1 W max. power) equipment (station is licensed to use 1 kW); WHDL, George Franklin Bissell, Tupper Lake, N. Y., consent to voluntary assignment of license to Tupper Lake Broadcasting Co., Inc.; KGY, St. Martin's College, Lacey, Wash., renewal of license; the equipment described in application for renewal should be rated at 15 w., maximum power; the application states the maximum power is 15 w., however; the station is licensed to operate with night power of 10 w. and day also; WRDW, Warren C. Davenport, Musicove, Inc., Augusta, Ga., license to cover C. P. 1500 kc, 100 w. unlimited time.

Also, KXO, E. R. Irely & F. M. Bowles, El Centro, Calif., license to cover C. P. 1200 kc., 100 w., unlimited time; WALR, Roy W. Waller, Zanesville, Ohio, license to cover C. P. 1210 kc., 100 w, unlimited time; KHIMN, John Henry Mears, Airplane City of New York, extension of existing license to make round the world flight approved for 30 days, to use frequency 8650 kc., 50 watts; also, 38 ship licenses granted.

#### Set For Hearing

WLOXN, Radio Corporation of America, Ohio Co., modification of license to substitute 3106 kc., for 4180 kc.

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# 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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No. 356

## RADIO COMMISSION SEEKING ENGINEERS

Several additional engineers are to be added to the staff of the Engineering Division of the Federal Radio Commission, as a part of the expansion of the activities of the Commission, according to Dr. C. B. Jolliffe, Chief Engineer.

The Civil Service Commission is advertising these vacancies at the request of the Commission. The applications may be filed up to and including August 27th.

In addition to filling the present vacancies, the Commission is seeking to build up a list from which it may draw to meet future demands. The Division has shown constant growth. The positions now vacant are for a Senior Radio Engineer at a salary of \$4,600 per annum, Radio Engineer at \$3,800, and Assistant Radio Engineer at \$2,600.

A tour of communication stations operating in the Great Lakes area will be made next month by E. K. Jett, Acting Chief of the Commercial Communications Section of the Radio Commission's Engineering Division. He will visit radio code stations and police radio systems in sixteen cities.

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## A. T. & T. ACQUIRES NEW LABORATORY SITE

The American Telephone and Telegraph Company has just purchased a tract of nearly 200 acres near Elizabeth, N. J., according to the New York Times, where it will construct a laboratory to relieve the pressure for space now felt by its Bell Telephone Laboratories, Inc., 463 West Street, New York City.

When Walter S. Gifford, President of the A. T. & T. Co. was asked whether the purchase of the site was for a television plant, he said:

"No, it is not as important as that. For some time we have been negotiating for a site for a laboratory to relieve our laboratories on West Street, which are crowded. There are certain experiments which can be conducted just as well in New Jersey as in New York, but we will continue to conduct our more important researches on West Street."

The tract is in the hills west of Elizabeth. It fronts on Mountain Avenue, and is on top of the second range of Watchung Mountains.

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## RADIO QUESTIONNAIRE GOES TO 44,000 DEALERS

According to Marshall T. Jones, Electrical Equipment Division, Department of Commerce, the radio questionnaire which is regularly sent out by that division in cooperation with the National Electrical Manufacturers' Association, now goes to something like 44,000 dealers and 1500 wholesalers.

On October 1, 1927, when the survey was started, the questionnaire went to 32,000 dealers and 900 wholesalers.

According to Mr. Jones, a special mailing list has been built up through inquiries received, to receive the results of this tabulation, and there are now many hundreds on this list, which include not only manufacturers but advertising agencies, newspapers, wholesalers, dealers, investment houses and many individuals.

The original idea of the questionnaire was to obtain information with regard to radio stock on hand periodically.

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## WILE, JR., SECRETARY TO AMBASSADOR GARRETT

Frederic William Wile, Jr., of Washington, son of the well known broadcaster and newspaper correspondent, has been appointed private secretary to John W. Garrett, the American Ambassador to Italy.

Mr. Wile, who was an honor man in the 1930 Princeton class, began what he thought was to be a radio career by joining the Columbia Broadcasting System. It was the original intention to send him to the Chicago office but he was retained in New York and has served there during the past month.

Mr. Wile is a young man of great promise and leaves with the best wishes of Columbia. He sails for Italy Friday, August 1st, on the "Vulcania."

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## SOCIALIST CHARGES DISCRIMINATION

In a letter to Mayor Walker, Norman Thomas, former candidate for President on the Socialist ticket, alleged that he had written to Stations WNYC, WJZ, and WOR for an opportunity to reply to the Mayor's speech, defending his (the Mayor's) administration, but had received no answer from WNYC and WJZ, while WOR had given him half an hour of time.

Mr. Thomas seemed to resent particularly not being allowed to use WNYC and wrote:

"WNYC is a municipal station paid for by municipal funds. If it is to be open at all to controversial city issues - and I think such use of the station may be made genuinely educational-- it should be opened on equitable terms to all responsible parties and groups. Certainly, the Socialist party comes under this head. On no reasonable theory of fair play or political education can Station WNYC be open to you for the kind of speech that you made and offered by you to General Harbord but denied to me. What has happened to your vaunted sportsmanship?"

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#### COURT ABSOLVES KOLSTER OFFICIALS

Rudolph Spreckels, Chairman of the Board of Directors of the Kolster Radio Corporation, and other officers and directors of the company, were absolved of legal blame in the sale of Kolster stock at net profits totaling about \$12,000,000 by the report of John A. Bernhard, Special Master of Chancery, made public in Newark. Mr. Bernhard said that in selling their stock at considerable profit, they had violated no legal obligation to the stockholders. He commented:

"The question is, were Mr. Spreckels and his associates under a moral or legal duty to disclose to the stockholders the disposition of their shares? I leave the situation as I find it because I have concluded that the officers were under no legal obligation to inform stockholders of their private transactions."

The Master also found that the sale of large blocks of stock by officers of the company did not cause its insolvency. This was caused by a general depression in the radio industry and by inability to raise funds, he said.

The charge that the market was "rigged" was not substantiated, the report found, but added:

"Spreckels, Rypinski and Dietrich were participants in a syndicate operated by George F. Breen. They supplied the stock; Breen doled it out to the public."

Without drawing conclusion on the subject, the report declares that Ellery W. Stone, President of the company, must have known early in 1929 that the company was sustaining serious losses, and that hundreds of thousands of shares in Kolster had been sold by Messrs. Spreckels, Rypinski, Dietrich and himself.



Reorganization Plan Submitted

Filing of the report coincided with the submission to Vice Chancellor Church of a plan by S. P. Woodard & Co., Inc., of New York to reorganize the Kolster Company. The court directed interested parties to show cause on September 16th why the offer should not be accepted.

The plan contemplates putting \$4,050,000 into the reorganized company and is made contingent on reaching by September 23rd a satisfactory method of discharging Kolster obligations totaling \$1,359,536.14 by Messrs. Spreckels and Dietrich, and \$1,098,541.53 by the National City Bank, guaranteed by Messrs. Spreckels and Dietrich. It is proposed to do this by means of stock transactions.

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R.M.A. SEEKS TO RESTRAIN SOUTH CAROLINA SET TAX

Three law suits opposing the new South Carolina tax on radio receiving sets have been filed in the Charleston Federal District Court at the instance of the Radio Manufacturers' Association.

The South Carolina radio tax law is the first imposed by any State. The South Carolina law would levy a graduated tax of from fifty cents on radio receiving sets valued up to \$50 to \$2.50 on sets valued more than \$500.

That the entire communication of radio programs, from the broadcaster to the owner of a radio receiving set, is interstate commerce subject only to Congressional regulation and not to State or local taxation is contended in the test cases.

Station WBT, of Charlotte, N. C., an individual owner of a receiving set; Hugh A. Ray; and a radio distributor, The Louis D. Rubin Electrical Company of Charleston, are the plaintiffs in the test law suits. The defendants are the State and local tax officials.

An injunction restraining the collection of the radio tax from the 50,000 owners of receiving sets in South Carolina is asked.

John W. Van Allen, of Buffalo, General Counsel for the Radio Manufacturers' Association, is in charge of the test litigation.

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: BUSINESS LETTER BRIEFS :  
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Direct radio service with China, under joint American-Chinese ownership, will be opened within the next few months, according to a report from Shanghai received by the Department of Commerce.

The transmitting station at Chengju, seven miles from Shanghai, is expected to begin operation in the Fall and will inaugurate a direct service between Changhai and San Francisco.

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Eighty-five per cent of the total exhibition space in the Radio World's Fair, Madison Square Garden, Sept. 22-27, has been contracted for.

The National Association of Radio Associations intends to tie in with the Radio World's Fair through the establishment of National Radio Demonstration Week. Cooperating with the Association are dealer and distributor groups in many cities from coast to coast.

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The Chicago Radio Show, which follows the Radio World's Fair, on October 20-26, is reported to be 84 per cent sold by G. Clayton Irwin, Jr., General Manager of both expositions.

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Commissioner Harold A. Lafount recently spent a day inspecting the central monitoring station at Grand Island, Nebraska.

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The new three-year "Amos 'n' Andy" contract is described by Variety as follows:

"Both parties agreed to use no lawyers. Instead NBC told Amos 'n' Andy to state just what they wanted, which was written into the agreement, with both sides dropping entirely the business element.

"Agreement calls for a raise every six months, with the team promising not to plug any other commodity than the toothpaste they are now advertising. Actual amount of each raise is not known but \$50,000 is named as the probable first raise. This sum was handed the boys at NBC at the expiration of their old contract simply as a friendly gesture."

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Gen. C. McK. Saltzman, looking very rested, has returned to his desk at the Federal Radio Commission, after a visit to his camp on Lake George. He was very much interested in inspecting the Commission's new offices in the National Press Building.

Judge Robinson has returned to Washington from his home in Grafton, W. Va., for a few days.

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The Federal Radio Commission has authorized synchronization tests during the early morning hours between Stations WABC, New York, and WHK, Cleveland. The tests are planned to further test the feasibility of two high-powered stations using the same channel at the same time. WABC's assignment of 860 kilocycles will be used.

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Proof of the effectiveness of the modern high frequency apparatus on our gunboats in Chinese rivers, was that the Midshipmen' Practice Squadron, en route from Kiel, Germany, to northern waters, communicated with ease with the U.S.S. Luzon, a gunboat in the Upper Yangtze River.

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Broadcasters should approach Ben S. Fisher, Acting General Counsel of the Federal Radio Commission, with fear. Mr. Fisher was formerly District Attorney at Coos Bay, Ore., and in that capacity hanged three men for murder.

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Station WRC, Washington, celebrates its seventh anniversary tomorrow night, August 1st. Among those who spoke during the opening program was David Sarnoff, now President of the Radio Corporation of America. The Marine Band also took part in the opening exercises.

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Station WJZ has asked the Radio Commission for permission to install new 50 KW equipment.

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APPLICATIONS RECEIVED BY FEDERAL RADIO COMMISSION

July 28 - WEAF, National Broadcasting Co., Inc., Bellmore, N. Y., modification of C. P. to extend the required date of completion of construction from 8/27/30 to 11/27/30; WJZ, Radio Corporation of America, Bound Brook, N. J., C. P. to install new 50 KW equipment; WMAZ, Macon Junior Chamber of Commerce, Mercer University, Macon, Ga., modification of license to change frequency from 890 kc., to 1130 kc., increase power from 250 w. night 500 w. day to 500 watts day and night and change hours of operation from sharing with WGST to unlimited time; KGFI, Eagle Broadcasting Co., Inc., Corpus Christi, Texas, modification of C. P. to extend the required date of completion of construction from 7/17/30 to 8/17/30; KFPW, John Brown Schools, Ft. Smith, Ark., license to operate in accordance with C.P. issued 6/25/30, i. e., to move station from Siloam Springs, Ark.

Also, WIS, George T. Barnes, Inc., Columbia, S. C., modification of license to increase power from 500 w. night, 1 KW day to 1 KW day and night; KMOX-KFQA, The Voice of St. Louis, Inc., St. Louis, Mo., license to operate in accordance with C. P. issued 6/29/29 (and modified) i. e., to move transmitter from Kirkwood, Mo., install new equipment and increase power from 5 KW to 50 KW; WORD, People's Pulpit Association, Batavia, Ill., modification of license to move studio from Batavia to Deerfield, Ill.; WISJ, modification of C. P. to extend the required date of completion of construction from 8/1/30 to 10/1/30; KFBB, Buttrey Broadcast, Inc., Great Falls, Mont., modification of license to move studio locally.

Also, for New Stations: Shermon D. Bracken, Portales, N. Mex., C. P. to erect a new station to use 960 kc., 10 watts, three hours day, 1 Hr. night; J. W. Dalton, Lubbock, Texas, C. P. to erect a new station to use 1210 kc., 15 watts, Sundays 2 to 4 P.M., week days 7 to 9 A. M. and 12 M. to 1:30 P.M. and would like 2½ hrs. at night if possible; Montgomery Broadcasting Co., Inc., Montgomery, Ala., C. P. to erect a new station to use 1370 kc., 100 watts, unlimited time.

July 29 - WQAM, Miami Broadcasting Company, Miami, Fla., C. P. to move main studio locally, change equipment, and increase power from 1 KW to 2½ KW day and 1 KW night on 560 kc., unlimited; KOL, Seattle Broadcasting Co., Seattle, Wash., modification of license to move main studio locally; KDYL, Intermountain Broadcasting Corp., Salt Lake City, Utah, C. P. to install new equipment.

July 30 - WELL, Enquirer-News Company, Battle Creek, Michigan, license to cover C. P. issued for change in location of studio and transmitter locally. Station to continue operating on 50 W. 1420 kc., and unlimited hours; KRMD, Robert M. Dean, Shreveport, La., C. P. to move transmitter and studio locally; KFOR, Howard A. Shuman, Lincoln, Nebr., C. P. to move transmitter and studio locally; Corner Drug Store, Inc., Carlsbad, New Mexico, C. P. to erect a new station to use 1420 kc., 25 watts and daytime hours.

Applications Other Than Broadcasting

July 28 - Pan American Airways, Inc., North Beach, N. Y., new C. P. for 5570, 8015, 17300 kc., 300 watts, aeronautical service; Don Lee, Inc., Los Angeles, Calif., new C. P. for amateur bands for the transmission of standard frequencies sponsored by the American Radio Relay League only, 500 watts; Stromberg-Carlson Telephone Mfg. Co., aboard Cruiser "PHYLLIS II", license to cover rebroadcasting from Cruiser "PHYLLIS II" for 6425, 3256 kc., 7.5 watts, experimental; WJA, Press Wireless, Inc., Chicago, Ill., modification of license for change in frequencies to 7340, 15730, 7850, 15700, 7820, 15640, 7370, 15610, 7640, 15880, 7925, 15850, 7325, 15580, 7835, 15670, 5325, 5335, 5345, 5355, 4715, 4745, 4945, 4965, 4975, 4985, 4995, 5295, 4925, 4955, 5315, 5305, 4725, 5285, 4735, 4935 kc.; WPDD, Chicago Police Department, also WPDB, Same, modification of C. P. for extension of completion date to 3/1/31.

July 29 - WGDW, New York Airways, Inc., Atlantic City, N. J., modification of license for an additional frequency of 5570 kc.; W2XA, American Telephone & Telegraph Co., Rocky Point, N. Y., renewal of experimental license for 45 to 75 kc., 190 KW; W2XDC, RCA Communications, Inc., Portable in vicinity of Riverhead, N. Y., license to cover C. P. for 1604, 2398, 3256, 4795, 6425, 8650, 12850, 17300, 34600, 51900, 60000 to 400000 kc., 15 watts, experimental; W6XAL, Pacific-Western Broadcasting Federation, Ltd., near Westminster, Calif., modification of C. P. for extension of completion date to 9/30/31.

July 30 - KHIWD, John Buffelen, "City of Tacoma" (Aircraft) license for aircraft on 8650 kc., 7.5 watts; Southwest Air Fast Express, Inc., Tulsa, Okla., new C. P. for 3184 kc., 400 watts, aeronautical service; KQM, Boeing Air Transport, Inc., Des Moines, Iowa, and KQQ, Iowa City, Iowa, Assignment of licenses to Aeronautical Radio, Inc.; Aeronautical Radio, Inc.; KGSC, Oklahoma City, Okla., KGSV, Wichita Falls, Texas, KGSF, Tulsa, Okla., licenses to cover C. P.s for 278, 3070, 3460, 6350, 8015, 12180 kc., 400 watts.

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# 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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No. 356

July 31, 1930.

## PATENTS, TRADE-MARKS, DESIGN

The following patents were granted during the week ending July 29, 1930:

- 1,771,438. Means For Preventing Radio Interference From Electric Motors. Arthur James Haswell, London, England, assignor to Otis Elevator Company, New York, N. Y. Filed November 26, 1938, and in Great Britain Jan. 18, 1928.
- 1,771,504. Thermionic Valve Testing Instrument. John H. Miller, Oak Park, Ill., assignor to Jewell Electrical Instrument Company, Chicago, Ill. Filed March 8, 1926.
- 1,771,513. Dial. Hyman Shapiro, New York, N. Y., assignor to Arthur Dorsey, New York, N. Y. Filed June 26, 1925.
- 1,771,597. Submarine Signaling Apparatus. William L. Walker, New York, N. Y., assignor to Walker Signal & Equipment Corp. Filed September 5, 1925.
- 1,771,700. Method Of and Apparatus For Multiplex Signaling. Ernst F. W. Alexanderson, Schenectady, N. Y., assignor to Radio Corporation of America. Filed January 8, 1925.
- 1,771,704. Heating Arrangement for Cathodes of Vacuum Tubes. Joseph Bethenod, Paris, France. Filed September 5, 1923, and in France September 19, 1922.
- 1,771,717. Thermionic Tube. Ernst Lubcke, Berlin-Siemensstadt, Germany, assignor to Siemens & Halske, Aktiengesellschaft Siemensstadt, near Berlin, Germany. Filed February 19, 1927, and in Germany February 26, 1926.
- 1,771,820. Means of Recording And Reproducing Pictures, Images, And The Like. Boris Rtcheouloff, London, England. Filed March 9, 1927, and in Russia June 27, 1922.

- 1,771,913. Amplifying System. Burke Bradbury, Schenectady, N.Y., assignor to General Electric Company. Filed April 7, 1928.
- 1,771,914. Radio-Frequency Amplification, Burke Bradbury and Henry E. Roys, Schenectady, N. Y., assignors to General Electric Company. Filed April 7, 1928.
- 1,771,922. Film Driving. Charles L. Heisler, Schenectady, N. Y., assignor to General Electric Company. Filed July 5, 1927.
- 1,771,935. Control of Electroresponsive Devices. Jacob W. McNairy and John F. Tritle, Schenectady, N. Y., assignors to General Electric Company. Original application filed December 31, 1923, divided and this application filed February 2, 1925.
- 1,771,940. Film Reference Marker. Lewis T. Robinson, Niskayuna, N. Y., assignor to General Electric Company. Filed April 5, 1927.

#### Trade-Marks

The following trade-marks are published in compliance with Section 6 of the Act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within 30 days of this publication.

- Ser. No. 291,250. Tork Clocks, Inc., New York, N. Y. Filed October 18, 1929. Trade-Mark: "Telemaster" for electrical relays for periodically setting clocks in circuit therewith in accordance with radio time signals. Claims use since October 4, 1929.
- Ser. No. 297,987. Gebruder Sharf, Berlin, Germany. Filed March 27, 1930. "Goldring" written in double circle, the word "Goldring" being written in the inner circle. For wireless receiving sets, loud-speakers, wireless valves, head phones, assembled amplifying units, amplifying stages, and tuning coils. Claims use since December 1, 1928.
- Ser. No. 301,037. Jacob Bros. Co., New York, N. Y. Filed May 22, 1930. "Radiogrand" for Radio Cabinets without radio apparatus. Claims use since April 25, 1930.

#### Design

- 81,690. Electric Phonograph Pickup or Similar Article. Carl F. Gaudy, Flushing, N. Y. Filed May 13, 1930. Term of patent 14 years.

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RECEIVED  
AUG - 5 1930  
PRESS RELATIONS DEPARTMENT  
G. W. JOHNSTONE

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No. 357

## RMA ESTABLISHES CENTRAL PATENT BUREAU

Reduction of patent difficulties in radio production and, therefore, manufacturing and selling costs, is the object of a centralized bureau of radio patent information which is to be established by the Radio Manufacturers' Association in its New York offices. At their mid-summer meeting on July 30th at Niagara Falls, Ont., the Board of Directors of the Radio Manufacturers' Association, the national industry organization, ordered the establishment of a radio patent department in charge of a competent radio patent attorney. There will be established a complete library of foreign as well as domestic patent information, available to all manufacturing members of the Association. The patent department will collect, digest, index and distribute information on radio patents, publications and litigation, but will not participate in any litigation.

George K. Throckmorton, Executive Vice-President of the E. T. Cunningham Company of New York, was elected to the RMA Board of Directors. Mr. Throckmorton is a prominent executive in the tube branch of the industry.

### New Chairmen Appointed

The following Chairmen of the various manufacturing groups were appointed:

Receivers - Captain William Sparks, of Jackson, Michigan; Tubes - B. G. Erskine, of Emporium, Pa.; Speakers - Henry C. Forster, of Chicago, Ill.; Cabinets - N. P. Bloom, of Louisville, Ky.; Amplifiers - A. C. Kleckner, of Racine, Wisconsin; Raw Materials - R. T. Pierson, of New York, and Miscellaneous Parts - Lloyd Hammerlund, of New York.

H. B. Richmond, of Cambridge, Mass., former President of the RMA, was appointed Director of the Association's Engineering Division which has plans for extensive work, especially in connection with interference problems.

In further reorganization of the RMA work during the coming year, President Metcalf appointed Mr. Harry M. Beach, of Rochester, N. Y., as Chairman of the Association's Merchandising Committee, and Major H. H. Frost, of New York, as Chairman of the RMA Show Committee, having jurisdiction over the policies and operations of the annual RMA Trade Show and public shows.

George C. Furness, of New York, Chairman of the Association's Statistics Committee, outlined plans to expand the industry's statistics reports which are distributed monthly to association members. These statistics will be handled in the future by the Standard Statistics Company of New York.

The Board voted to continue the present schedule of membership dues. Under an amendment to the RMA Constitution, approved at the Atlantic City Convention providing for associate membership, the Board reclassified its active and associate members as recommended by Chairman Bloom of the Membership Committee.

Resolutions deploring the recent death of Mr. Ernest R. Reichmann, former Association counsel, were adopted by the Board of Directors.

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#### STATION WABC GETS THREE MONTH EXTENSION

Another three-month extension for the installation of its proposed new 50,000 watt station was granted by the Federal Radio Commission today to Station WABC, New York, key of the Columbia Broadcasting System.

For nearly a year the station has been searching for a suitable location for the new high-powered transmitter. New Jersey interests protested against the location of the station in that State, claiming that its high power would blanket reception of other stations for listeners in the station's environs.

The new extension was granted on application of the Columbia System because of present difficulties respecting a new location which has been selected in the metropolitan area.

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#### STROMBERG-CARLSON COMPANY REPORTS GAIN

The belief that the sale of "quality" radio receivers has suffered during the general business depression following the Wall Street market drop last Fall appears to be shattered by statistics given out this week by George A. Scoville, Vice-President and Sales Manager of the Stromberg-Carlson Telephone Manufacturing Company, of Rochester, N. Y.

Mr. Scoville reported that Stromberg-Carlson sales for the first half of 1930 show an increase of 30% over the corresponding period in 1929, the record business year in the history of the company.

Although radio constitutes a greater part of the company's business, telephone business has increased rapidly year by year and has played an important part in the record-breaking performance of the Rochester concern, it is declared.



Mr. Scoville predicted a continuance of good business. He said:

"With nothing but active merchandise in the possession of the company, and with the surplus of radio receivers in the market being consumed, the prospects for a big 1930 business are most gratifying."

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### 608 LICENSED BROADCASTERS

All save one of the 609 broadcasting stations in the country began operations on August 1st by authority of new licenses which have become effective for the ensuing license period of three months.

The solitary exception was Station WRK, at Hamilton, Ohio, which failed to file an application for renewal pursuant to regular Commission procedure. This station was notified by telegraph by the Commission that any operation after July 31st would be in violation of the Radio Law, since the station's old license has expired.

It was explained at the Commission in this connection that under new procedure stations are required to file applications for renewal of their licenses in advance of the date of expiration. Failure to do so, it was pointed out, is tantamount to forfeiture of license, since the Commission has no application before it to renew.

The blanket extension of licenses for the three-month period includes 31 stations which have been awarded "temporary licenses" for failure to adhere to Commission regulations or to the terms of the Radio Law. These stations, in all sections of the country, must stand hearing prior to October 31st, when the current license period expires, to show cause why their licenses should not be revoked.

### Commission Must Reduce Number

Because of the overcrowded conditions in the broadcast spectrum, the Federal Radio Commission "is duty bound to effect a reduction in the number of certain types and classes of stations", the Commission informed the Court of Appeals of the District of Columbia.

Appraising the Court of its reasons for denying the application of Station WHAD, at Milwaukee, for increased time on the air, the Commission states that at the present time, "over-congestion exists in numerous communities." Rather than increase this by allotting additional facilities that agency is faced with the necessity of alleviating the condition.

"The Fourth Zone, which includes Wisconsin, is particularly overloaded with more than its share of broadcasting stations and applications from this zone must be carefully examined," the Commission states. "To grant the request of the applicant for increased facilities would only tend to deprive another community of the service to which it is entitled."

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#### SAYS TARIFF HELPS COMMUNICATIONS BUSINESS

Signing of the new Tariff Bill by President Hoover was reflected in an immediate increase in foreign radio communications, according to General James G. Harbord, Chairman of the Board of Directors of the Radio Corporation of America, and the improvement in traffic has been maintained.

According to General Harbord, this increase in radio messages to and from foreign countries was due, presumably, to the activity of importers and exporters, here and abroad in sizing up the foreign trade situation resulting from higher American tariffs. A further interpretation placed upon the larger business was that it reflected the placing of orders for merchandise, both in the United States and abroad, which should help to stimulate world business.

While some of the commercial radiograms sent after the new tariff was enacted may have been the entering of orders for goods, the buying of which had been postponed pending the final adoption of the bill by Congress, the growing business of international communications is viewed by General Harbord as a sign of early improvement in general economic conditions.

#### Ready For Good Business

Attributing the unfavorable results of the Radio Corporation's operations during the first half of the year to its liquidation of heavy inventories and to the reorganization of the company to include manufacturing operations and initiate a liberalized patent licensing policy, General Harbord said the company now was ready for good business in the last half of 1930.

"We are going ahead with increased production schedules", he said, "with the expectation that we will find buyers for our products. The Radio Corporation of America anticipates a marked improvement in the consumption of radio sets in this country and abroad during the remainder of the year."

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## PATENTS POOL FOR TALKIES

Action of the General Talking Pictures Corporation in starting suit for infringement of patents against RCA Photophone, the talking picture equipment subsidiary of the Radio Corporation of America, portends the beginning of negotiations for a patents pool in this country of these two companies and Electrical Research Products, Inc., the talking-motion-picture equipment subsidiary of the Western Electric Company, in the opinion of bankers allied with or closely interested in the motion-picture industry, according to the New York Times.

The General Talking Pictures Corporation has only recently sustained an infringement charge in the United States District Court against Electrical Research Products in a suit which was defended by the parent company, and this decision is regarded as having upset the patents agreement that RCA Photophone and Electrical Research Products recently negotiated with foreign companies.

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## COMMISSION WILL HEAR NEARLY 400 APPLICATIONS

Nearly 400 hearings already have been scheduled by the Federal Radio Commission for September, October and November, at which applicants for various types of radio facilities will be heard.

Calculating that hearings will be held at the rate of five a day on "hearing days", the Commission has docketed cases on the basis of applications received up to July 1. Applications received after that date have not yet been docketed.

The ever-increasing duties of the Commission are reflected in the number of applications now being received, members of the Commission have pointed out. Under the law, hearings must be held before the Commission can take negative action on applications of other than a purely routine and miscellaneous nature.

Among the applications pending and designated for hearing are about a score from stations seeking the maximum allowable power of 50,000 watts. All of these applications either have been or will be designated for hearing at the same time, to cover a week's period in September. Because these requests are interlocking, the Commission decided it would be advisable to hear them consecutively.

During the last fiscal year, which ended June 30, the Commission received an aggregate of 8,543 applications of every type and category, it is shown in the records. Of this total 944 were scheduled for hearing, and, after negotiation, 323 were placed on the hearing calendar. Of the latter figure 32 applicants defaulted by failure to put in appearances at the scheduled hearings.

In the final analysis, 240 hearings actually were held, as a result of which 159 applications were denied, 77 were granted and 4 still remain undecided.

From the adverse decisions of the Commission, 36 appeals were taken to the Court of Appeals of the District of Columbia. Of these, 31 appeals now are pending. Pursuant to these appeals, the Commission has filed 36 statements of fact and grounds for its adverse decisions in the case, as is required of it under the law.

The records show also that 100 stations have violated the Radio Act of 1927 or Commission regulations during the six months ended July 1, and that accurate records of such transgressions for the first time have been kept. Of these cases, 16 have been heard at formal hearings before the Commission and two stations have been deleted, as a consequence.

And of this aggregate of 100 violators, 31 stations have been issued temporary licenses for the three-month period ended October 31, and must stand hearing before the Commission to show cause why their licenses should not be revoked.

The most recent check of the Commission shows there are 50 unlicensed or "pirate" stations on the air, creating disturbances by what the Commission characterizes as "bootleg" operations. Definite evidence obtained on 10 of these unlicensed stations has been transferred to the Department of Justice for prosecution, and investigations are being conducted on the others, it was said.

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#### BLAMES RADIO FOR ADVERTISING TREND

The following is from the Editor and Publisher:

"A complaint is made by The Billboard, theatrical paper, against the intrusion of advertising exploitation in vaudeville. The editor says that RKO and the Loew Circuit are in the business of selling stage time. He cites the case of the Albee Theatre in Cincinnati where 'one of the finest bills of the season' was rudely interrupted to allow for a ballyhoo to sell electric refrigerators. The editor of the old-time theatrical paper says that he will wager that the advertising stunt lost the house many friends.

"This, of course, is a natural sequence to commercial publicity on the air and in motion and sound pictures. If a couple of black-face radio dialogue artists can put over a \$100,000 contract with a toothpaste firm, vaudeville people assume that the big money lies not in the sale of seats, but in the exploitation of the ticket buyer. The question is: How much of this sort of thing will the American people endure?"

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: : BUSINESS LETTER BRIEFS : :  
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Frank Knight, announcer for the Columbia Broadcasting System, New York, has just been married to Miss Mildred Gertrude Wall, actress.

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The Fleischmann radio broadcast by Rudy Vallee will be continued each Thursday evening while he is on tour. Mr. Vallee has signed up for 70 additional weeks beginning September 4th in a renewal of his contract with the Fleischmann Hour. He has also signed a recording contract with the RCA-Victor for 72 weeks beginning September 8th. He is under the management of the NBC Artists' Service.

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A meeting of the Institute of Radio Engineers will be held at Toronto, Canada, August 18-22nd.

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The following is a current financial report of the Radio-Keith-Orpheum Corporation and subsidiaries - Six months ended June 30: Profit, after Federal taxes, \$2,166,133, compared with \$630,569 last year. Three months ended June 30: Profit, before Federal taxes, \$410,231, compared with \$26,355 last year.

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The Atlantic Broadcasting Company, operators of Station WABC, key of the Columbia network, have filed an application with the Public Utility Commission for authority to construct their new transmitter in Wayne Township, Passaic County, New Jersey.

Twenty-five broadcasting stations in the State have been notified that hearing will be held August 15th, at which time the application will be considered.

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The Janesville (Wis.) Gazette has purchased radio station WCLO, formerly located at Kenosha, and has moved it to Janesville. Entirely new equipment throughout of the latest type, has been installed in both the studios and transmitting station.

The station went on the air August 1st. Operating power is 100 watts, 249.9 meters - 1200 kilocycles, licensed to operate full time. H. H. Bliss, publisher of the Gazette is President of WCLO Radio Corporation.

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The following is a current financial report of the Crosley Radio Corporation - Three months ended June 30: Net loss, after taxes, depreciation and other charges, \$300,070, compared with net loss of \$319,886 last year. Six months: Net loss \$996,685, contrasted with a net profit of \$745,780, equal to \$1.43 a share on the capital stock, last year.

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The Brownsville (Tex.) Herald has taken over the lease and operation of the Brownsville radio station KWWG. The paper plans to increase the power of the station from 500 to 1000 watts.

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#### APPLICATIONS RECEIVED BY FEDERAL RADIO COMMISSION

July 31 - WCBM, Baltimore Broadcasting Corp., Baltimore, Maryland, license to cover C. P. issued June 20, 1930, to make changes in equipment; WCLO, WCLO Radio Corporation, Kenosha, Wis., license to cover C. P. issued April 16, 1930, to move studio to Janesville, and transmitter to near Janesville, Wis., and to install new equipment; WSBC, World Battery Company, Inc., Chicago, Illinois, license to cover C. P. issued July 7, 1930, to make changes in equipment; KGFL, W. E. Whitmore, Raton, New Mexico, C. P. to move transmitter and studio locally.

August 1 - Alfred J. Pote, Springfield (State Road between Palmer and Springfield,) Massachusetts, C. P. to erect a new station to use 1320 kc., 1 KW and unlimited hours.

August 2 - W. J. BEARD (Beard's Temple of Music), Paragould, Ark., amendment filed to application for C. P. to request 990 kc., instead of 1190 kc., with 500 w.; WCBS, Charles H. Messter & Harold L. Dewing, Springfield, Illinois, modification of C. P. to extend commencement and completion dates on C. P. to August 5 and September 5 respectfully.

#### Applications Other Than Broadcasting

July 31 - Press Wireless, Inc.; WJQ, Little Neck, L. I., N. Y., modification of C. P. for change in frequencies to 7340, 15730, 7850, 15700, 7955, 15910, 7355, 15760, 7820, 15640, 7370, 15610, 7640, 15880, 7925, 15850, 7625, 15580 5325, 5335, 5345, 5355, 4715, 4745, 4945, 4965, 4975, 4985, 4995, 5295, 4925, 4955, 5315, 5305, 4725, 5285, 4735, 4935 kc.; WJM, Washington, D. C., modification of C. P. for change in frequencies to 7640, 7925, 15850, 7625, 15580, 5325, 5335, 5345, 5355, 4715, 4745, 4945, 4965, 4975, 4985, 4995, 5295, 4925, 4955, 5315, 5305, 4725, 5285, 4735, 4935 kc.; WJP, Nassau County, L. I., N. Y., and WJG, Philadelphia, Pa., modification of C. P. for change in frequencies and for additional

frequencies respectively as follows: 7850, 15700, 7640, 7925, 15850, 7625, 15580, 5325, 5335, 5345, 5355, 4715, 4745, 4945, 4965, 4975, 4985, 4995, 5295, 4925, 4955, 5315, 5305, 4725, 5285, 4735, 4935 kc.; WJU, Little Neck, L. I., N. Y., modification of C. P. for change in frequencies to 15730, 7850, 15700, 7955, 15910, 7355, 15760, 7820, 15640, 7370, 15610, 7640, 15880, 7925, 15850, 7625, 15580, 7835, 15670, 5325, 5335, 5345, 5355, 4715, 4745, 4945, 4965, 4975, 4985, 4995, 5295, 4925, 4955, 5315, 5305, 4725, 5285, 4735, 4935 kc.

August 2 - Press Wireless, Inc.: WJN, Little Neck, L. I., N. Y., modification of license for additional frequencies as follows: 7340, 15730, 7850, 15700, 7955, 15910, 7355, 15760, 7640, 15880, 7925, 15850, 7625, 15580, 7935, 15670, 5325, 5335, 5345, 5355, 4715, 4745, 4945, 4965, 4975, 4985, 4995, 5295, 4925, 4955, 5315, 5305, 4725, 5285, 4735, 4935 kc.; WJK, Needham, Mass., modification of license for additional frequencies of 7340, 15730, 7850, 15700, 7955, 15910, 7355, 15760, 7820, 15640, 15610, 7640, 7925, 15850, 7625, 15580, 5325, 5335, 5345, 5355, 4715, 4745, 4945, 4965, 4975, 4985, 4995, 5295, 4925, 4955, 5315, 5305, 4725, 5285, 4735, 4935 kc.; WJS, Little Neck, L. I., N. Y., modification of C. P. for change in frequencies as follows: 7340, 15730, 7955, 15910, 7355, 15760, 7820, 15640, 7370, 15610, 7640, 15880, 7925, 15850, 7625, 15580, 7835, 15670, 5325, 5335, 4715, 4745, 4945, 4965, 4975, 4985, 4995, 5295, 4925, 4955, 5315, 5305, 4725, 5285, 4735, 4935, 5345, 5355 kc.; W9XV, Rev. Lannie W. Stewart, Carterville, Mo., assignment of license to Ozark Radio Corp., of Carterville, Mo.; KGOZ, City of Cedar Rapids, Police Dept., Cedar Rapids, Iowa, license to cover C. P. for 2470 kc., 50 watts, limited commercial service; Emsco Aircraft Corp., NR - 166 W., new license for aircraft on 9090, 500 kc., 50 watts.

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#### DECISIONS OF THE FEDERAL RADIO COMMISSION

The following applications were granted:

August 1 - KTK, Globe Wireless, Ltd., Mussel Rock, Cal., license 500, 460 kc., 10 KW, unlimited hours; Radio Corporation of America, Portable, Bound Brook, N. J., and W3XL, and W3XAL, RCA Communications, Inc., Bound Brook, N. J., consent to voluntary assignment of licenses to National Broadcasting Co., Inc.; Boeing Air Transport, Inc.: KKO, Elko, Nev., KQD, Salt Lake City, Utah, KQC, Rock Springs, Wyo., KOE, Cheyenne, Wyo., consent to voluntary assignment of license to Aeronautical Radio, Inc.; Herbert Hoover, Jr, Portable, 6th Dist., renewal of license 1604, 2398, 3256, 4795, 6425, 8650, 12850, 16300, 23100, 25100 and 27100 kc. (Gen. Exp. frequ.) 60000 to 400000 and 401000 and above, 1 KW power; Emsco Aircraft Corp., Airplane NR 166 W, license for round-the-world flight, 500 kc., calling and distress frequency for ships and aircraft over seas; 457 kc., work. freq. to be used on sea flights only; 5525 kc. to be used for purpose of calling coastal station or ship when plane is in flight over sea; 8290 kc., calling and working frequency for ships when on sea flights; 50 watts, A2 emission.

Also, WGBF, W. Neal Parker & Herbert H. Metcalf Glens Falls, N. Y., license 1370 kc., 50 watts unlimited time; WSVS, Elmer S. Pierce, Principal, Seneca Vocational High School, Buffalo, N. Y., C. P. to install new transmitter antenna; KGRS, E. B. Gish (Gish Radio Service), Amarillo, Texas, modification of C. P. to extend completion date to Sept. 15, 1930; WJBC, Hummer Furniture Co., LaSalle, Ill., consent to voluntary assignment of license to Wayne Hummer and H. J. Dee, d/b as Kaskaskia Broadcasting Co.; WLS, Agricultural Broadcasting Co., Chicago, Ill., modification of license to move main studio locally; WCAZ, Robert E. Compton & Walter H. Tanner, d/b as Superior Broadcasting Service, Carthage, Ill., C. P. to move main studio locally and install new transmitter; KMO, KMO, Inc., Tacoma, Wash., C. P. "to authorize removal of present equipment described in application" and when application for license in accordance with C. P. is granted that station be licensed only for maximim power of transmitter, 500 watts.

Also, KFYR, Meyer Broadcasting Co., 6 miles from Bismarck, North Dakota, modification of C. P. to extend completion date to September 1, 1930; WABC-WBOQ, Atlantic Broadcasting Corp., New York City, modification of C. P. to extend completion date to October 31, 1930; KGIX, J. M. Heaton, Las Vegas, Nevada, license to cover C. P. 1420 kc., 100 watts, unlimited time; KFOR, Howard A. Shuman, Lincoln, Nebraska, C. P. to move transmitter and studio locally; KTUE, George A. Butler, Houston, Texas, permission to close station effective July 31, 1930, pending final determination of application to move transmitter and change equipment; WLXAA, Massachusetts Institute of Technology, Cambridge, Mass., special authority to operate on board dirigible on August 1st, using 2476 kc., to rebroadcast report of National Amateur Rowing Regatta races through loud speaker on Institute Grounds, and rebroadcasting from WBZ; Elmer F. Koehler, Airplane NR 783-M, license 2476 kc., for transmission of communications to be rebroadcast only; 3106 kc., for communications between air and ground except for rebroadcast purposes, 10 watts power, A-3 emission. Also, 7 new ship licenses, 4 modification of licenses and 19 renewals of ship licenses.

#### Set For Hearing

WORD, Peoples Pulpit Association, Chicago, Ill., asks for modification of license to move studio from Chicago to Deerfield, Ill.

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