

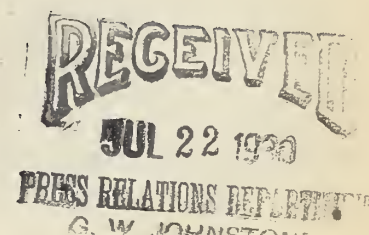
HEINL RADIO BUSINESS LETTER

INSURANCE BUILDING

WASHINGTON, D. C.

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 :: :: CONFIDENTIAL—NOT FOR PUBLICATION.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

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No. 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.; WJJ, 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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RECEIVED

JUL 25 1930

PRESS RELATIONS DEPARTMENT
G. W. JOHNSTONE

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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 licensee'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.

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.

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.

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.

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."

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, 4268, 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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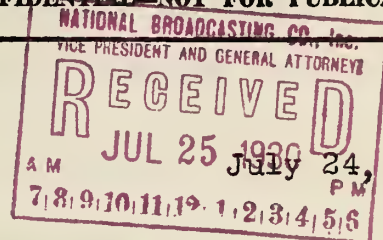
HEINL RADIO BUSINESS LETTER

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



PATENTS, DESIGNS, AND LABEL

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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