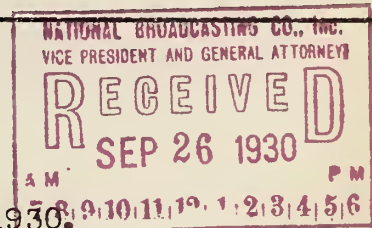
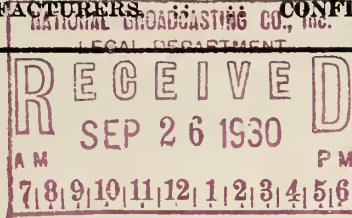


HEINL RADIO BUSINESS LETTER

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 **CONFIDENTIAL—NOT FOR PUBLICATION.** :: ::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. 371

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HIGHLIGHTS OF RADIO SHOW OPENING

Some of the outstanding radio sets exhibited at the opening of the Seventh Annual Radio World's Fair at Madison Square Garden, N. Y., are described, in part, as follows in the New York Times:

"The majority of the new sets are equipped with a small knob which enables the listener to regulate the tonal quality from bass to treble. This is heralded by radio engineers as one of the outstanding developments of the year because it makes listening-in more pleasing to the auditor in that he can favor the low rumble of the kettle drums or turn the knob in the other direction and give the high pitch of the violin the dominating role in the performance.

"Home recording is a new feature in which visitors displayed considerable interest. This is effected by a closer alliance between the broadcast receiver and the phonograph.

"The screen-grid tube is all-popular this season. Manufacturers who did not adopt it last year have now included it in their 1930-31 circuits. The majority of sets employ three or four of the screen-grid bulbs, which are said to increase the distance range, the tone quality and the sharpness of tuning.

Sets More Compact

"The cabinet designers have cooperated with those who built the electrical chassis to make the new sets more compact. There are consoles of all descriptions, representing many different periods of furniture design. More than fifty manufacturers have introduced midget sets, the general style of which resembles a mantel clock. These sets are extremely compact, yet they include a complete radio circuit with screen-grid tubes and loud-speaker. The manufacturers assert that there is a good demand for these small outfits.

"There are alternating current receivers, direct current machines and new battery-operated sets made possible by the No. 230 type of 2-volt tube. They are expected to improve reception on the farm and in sections where the proper house lighting current is not available. Data supplied with the tubes indicates an improvement in efficiency compared with the old style UX-199 bulb. There is also an improved battery-operated power tube No. 231 and a battery-operated screen-grid No. 232.

"Breathing Battery"

"Linked with the development of this latest tube is a new battery introduced by the National Carbon Company. It is called a 'breathing battery' because of its small 'lungs' built of specially constructed carbon blocks literally hungry for oxygen. The cells are kept alive by absorbing oxygen from the air.

"This battery, according to the designers, will give service for at least 1,000 hours when supplying current for not more than seven bulbs. The voltage is said to be almost constant throughout the life of the battery. Furthermore this air cell makes it possible to design 2-volt tube receivers without the manually operated rheostats, filament voltmeters and devices to guard against premature burn-out of tubes. All the new receiver requires for filament control is a simple on-off switch.

"There are few table model receivers this year. The console is the popular machine, although there is a trend in the cabinet design to get away from the standard console and to make radio inconspicuous in the home. The sets are hidden in a grandfather clock, Duncan Phyfe table, a William and Mary desk, a Queen Anne desk and in a desk secretary."

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NO LAW IN NEW AIR RACKET

The sky is the limit in the rebroadcasting of radio programs and the amplification of phonograph records from an airplane for advertising purposes. To date there is no Federal statute to prevent pilots from reaping a rich harvest from this new racket, and municipalities, even though they have laws prohibiting such nuisances, are often powerless to enforce them.

The District of Columbia, which has been annoyed several times recently by an out-of-town aviator with a far-reaching amplifying apparatus, has just been informed by Clarence M. Young, Assistant Secretary for Aeronautics, Department of Commerce, that nothing can be done by the Federal Government to penalize the pilot for boldly disobeying a District ordinance.

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RMA FAVORS HIGH POWER

The Radio Manufacturers' Association, which met last Monday at the Hotel Astor, New York City, recommended to the Federal Radio Commission that it sanction an increase in the number of high-power stations on cleared channels in the interest of better broadcasting for the public.

The recommendation was in the form of a letter sent to the Commission by Morris Metcalf, President of the Association, which received the approval of the Radio Manufacturers' Association Board of Directors at the annual meeting.

The Board also approved and endorsed the plan proposed in the Senate resolution to transfer the Department of Commerce Radio Division and its activities to the jurisdiction of the Radio Commission, pending final disposition of legislation to establish a Federal communications body. Another recommendation had to do with the protection of the interests of manufacturers and broadcasters in pending copyright royalty legislation.

Mr. Metcalf, in his letter to the Radio Commission, favored the "deletion of stations not performing a real service to the public", and recognized the present overcrowding of the air as an evil which it is hoped the Commission will remedy.

The RMA Board also accepted an invitation to cooperate with electrical organizations in the preparation of a telegraph and cable code for the radio and electrical trade.

Preliminary plans for the 1931 annual RMA Trade Show were reported by Major H. H. Frost, of New York, preceding a Committee meeting which received applications from Pittsburgh, Chicago, Detroit and St. Louis for the show. More business and less carnival is to be the keynote of the 1931 show, the time and place for which will be chosen later.

Plans for greater service to the radio public in eliminating interference with radio reception were discussed by H. B. Richmond, of Cambridge, Mass., Director of the RMA Engineering Division preceding its meeting on Wednesday last.

Plans to expand and make the RMA credit service more valuable to the membership were presented to the Board by Leslie F. Muter, of Chicago, Chairman of the Credit Committee.

A new credit and collection manual has been issued to all RMA members and this is declared to be of greater value to the larger, as well as the smaller manufacturers.

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RCA RADIOTRON STATION DIRECTORY

A compact broadcast station directory, listing stations by their call letters, has just been issued by the RCA Radiotron Company at Harrison, N. J. It easily fits into one's side pocket, though comprising 52 pages, and is made unusually attractive and readable by a series of biographical sketches by Charlotte Geer of the principal radio announcers of the NBC, Columbia and several individual stations.

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SCIENTISTS WARY ON SUN SPOTS

Broadcasting reception will improve as the weather becomes colder, but there is no scientific basis for the prediction in trade circles that it will be better than last Fall and Winter or any of the previous seasons.

Government scientists who have been making a study of the possible effect sun spots have on radio reception, feel that their research hasn't gone far enough to enable them to make any prediction. Besides, Old Sol has been acting up this Summer in peculiar fashion, and that makes them even more wary.

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SEEK TO DISMISS WISJ ORDER

A motion to dissolve the temporary restraining order against the Federal Radio Commission, which was granted September 15th in the case of Atlass Co., Inc., (owners of WBBM), v. Radio Commission, to prevent the operators of Station WISJ, of Madison, Wis., from broadcasting temporarily on the 780 kilocycle channel, was filed September 23rd in the Supreme Court of the District of Columbia.

The motion was filed by the Wisconsin State Journal Broadcasting Company, intervenor in the case.

Judge O. R. Luhring, of the District Supreme Court on September 24th granted an order continuing the temporary restraining order by WBBM against the Federal Radio Commission and Station WISJ.

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: BUSINESS LETTER BRIEFS :
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Fall is bringing a marked increase in radio orders, according to Mr. Andrea, President of the FADA Radio Co., who announced an increase in production of 50 per cent at his plant.

Fifty-one of the 91 elements known to man are used in the manufacture of RCA Radiotrons, according to engineers of the RCA Radiotron Company, Inc. No other product utilizes so many elements, they state, and few devices require such fine material or such skill in the making.

Arrangements have been completed for the establishment of a beam wireless service for the exchange of daily letters and week-end messages between Australia and France, according to a dispatch received in the Department of Commerce from Assistant Trade Commissioner H. P. Van Blarcom, Sydney. Amalgamated Wireless (Australasia), Ltd., are putting in this service, which also will include Algeria and Tunis.

Naval aviators have discovered a way to use broadcasting stations without have to listen to them. Lt. Comdr. D. B. Duncan, United States Navy, of the Bureau of Aeronautics, on a flight from Hartford, Conn., to Boundbrook, N. J., tuned in his radio compass set on Station WJZ, situated in the latter place.

Visibility was poor, and in addition, the course across Manhattan led through considerable smoke and haze. Radio compass bearings taken by Lt. Comdr. Duncan on the broadcasting station led him directly to Boundbrook.

Walter C. Evans, Westinghouse engineer, appeared in opposition to the application of Station KBTM, Paragould, Ark., for a transfer from 1200 to 990 kilocycles and from 100 to 500 watts, at a hearing on September 24th. He said the change would seriously interfere with WBZA, Boston, and WBZ, Springfield, Mass., which now occupy the 990 kc. channel. The Commission counsel pointed out that the frequency is assigned to the First Zone in accordance with General Order 40 and that the applicant is in the Third Zone.

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APPLICATIONS RECEIVED BY FEDERAL RADIO COMMISSION

September 22 - WABC-WBOQ, Atlantic Broadcasting Corp., New York, N. Y., Modification of C. P. to obtain approval of location selected for 50 KW station, $\frac{1}{2}$ mile from Wayne, N. J., and an extension of completion date to February 1, 1931; KGRS, E. B. Gish (Gish Radio Service), Amarillo, Texas, modification of C. P. to extend completion date on C. P. to Nov. 1, 1930; KFGQ, Boone Biblical College, Boone, Iowa, modification of C. P. to extend completion date on C. P. to November 20, 1930; WMBD, E. M. Kahler, owner, Peoria Heights Radio Laboratory, Peoria Heights, Illinois, license to cover C. P. issued 6/2/30 to rebuild transmitter; KPJM, A. P. Miller & George R. Klahn, d/b as Miller & Klahn, Prescott, Arizona, modification of C. P. to extend completion date on C. P. to October 4, 1930; KFRC, Don Lee, Inc., San Francisco, Calif., C. P. to move transmitter to a location to be determined, install new equipment, change frequency from 610 kc., to 680 kc., and increase power from 1 KW to 50 KW.

September 23 - WMRJ, Peter J. Prinz, Jamaica, N. Y., license to cover C. P. issued 5/19/30 authorizing increase in power from 10 watts to 100 watts and installation of new equipment; also requests authority to use 10 watt transmitter at same location as an auxiliary; WSAN, Allentown Call Publishing Co., Inc., Allentown, Penna., license to cover C. P. issued 5/29/30, authorizing move of transmitter to Mizpah Grove, Allentown, and installation of new equipment, also requests authority to use old equipment at old location as an auxiliary; WHBY, St. Norbert College, West De Pere, Wisconsin, license to cover C. P. issued 6/10/30, authorizing move of transmitter to U. S. Highway #41, near DePere, Wis., and installation of new equipment; also requests authority to use old equipment at old location as an auxiliary; also, modification of license to move main studio to Green Bay, Wisconsin; WIBO, Nelson Brothers Bond & Mortgage Company, near Des Plaines, Ill., modification of license to change hours of operation from sharing with WPCC and WISJ to unlimited on 560 kc.; KGCR, The Greater Kampeska Radio Corp., Watertown, S. D., C. P. to move transmitter to the shore of Lake Kampeska, 6 miles west of Watertown, and studio to 22-24 North Maple St., Watertown.

Also, WMBH, Edwin D. Aber, Joplin, Missouri, C. P. to move transmitter to a location in Joplin, not yet determined, install new equipment, change frequency from 1420 kc. to 1230 kc., and increase power from 250 W. day and 100 w. night to 1 KW unlimited; WCAL, St. Olaf College, Northfield, Minn., C. P. to install new equipment, change frequency from 1250 kc. to 990 kc., increase power from 1 KW to 5 KW and change hours from sharing with KFMX, WLB, and WRHM to daytime; KIDO, Frank L. Hill & C. G. Phillips, d/b as Boise Broadcast Station, Boise, Idaho, license to cover C. P. issued 6/11/30 authorizing a move of transmitter to 1-9/10 miles from the center of Boise, changes in equipment, and unlimited hours of operation; also requests authority to operate an auxiliary transmitter at the old location (9th and Jefferson Sts.); Ned Lewis Reglein, Michigan City, C. P. to erect a new station to use 1240 kc., 250 w., and hours up to 7:00 P. M.; W. T. Hamilton, Greenville, S. C., C. P. to erect a

new station to use 1240 kc., 500 w., and unlimited hours; Hugh Suffron & E. G. Storer, d/b as Suffron-Storrer Company, Peebles, Ohio, C. P. to erect a new station to use 1310 kc., 50 watts, and unlimited hours.

Applications Other Than Broadcasting

WCC, Radiomarine Corp. of America, Marion, Mass., license to cover C. P. for new high frequency transmitter, public coastal service. Calling: 5525, 11050, 16580, 22100; Working: 6455, 6470, 8430, 12640, 12580, 16740, 21860, 21900 kc., 40 KW; also C. P. for new high frequency transmitter, public coastal service, frequencies same as above, power 70 KW; KIE, RCA Communications, Inc., Kahuku, T. H., renewal of public point to point license, 18 kc., 200 KW; KGI, RCA Communications, Inc., Kahuku, T. H., renewal of public point to point license, 18.6 kc., 200 KW; Bell Telephone Laboratories: Portable - license for special experimental service, 4752.5, 6755, 8630, 9170, 9750, 9870, 12840, 13390, 10550, 14470, 14590, 16270, 18340, 19220, 21060, 17120, 21420 kc., 1 KW; Ocean Township, N. J., license for special experimental service, frequencies same as above, power 5 KW; also, Portable, license for special experimental service, power 1 KW, frequencies same as above; also, Deal, N. J., license for special experimental service, power 20 KW, frequencies same as above.

September 23 - WSC, Radiomarine Corp. of America, Tuckerton (Ocean Twp.), N. J., license covering C. P. for additional transmitter coastal service on 5525, 11050, 16580, 22100, 6485, 8350, 8370, 12810, 12520, 12670, 13210, 16780, 21700, 21780, 21820 kc., 21740 kc., 40 KW; Pan American Airways, Inc.: KHFDW, Airplane NC-810-H, KHFJQ, Airplane NC-813-H, KHFIR, Airplane NC-814-H, renewal of aircraft licenses on 333, 414, 500, 2662, 3070, 5690, 8015 kc., 12 watts; Radiomarine Corp. of America: KSE, Torrance, Calif., coastal C. P. for additional transmitter at Station KSE on 5525, 11050, 16580, 22100, 6485, 12430, 8430, 12490, 22040, 22520 kc., 350 W.; KPH, Bolinas, Calif., coastal C. P. for additional transmitter on 5525, 11050, 16580, 22100, 6500, 8390, 12550, 12730, 16700, 21940, 21980 kc., 70 KW; RCA Communications, Inc.: KQZ, Bolinas, Calif., renewal of point-to-point public license on 17980 kc., 80 KW; KQR, on 18040 kc.; KEZ, on 10400 kc.; KER, on 10390 kc.; KKR, on 15460 kc., all renewals of point to point public licenses, situated at Bolinas, Calif., 80 KW; Magnolia Petroleum Co., Beaumont, Texas, WOD, assignment of license to Magnolia Radio Corporation, and license for public coastal service on 500, 437.7 kc., 500 watts.

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HEARINGS SCHEDULED BY FEDERAL RADIO COMMISSION

October 7 - KFUL, Will H. Ford, Galveston, Texas, renewal of license 1290 kc., 500 w., divides with KTSA.

October 13 - KTNT, Norman Baker, Muscatine, Ia., renewal of license, 1170 kc., 5 KW, LT; WHEC-WABO, Hickson Electric and Radio Corp., Rochester, N. Y., renewal of license, 1440 kc., 500 w., divides with WOKO; KBPS, Benson Polytechnic School, Portland, Ore., renewal of license, 1420 kc., 100 w., divides with KXL; KGAR, Tucson Motor Service Co., Tucson, Arizona, renewal of license, 1370 kc., 100 w., unlimited time 250 W., LS.; KTRH, The Rice Hotel, Houston, Texas, renewal of license, 1120 kc., 500 w., divides with WTAW; KGMP, Homer F. Bryant, Bryant Radio & Electric Co., Elk City, Okla., renewal of license, 1210 kc., 100 w., unlimited time; KGBZ, Dr. George R. Miller, York, Neb., renewal of license, 930 kc., 500 w., 1 KW, L S., divides with KMA.

October 14 - Renewals of Licenses: WCLS, WCLS, Inc., Joliet, Ill., 1310 kc., 100 w., divides with WKBB; WKBQ, Standard Cahill Co., Inc., New York City, 1350 kc., 250 w., divides with WBNY, WMSG, WCDA; WKBO, Camith Corp., Jersey City, N. J., 1450 kc., 250 w., divides with WBMS, WNJ, WHOM; WELL, Enquirer-News Co., Battle Creek, Mich., 1420 kc., 50 w., unlimited time; Paul J. Gollhofer, Brooklyn, N. Y., WMBQ, 1500 kc., 100 w., divides with WCLB, WWRL, WLBX; WCOA, City of Pensacola, Fla., Pensacola, Fla., 1340 kc., 500 w., unlimited time; WRBI, Kents Furniture and Music Store, Tifton, Ga., 1310 kc., 20 w., one-half time; WGCM, Great Southern Land Co., Gulfport, Miss., 1210 kc., 100 w., unlimited time; WWRL, Long Island Broadcasting Corp., New York City, 1500 kc., 100 w., divides with WMBQ, WLBX, WCLB; WLTH, Voice of Brooklyn, Inc., Brooklyn, N. Y., 1400 kc., 500 w., divides with WCGU, WBBC, WSGH, WSDA; WEVD, Debs Memorial Radio Fund, Inc., New York City, 1300 kc., 500 w., divides with WBBR, WHAP, WHAZ; WMAI, Kingshighway Presbyterian Church, St. Louis, Mo., 1200 kc., 100 w., 250 w. LS, divides with KFWF, WIL; WBRE, Louis G. Baltimore, Wilkesbarre, Pa., 1310 kc., 100 w., unlimited time.

October 15 - KMPC, R. S. MacMillan, Beverly Hills, Cal., renewal of license, 710 kc., 500 w. LT.

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DECISIONS OF THE FEDERAL RADIO COMMISSION

The Commission granted the following applications on September 23rd:

WBF, Tropical Radio Telegraph Co., Boston, Mass., C. P. to change location of transmitter from Boston to Hingham, Mass., install 2 new transmitters to replace the two now licensed, and add a third high-powered transmitter rated at 20 KW; WIXT, same Co., C. P. to move transmitter from Boston to Hingham, Mass.

KGTG, Aeronautical Radio, Inc., Kansas City, Mo., C. P. to install new transmitter outside of Kansas City, frequencies 3070, 3082, 5510, 5540 (for period of not to exceed 60 days), 278 (with power of 15 w) unlimited time; 400 3atts power; A1, A2 and A3 emission; to communicate with aircraft in flight and other blue chain stations; frequencies other than 5540 are temporarily assigned until further action by Commission; WAL, American Radio News Corp., New Rochelle (Westchester), N. Y., modification of C. P. to move transmitter from New Rochelle to Carlstadt, Bergen County, N.J., and change type of equipment to composite VT CW with same power, 10 KW and same frequencies, 95 and 99 kc., same points of communication; W3XAJ, RCA Victor Co., Inc., Camden, N. J., license to cover C. P. frequencies 1604, 2398, 3256, 4795, 6425, 8650, 12850 and 17300 kc., 250 watts; W3XAD, RCA Victor Co., Inc., Camden, N.J., modification of C. P. to change frequencies from 1604, 2398, 3256, 4795, 6425, 8650, 12850, 17300, to 17300, 25700, 34600, 50100 and 60000 to 400,000 kc.

Also, KGX, Globe Wireless Ltd., Cypress, Cal., license to cover C. P. 7430, 7347.5, 7445, 9410, 10930, 14860, 14875, 14890, 18820, 22700 kc., 1500 w., unlimited time; W2XBQ, United Research Corp., Long Island, N. Y., modification of C. P. to extend completion date to 6/30/31; WPDP, Bureau of Police, Dept. of Public Safety, Philadelphia, Pa., modification of C. P. to extend completion date to 11/1/30; KSA, Globe Wireless, Ltd., Edmonds, Wash., modification of C. P. to extend completion date to Nov. 4, 1930; RCA Communications Inc., Rocky Point, N. Y.: WEB, modification of license to include additional transmitter; 6395 kc., 80 KW, to change points of communication to read "Warsaw, Copenhagen and other stations with which RCA Com. Inc. is licensed to communicate with"; WIY, modification of license same as above except frequency 13870 kc., 80 KW power; WQV, modification of license for additional transmitter 14800 kc., 80 KW, points of communication: Havana, Manila and other stations with which RCA is licensed to communicate with; WQY, modification of license for additional transmitter, frequency 20100 kc., 80 KW, communicate with Oslo, etc; WBU, modification of license for additional transmitter 21260 kc., 80 KW to communicate with Warsaw, Copenhagen, etc.; W2XS, modification of license to change frequencies from 1604, 2398, 3256, 4795, 6425, 8650, 12850, 17300 kc., to 34600, 60,000-400000 and above 401000 kc. power 10 KW; W2XBI, modification of license to change frequencies to 50100, 60000-400000 and above 401000 kc., 10 KW power; WKO, modification of license to include additional transmitter, freq. 15970 kc., 80 KW to communicate with Bogota and other stations, etc.

Also, W3XAD, RCA Victor Company, Inc., Camden, N. J., modification of license to change frequency to 2100-2200 kc., 500 watts; W2XBB, Radio Corp. of America, Brooklyn, N. Y., modification of license to change frequencies to 25700, 34600, 60000-400000 and above 401000 kc., 1 KW; W9XAM, Elgin National Watch Co., Elgin, Ill., renewal of license, frequency 4795 kc., 500 watts, unlimited time; KSF, Continental Oil Co., Ponca City, Okla., renewal of license, frequencies, 1600, 1652, 1664, 1680 and 1704 kc., 50 watts power; City of Oklahoma, Oklahoma City, Okla., C. P. for police service on 2452 kc., 75 watts; W6XM, University of California, Berkeley, Cal., renewal of license, frequencies 1604, 2398, 3256, 4795, 6425, 8650, 12850, 17300 kc., 1 KW.

Also, RCA Communications, Inc.; WET, Rocky Point, N. Y., renewal of license, frequency 9470 kc., 80 KW, unlimited time; WAZ, New Brunswick, N. J., renewal of license frequencies 7415, 14920, 17860 kc., 80 KW; A1 and A2 emission to communicate with Havana, Cartago, Costa Rica (San Jose), Managua, Nicaragua and other stations, etc.; WQH, Rocky Point, N. Y., renewal of license, frequencies 1880 kc., 80 KW, A1, A2 and A3 emission, to communicate with London and other stations, etc.; WQS, renewal of license, frequency 13915 kc., 80 KW, to communicate with Rome and other stations; WQG, renewal of license, frequency 15040 kc., 80 KW, to communicate with San Juan, S. Martin, Santo Domingo, and other stations, etc.; Radio Pictures, Inc., Long Island City, N. Y.: W2XAH, renewal of license, frequencies 1604, 2398, 3256, 4795, 6425, 8650, 12850, 17300 kc., 500 watts, the use of 1604 kc. during hours of 4 to 5 P. M. and 9 to 10 P. M. for experimental visual broadcasting with station W2XR; W2XB, Same, renewal of license frequencies 2850 to 2950 kc., 2100 to 2200 kc., 500 watts; WRDO, Albert S. Woodman, Augusta, Maine, modification of C. P. to extend completion date to 12/9/30; KTAB, The Associated Broadcasters, Inc., San Francisco, Cal., modification of license to change power from 500 w. with 500 w. experimentally to 1 KW, unrestricted; KGNO, Melvin A. McCollom, Dodge City, Kans., consent to voluntarily assign of license to Dodge City Broadcasting Co., Inc.; WILL, University of Illinois, Urbana, Ill., authority to install automatic frequency control. Ship Licenses: 1 new, 5 modification of licenses and 3 renewals

Set For Hearing

American Rolling Mill Co., Ashland, Ky., asks for C. P. to install a low-power radio telephone transmitter in office of their yard locomotive dispatcher, in order to communicate with yard locomotives which operate within a radius of $2\frac{1}{2}$ miles, and which will be equipped with similar transmitters; also, on Locomotive, Ashland, Ky., asks for license to operate low-power radio-telephone transmitter on one of their yard locomotives, 2440 kc., 50 watts; WTFI, Toccoa Falls Inst., Toccoa, Ga., asks for C. P. to move studio and transmitter from Toccoa to Cox College, College Park, Ga., and make changes in equipment; O. O. Black, Birmingham, Ala., asks for C. P. 1010 kc., 500 watts daytime 250 w. night, unlimited time; also portable to test for location (This application which was originally for 1200 kc. was set for hearing and is now amended as above); KGJF, National Radio Mfg. Co., Oklahoma City, Okla., asks for C. P. to extend completion date to 10/26/30; WCDA, Italian Educational Broadcasting Co., New York City, asks for modification of license to change hours of operation from sharing with WKDQ, WMSG, and WBNY to unlimited; KFGQ, Doone Biblical College, Boone, Ia., asks for modification of license to increase hours of operation (now has 1310 kc., 100 w., sharing with KFJY and KWCR); WCAH, Commercial Radio Service Co., Columbus, Ohio, asks for modification of license to increase power from 500 w. to 1 KW day and 500 w. night.

Applications Dismissed

The following were set for hearing but applicants have desired to withdraw; William H. Heinz, Trustee, Seaboard Broadcasting Corp., Ltd., requested C. P. to erect new station, 860 kc., 1 KW, unlimited time; Indiana's Community Broadcasting Corp., requested C.P. for new station 590 kc., 500 w.; Myron E. Kluge, Scottsbluff, Neb., requested C. P. to erect experimental station to use 6000-6150 kc., 2 KW; WDSU, Joseph H. Uhalt, New Orleans, La., requested C. P. to install new equipment, change frequency to 850 and power to 5 KW, also modification of license to change frequency and hours of operation; Williamson Motors, Inc., Vivian, La., requested C. P. to erect new station to use 1210 kc., 10 watts, unlimited time; KWLC, Luther College, Decorah, Ia., requested modification of license for additional hours of operation; Omaha Tanning Co., Omaha, Nebraska, requested C. P. to erect new station to operate on 710 kc., 1 KW, unlimited time; WFJC, W. F. Jones Broadcasting, Inc., Akron, Ohio, requested C. P. to install new equipment, change frequency to 900 kc., increase power to 1 KW and unlimited time.

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SECOND ZONE STATIONS ASK MAXIMUM POWER

Stations WWJ, Detroit; WHAS, Louisville; and WCAU, Philadelphia appeared before the Federal Radio Commission the first three days of this week, asking for permission to use 50 KW.

Station WWJ, represented by Frank D. Scott, also made application to change its frequency from 920 kilocycles, a regional channel, to 1170 kilocycles, the channel now occupied by Station WCAU. John V. L. Hogan was the star witness for WWJ, testifying that better radio service would result from the granting of the station's request. Warren S. Booth, Treasurer of the Detroit Evening News Association, operators of the station, and Walter R. Hoffman, director of the station, were also witnesses.

Credo F. Harris, of Station WHAS, declared that the maximum power was necessary in order to give a reasonable radio coverage to the State of Kentucky.

Mabel Walker Willebrandt, well known in aviation litigation, made her first appearance before the Federal Radio Commission as counsel for Station WCAU. Leon Levy, President of the Universal Broadcasting Company, which operates Station WCAU, was the first witness in behalf of the station. Mr. Levy testified that during the first six months of the current year the station did a business of \$241,330 and is expected to do equally as well for the second half of the year.

Mr. Levy said his company was prepared to expend \$300,000 for the new transmitter. If the application is granted, the station will move to a new site either at Philmont, Pa., or Valley Forge.

Radio reception in and around Philadelphia, according to Mr. Levy, is unsatisfactory because of lack of power, absorption by buildings, and distance of points from transmitter.

According to the unit system worked out by the Commission engineers, Pennsylvania is farther below its quota than any other State, and if the 50 KW is allowed, it still would not be above the quota.

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HENDERSON SPIKES BANKRUPT RUMORS

W. K. Henderson, owner and operator of Station KWKH, of Shreveport, La., emphatically spiked rumors that he was bankrupt, at the second day of his hearing before the Federal Radio Commission. In answer to a question he stated he had more than a million dollars above his debts and about a half million in life insurance.

The "Hello World" broadcaster readily admitted that he heads the Merchant Minute Men's Association, an unincorporated organization of 35,000 members (at \$12 each), designed to fight the chain grocery stores.

Speaking of his "Hello World" coffee, Mr. Henderson admitted that it was not worth the \$1 charged for it but added that the difference was used to aid the anti-chain campaign. He also declared that he had refused profitable advertising contracts because he didn't approve of the advertisers.

The Rev. Wallace A. Burk, priest of Loyola University, New Orleans, which operates Station WWL, later testified that the reason his station would not sell time to KWKH was that the school does not approve of the language used by Mr. Henderson while broadcasting.

While the hearing was in progress, two attorneys, William J. Jamieson and Herbert S. Ward filed suit in the District Supreme Court against Mr. Henderson on alleged back fees. They stated that they had successfully defended his station before the Commission and had asked \$2,250. They were paid only \$250.00.

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SENATOR APPEARS IN BEHALF OF BROADCAST APPLICANT

Senator Caraway, of Arkansas, appeared before the Federal Radio Commission Examiner September 24th in behalf of the application of the Arkansas Agricultural and Mechanical College, of Jonesboro, for permission to operate a station on 1120 kilocycles with unlimited time. The erection of the station was opposed by Station KBTM, of Paragould, Ark., 18 miles from Jonesboro.

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