

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

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No. 470

SUBSCRIPTION PRICE, \$10. PER MONTH. NO CONTRACT REQUIRED.

COLUMBIA PUBLISHES 10-CITY SALES SURVEY

Columbia has just put out in handsome book form the results of the survey made by Robert F. Elder, Assistant Professor of Marketing, of the Massachusetts Institute of Technology, Cambridge, Mass. Professor Elder, in the Department of Business and Engineering Administration, sent 100,000 questionnaires to 10 representative cities - Baltimore, Boston, Buffalo, Chicago, Los Angeles, Minneapolis, Philadelphia, Providence, Syracuse and Toledo.

Statistics of the survey are tabulated in great detail, and the book is titled, "Does Radio Sell Goods?" The aggregate increase in the use of tooth pastes, shaving soaps, toilet soaps, scouring powders, flours, shortenings, cigars, cigarettes and collars is shown in radio homes compared to non-radio homes. Gains in radio homes for radio advertised products are shown by individual categories, individual brands and by individual cities.

"An ex-waif, ex-egg-trickster, ex-gentleman-in waiting, who knew the earth was round, is usually pictured calm and quiet on a poopdeck as he sighted land that proved his reckonings were right", the Foreword of the book reads.

"Maybe that's the way it was. Maybe.

"But we find it hard to preserve a proper calm at the end of this lesser trip of scientific exploration. The outcome of Professor Elder's study, while it merely proves many reckonings right, seems to beg for a healthy huz-zah and a kicking of statistical heels.

"Radio . . . ex-waif of the air, ex-trickster of crystal-set days, gentleman-in-waiting (at the twist of a dial) to the American family . . . is here revealed not merely as a 'good-will move' by national advertisers, but as a 'will-move-goods' attack upon the nation's richest markets.

"Professor Elder's survey gauges this attack with the precision of an engineering formula."

The book, "Does Radio Sell Goods?" was gotten up by John Karol, Director of Market Research for the Columbia Broadcasting System.

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RADIO QUOTAS AFFECTED BY CENSUS IN THIRTY-THREE STATES

The computations of the population figures for the United States as made by the Bureau of the Census in 1930, will be formally adopted by the Federal Radio Commission as the basis of distribution of broadcasting facilities among the 48 States.

Thirty-three States, the District of Columbia and Porto Rico were affected by the new census, with 16 States gaining radio facilities and 17 States losing facilities. The District of Columbia gained .02 of one unit, while Porto Rico lost the same amount.

A unit is defined in Commission regulations as the equivalent of one station of 1,000 watts power operating full time on a regional channel. Other classes of stations are rated on this basis as to their unit values, with a station operating on a cleared channel with full-time and 5,000 watts power or more classified as five units.

No State gained more than .05 of a unit as a result of the adoption of the new census figures, New Jersey benefitting to that extent. The greatest loss, in the case of Kentucky, was .04 of one unit. Indiana and Utah each gained .03 of a unit, while New York lost that amount, with the remaining States losing or gaining .02 of a unit or less.

Together with the tabulation showing the differences between the quota units due under the preliminary figures heretofore used and the Fifteenth Census figures, the Commission made public a revision of the quota of radio facilities due each State, according to these figures, together with the percentage of facilities due each State in the zones in which they are located. A tabulation showing the over-quota and under-quota status of the States, according to the revised figures, was not made public. Approximately one-half of the States are over-quota. The announcement follows in full text:

Upon motion duly made and carried, the Commission today adopted the figures officially released by the Bureau of the Census of the Department of Commerce in its "Fifteenth Census of the United States, 1930, Volume 1 - Population; Number and Distribution of Inhabitants" as the basis for computing the quota of radio facilities due each State under the Radio Act of 1927 as amended, and directed that these figures be used from this date in determining the quota allocation as specified by law.

The differences between the quota units due under the "Preliminary Figures" and the "Fifteenth Census Figures" are as follows:

New Jersey, +.05; Kentucky, -.04; New York, -.03; Indiana, +.03; Utah, +.03; Connecticut, +.02; Porto Rico, -.02; District of Columbia, +.02; New Hampshire, -.02; Ohio, +.02; Alabama, -.02; Louisiana, +.02; Illinois, +.02; Minnesota, -.02; Nebraska, -.02; Colorado, -.02; New Mexico, -.02; Massachusetts, -.01; Maryland, -.01; Pennsylvania, -.01; Michigan, +.01; Virginia, +.01; West Virginia, +.01;

North Carolina, -.01; Georgia, +.01; Arkansas, -.01; South Carolina, +.01; Missouri, -.01; Wisconsin, +.01; Kansas, -.01; South Dakota, +.01; North Dakota, -.01; California, +.01; Washington, -.01; Montana, +.01.

The new tabulation follows:

Revision of quota of radio facilities due each State, according to figures released by the Bureau of the Census of the Department of Commerce in its "Fifteenth Census of the United States: 1930:"

FIRST ZONE

	<u>Population</u>	<u>Pct. Zone fac. due</u>	<u>Quota Units due</u>
New York	12,588,066	43.83	35.07
Massachusetts	4,249,614	14.80	11.34
New Jersey	4,041,334	14.07	11.26
Maryland	1,631,526	5.68	4.55
Connecticut	1,606,903	5.60	4.48
Porto Rico	1,543,913	5.38	4.30
Maine	797,423	2.78	2.22
Rhode Island	687,497	2.39	1.91
Dist. of Columbia	486,869	1.69	1.35
New Hampshire	465,293	1.62	1.29
Vermont	359,611	1.25	1.00
Delaware	238,380	.83	.67
Virgin Islands	22,012	.08	.06
Total	28,718,441	100.00	80.00

SECOND ZONE

Pennsylvania	9,631,350	34.54	27.63
Ohio	6,646,697	23.84	19.07
Michigan	4,842,325	17.36	13.89
Kentucky	2,614,589	9.38	7.50
Virginia	2,421,851	8.68	6.95
West Virginia	1,729,205	6.20	4.96
Total	27,886,017	100.00	80.00

THIRD ZONE

Texas	5,824,715	20.27	16.22
North Carolina	3,170,276	11.03	8.82
Georgia	2,908,506	10.12	8.10
Alabama	2,646,248	9.21	7.37
Tennessee	2,616,556	9.11	7.29
Oklahoma	2,396,040	8.34	6.67
Louisiana	2,101,593	7.31	5.85
Mississippi	2,009,821	7.00	5.60
Arkansas	1,854,482	6.45	5.16
South Carolina	1,738,765	6.05	4.83
Florida	1,468,211	5.11	4.09
Total	28,735,213	100.00	80.00

	<u>Population</u>	<u>Pct. Zone Fac. Due</u>	<u>Quota Units due</u>
<u>FOURTH ZONE</u>			
Illinois	7,630,654	28.15	22.52
Missouri	3,629,367	13.39	10.71
Indiana	3,238,503	11.05	9.56
Wisconsin	2,939,006	10.84	8.67
Minnesota	2,563,953	9.46	7.57
Iowa	2,470,939	9.12	7.30
Kansas	1,880,999	6.94	5.55
Nebraska	1,377,963	5.08	4.06
South Dakota	692,849	2.56	2.05
North Dakota	680,845	2.51	2.01
Total	27,105,078	100.00	80.00

<u>FIFTH ZONE</u>			
California	5,677,251	46.07	36.86
Washington	1,563,396	12.69	10.15
Colorado	1,035,791	8.40	6.72
Oregon	953,786	7.74	6.19
Montana	537,606	4.36	3.49
Utah	507,847	4.12	3.30
Idaho	445,032	3.61	2.89
Arizona	435,573	3.53	2.83
New Mexico	423,317	3.44	2.75
Hawaii	368,336	2.99	2.39
Wyoming	225,565	1.83	1.46
Nevada	91,058	.74	.59
Alaska	59,278	.48	.38
Total	12,323,836	100.00	80.00

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PRICE MENTIONED IN NEW A. T. & T. PROGRAM

Mention of price on a chain program of one of the major networks was heard for the first time, at least to the knowledge of this writer, in the A. T. & T. offering sponsored by various telephone companies locally, "Music Over the Wires", broadcast by Columbia last Sunday night. It was when the announcer said that a long-distance telephone call might be made at the night rate between New York and St. Louis for "less than \$2.00."

The advertising announcements on this program, however, were handled with discretion and the time allotted to advertising was held down to the minimum.

The program itself, conducted by Savino, and orchestra and a vocal chorus assisted by Frank Moulan, was one of the best heard this season and holds forth much promise. It is scheduled for 7:15 E.S.T., every Sunday evening.

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RECOMMEND IDENTICAL FACILITIES FOR KWKH-WWL

In order that the long dispute between Station KWKH, operated by W. K. Henderson, at Shreveport, La., and Station WWL, Loyola University, New Orleans, La., may be settled without any show of partiality, Examiner Elmer W. Pratt has recommended that the Federal Radio Commission give the stations identically the same facilities.

Station WWL asked that it be given full time on the shared wavelength - 850 kilocycles - and be allowed to increase its power from 5,000 to 10,000 watts. The time increase was recommended.

In a previous report (No. 59) dealing with the application of KWKH for full time and removal of WWL from 850 kilocycles, and for increase in power from 10,000 to 30,000 watts, Mr. Pratt had recommended an outright denial. The report and recommendation on that hearing, held in September 1930, was combined with the report (No. 249) on the WWL application.

The Loyola application, Mr. Pratt pointed out, requests authority to construct a new modern transmitter at a distance of about eight miles from New Orleans, with 10,000 watts, and with unlimited time. He concluded that the application for increase in power would enable WWL to improve and extend its service in the furtherance of adult education "and in the promotion of trade and good will between the United States and such Latin-American countries as its programs reach."

Moreover he said the increase in power on the 850 kilocycle cleared channel "will promote the economical and efficient use of radio facilities by improving and increasing service on that channel."

Other recommendations made to the Commission were that:

KOCW, Oklahoma College for Women, Chickasha, Okla., renewal of license be granted; that the voluntary assignment of license to J. T. Griffin be granted; and that J. T. Griffin be allowed to move transmitter and studio of KOCW to Muskogee, Okla.; install new equipment, provided it operates on 1400 kc., such hours only as Station KUOA, at Fayetteville, Ark., 1390 kc., is not operating.

WCDA, Italian Educational Broadcasting Co., Inc., New York City, for construction permit be denied.

KTFI, Twin Falls, Idaho, and H. B. Read, Salem, Oregon, construction permits be denied and exception filed by former overruled.

G. L. Burns, Brady, Texas, construction permit for new station be denied.

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RADIO STATION DEFIES FEDERAL LICENSING BODY

Outcome of the Government's attempt to halt broadcasting at radio station WGM, Jeannette, is awaited with interest in the radio world, for a number of similar cases are reported as pending, according to a United Press dispatch from Jeannette, Pa.

The Federal Radio Commission, U. S. radio czars, seek to stop broadcasting on the ground that WGM broadcasts beyond the State boundaries and that a Federal license therefore is required.

Lee Elton Spencer, owner and operator, who twice has been arrested and who declares he will carry his case to the Supreme Court if necessary, maintains the station cannot be heard outside of Pennsylvania.

Spencer is going ahead with plans for erection of a larger and better equipped broadcasting station on Gobber's Knob, despite the fact he may be tried at the next term of Federal Court.

"The law reads that any station which broadcasts outside the boundaries of the State requires a Federal license", Spencer said. "I have conducted tests which showed WGM's waves were confined to Pennsylvania.

"Recently I was charged with operating without a license because it was claimed WGM was heard in other States. I will fight that charge to the end, if it takes me to the Supreme Court."

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GENERAL HARBORD TELLS THEM

There was a flash of the old wartime leader in General Harbord telling the American Legion to drop the "bonus tin cup." The incident, which was played up on the first page of most of the newspapers of the country, was reported by Edward T. Folliard in the Washington Post of September 15th, as follows:

"That great favorite of the doughboys in 1917-18, Maj. Gen. James Guthrie Harbord, U.S.A., retired, appeared before the American Legion Unemployment Conference here yesterday and indulged in some plain blunt talk.

"If, he said, the American Legion, at its Detroit convention next week, adopts an unemployment relief program and at the same time asks for further loans on the war bonus, the country will laugh at it.

"I cannot", said the man who rose from buck private to Major General, "imagine anything more ridiculous than for you to go down to Detroit with a program of relief for the whole country, and at the same time hold out an empty tin cup."

About every so often, General Harbord speaks his mind fully and freely. This was particularly done in his book, "Leaves From A War Diary", which is an outspoken and valuable contribution to the history of the World War.

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: BUSINESS LETTER BRIEFS :
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By order of the Spanish Ministry of Communications, a Technical Committee of Radio Communication has been created to study technical problems of radio communication and to make plans for the International Radiotelegraphic Conference which is scheduled to be held in Madrid, in 1932, according to a report received in the Department of Commerce from Assistant Trade Commissioner Katherine Elliott at Madrid.

The home of Station WCAO, the Columbia outlet in Baltimore, is an old mansion. Its age, according to J. T. Lyons, Vice-President of the company operating the station, is 110 years, probably one of the oldest structures housing a broadcasting station in the United States.

J. C. Rosenthal, General Manager of the American Society of Composers, Authors and Publishers, is back on the job after a long rest.

A book on television entitled "Telivision - Its Methods and Uses" has been written by Edgar Felix. The publisher is McGraw-Hill Book Company, New York City. This consists of 272 pages, 73 illustrations, and the price is \$2.50.

In this book, which was the August selection of the Scientific Book Club, the present status of the television art is accurately defined.

Radio people listed among those holding high life insurance policies are S. L. Rothafel ("Roxy"), New York City, \$2,401,200, and Powel Crosley, Jr., Cincinnati, \$1,000,000. The former is a personal policy and the latter a business policy. Will Rogers, the comedian, and John McCormick are each insured for \$1,000,000.

A member of the famous automobile family, Clement Studebaker, III, of South Bend, Ind., has bought the Fricker-Irvine patents for suppressing inductive interference in radio sets and minimizing fading, from William C. Grunow, of the Grigsby-Grunow Company, the latter still holding an interest in them.

The Directors of the Western Electric Company omitted on Tuesday the quarterly dividend due at this time. A dividend of 75 cents was declared three months ago, and \$1 a share was paid for the first quarter of 1931. The announcement said that "owing to decreased volume of sales, the Directors took no action on the dividend." A total of 5,900,493 shares of the company's 6,000,000 shares is owned by the American Telephone and Telegraph Company.

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\$65,000,000 MORTGAGE PLACED BY RADIO CITY

Completion of the senior financing for the ten buildings of Radio City was announced Tuesday by representatives of John D. Rockefeller, Jr., and his associates in the \$250,000,000 development.

A mortgage loan of \$65,000,000 reported to be the largest of its kind ever arranged, has been placed by Todd, Robertson, Todd Engineering Corporation and Todd & Brown with the Metropolitan Life Insurance Company in the form of bonds to be issued in serial form as the work on the project progresses. The bonds will carry what is considered to be a low rate of interest for a commercial building enterprise, 5 per cent.

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FOREIGN TRADE OPPORTUNITIES

The Bureau of Foreign and Domestic Commerce in Washington reports the following radio inquiries, and information concerning same may be obtained from the Bureau and its district and cooperative offices by duly registered firms and individuals upon written request by opportunity number.

Radio sets, battery-operated and electric *53810	Lisbon, Portugal	Agency
Radio sets, midget and standard electric models 153755	Montevideo, Uruguay	Purchase & Agency
Radio sets and parts, high-powered and television equipment *53791	Fusan, Japan	Agency
Cabinets for radio sets and radio-phonograph combinations 153818	Tokyo, Japan	Purchase
Phonographs and records *53791	Fusan, Japan	Agency

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STANDARD CALIBRATION SIGNALS SCHEDULE

The Bureau of Standards announces a new schedule of radio transmissions of standard frequencies. This service may be used by transmitting stations in adjusting their transmitters to exact frequency, and by the public in calibrating frequency standards and transmitting and receiving apparatus. The signals are transmitted from the Bureau's Station WWV, Washington, D. C., every Tuesday afternoon and evening. They can be heard and utilized by stations equipped for continuous-wave reception throughout the United States, although not with certainty in some places. The time schedules are different from those of previously announced transmission. The only frequency utilized is 5,000 kilocycles. The accuracy of the frequency is at all times much better than a part in a million.

The transmission are by continuous-wave telegraphy at 5,000 kilocycles. They are given continuously from 2 to 4 P.M., and from 8 to 10 P.M., E.S.T., every Tuesday throughout October, November and December (except Dec. 29). The dates are Oct. 6, 13, 20, 27; Nov. 3, 10, 17, 24; and Dec. 1, 8, 15, 22.

The transmission consist mainly of continuous unkeyed carrier frequency, giving a continuous whistle in the receiving phones. The first five minutes of the transmission consist of the general call (CQ de WWV) and announcements of the frequency. The frequency and the call letters of the station (WWV) are given every 10 minutes thereafter.

Information on how to receive and utilize the signals is given in Bureau of Standards Letter Circular No. 280, which may be obtained by addressing a request to the Bureau of Standards, Washington, D. C. From the 5,000 kilocycles any apparatus may be given as complete a frequency calibration as desired by the method of harmonics.

Since the start of the 5,000 kilocycle transmission at the beginning of this year, the Bureau of Standards has been receiving reports regarding the reception of these transmissions, and their use for frequency standardization, from nearly all parts of the United States, including the Pacific Coast and Alaska. The Bureau is desirous of receiving more reports on these transmission, especially because radio transmission phenomena change with the season of the year.

The data desired are approximate field intensity, fading, and the suitability of the transmission for frequency measurements. It is suggested that in reporting upon field intensities for these transmissions, the following designations be used where field intensity measurement apparatus is not at hand; (1) Hardly perceptible, unreadable; (2) weak, readable now and then; (3) fairly good, readable with difficulty; (4) good, readable; (5) very good perfectly readable.

A statement as to whether fading is present or not is desired, and if so, its characteristics, such as whether slow or rapid and time between peaks of signal intensity. Statements

as to type of receiving set used in reporting on the transmissions and the type of antenna used are likewise desired. The Bureau would also appreciate reports of the use of the transmissions for purposes of frequency measurement or control.

The Bureau would also appreciate comment from all users of the service on the times of day when the transmissions are most useful.

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GEORGE B. PORTER REPLACES SPEARMAN

The new Assistant Chief Counsel of the Federal Radio Commission is George B. Porter, who joined the legal staff of the Commission February 24, 1931. Mr. Porter was formerly employed by the Interstate Commerce Commission and is the son of Commissioner Claude R. Porter. He replaces Paul D. P. Spearman who resigned to join the law firm of Littlepage & Littlepage.

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APPLICATIONS RECEIVED BY FEDERAL RADIO COMMISSION

Sept. 14 - KQV, KQV Broadcasting Co., Pittsburgh, Pa., license to cover C. P. granted May 15, 1931, to install transmitter; Boston Herald-Traveler Corporation, Boston, Mass., C. P. to erect new station to use 1500 kc., 100 w., unlimited time; W. H. Allen, Eugene Levy and S. B. Pearce, doing business as W. H. Allen & Co., Alexandria, La., C. P. amended as to equipment and to request the facilities of Stations KTSI and KWEA (in terms of units); KRMD, Robert M. Dean, Shreveport, La., modification of license amended to request part time instead of unlimited time.

Sept. 15 - WKZO, WKZO, Inc., Kalamazoo, Mich., license to cover C. P. granted 3/3/31 to move transmitter and studio from Berrien Springs to Kalamazoo, Mich.; WNBW, G. F. Schiessler & M. E. Stephens, d/b as Home Cut Glass and China Co., Carbondale, Pa., C. P. to install new transmitter and increase power from 10 watts to 100 watts; also, C. P. to make changes in equipment and install automatic frequency control; W. G. Jasper, Paris, Texas, C. P. to erect new station amended to request to share time with Station KFJZ instead of with station KFLX; R. E. Willson, Thurman Barrett, and Henry Lee Taylor, d/b as Capitol Broadcasting Company, Austin, Texas, C. P. to erect new station to use 1500 kc., 100 watts, and to share time with Station KUT.

Applications Other Than Broadcasting

Sept. 14 - Round Hills Radio Corp.: W1XV, Dartmouth, Mass., renewal of experimental license for 1604, 2398, 3256, 4795, 6425, 8650, 12850, 17300, 23100, 26000 kc., 500 w.; W1XAN, initial

location South Dartmouth, Mass., renewal of experimental license for 1604, 2398, 3256, 4795, 6425 kc., 500 w.; Arthur Liebscher, Philadelphia, Pa., C. P. for 2850 kc., 100 w., visual broadcasting service; City of Bakersfield, Calif., Bakersfield, Calif., C. P. for 2416 kc., 50 w., police service; KSC, Chilikat Oil Co., Katala, Alaska, renewal of license for 178, 500, 425 kc., 200 w.; Pacific Coast Cement Co.: KSJ, View Cove, Dell Island, Alaska, assignment of license to Superior Portland Cement, Inc., point-to-point service; also, assignment of license to Superior Portland Cement, Inc., coastal service.

Also, RCA Communications, Inc.: at Rocky Point, N. Y., license for 7510 kc., 40 kw., point-to-point service, license for 14785 kc., 40 kw., point-to-point service; KDX, Kahukuk Hawaii, modification of C. P. for change in points of communications to communicate with San Francisco (KWO, Dix, Calif.), and change in power to 50 kw.; KKP, Kahuku, Hawaii, modification of C. P. for change in power to 50 kw., and to communicate with San Francisco, (KWO, Dixon, Calif.).

Sept. 15 - KLH, Pacific Telephone & Telegraph Co., San Francisco, Calif., modification of C. P. for change in frequency to 2550 kc., and to specify exact location near San Rafael, Calif.; KOU, Southern California Telephone Co., in or near Wilmington, Cal., modification of C. P. to specify exact location of station near San Pedro, Calif.; WHQ, Mackinac Radio Service, Mackinac Island, Mich., renewal of coastal license for 410, 425, 454 kc., 2 KW; City and County of Denver, Colorado, new C. P. for 250 watts, no specified frequency, police service; Sanabria Television Corp., Portable, new C. P. for 2000-1900 kc., 250 watts, visual broadcasting service; Universal Broadcasting Corp., Kearney, N. J., new C.P. for 2000-2100 kc., 1 kw., visual broadcasting service.

Also, Aeronautical Radio, Inc.: WSDG, licenses covering C.P.s for 3238, 3244, 3254, 3460, 3468, 3484, 4915 kc., 400 watts, and for 2326, 2344, 4140, 6260, 6275 kc., 400 watts, point-to-point, aeronautical service; WSDO, licenses covering C.P.s for 3238, 3244, 3452, 3460, 3468, 3484, 5600, 5630 kc., 400 watts, and for 2326, 2344, 4140, 6260, 6275 kc., 400 watts, point-to-point, aeronautical service; WSDB, Jackson, Miss., modification of license for additional frequencies of 3238, 3244, 3452, 3460, 3468, 5600 kc.; at Fort Worth, Texas, new C. P. for 3160, 3166, 3172, 3178, 5570 kc., 50 watts, aeronautical service.

Also, WPDN, City of Auburn, N. Y., modification of C. P. for extension of completion date to 1/8/32, police service; WHA, Commonwealth of Pennsylvania, State Police, Harrisburg, Pa., license to cover C. P. for 257 kc., 300 watts, police service; WPDU, City of Pittsburgh, Pittsburgh, Pa., renewal of license, police; WPDV, City of Charlotte, N. C., renewal of license, police; KVP, City of Dallas, Dallas, Texas, renewal of license, police; KGPO, City of Tulsa, Oklahoma, license to cover C. P. for 2452 kc., 100 w., police.

Also, Bell Telephone Labs., Inc.: W2XDG, Ocean Twp., N. J., W2XDH, Portable in N. J.; W2XDI, Portable in New Jersey, W2XDJ, Ocean Township, N. J., renewal of special experimental licenses for 4752.5, 6755, 8560, 9170, 9750, 9870, 12840, 13390, 10550, 14470, 14590, 16270, 18340, 19220, 21060, 17120, 21420, 3422.5, 19820 kc., 5 KW, 1 KW, 1 KW and 25 KW, respectively; W2XDE, Portable on truck in

State of N. J., renewal of special experimental for 1608, 2302, 3076, 4108, 5510, 6155, 6200, 6600, 7000, 7400, 7700, 3106 kc., 400 watts & 50 w.

12 applications from Press Wireless, Inc., have been withdrawn at request of applicant, namely: WEE, Hicksville, N.Y. (5 applications); WJA, Chicago, Ill., (3 applications); WJM, Washington, D. C. (3 applications); WJK, Needham, Mass., 1 application.

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DECISIONS OF THE FEDERAL RADIO COMMISSION

September 14 - the following applications were granted:

WAIU, American Insurance Union, Columbus, Ohio, consent to voluntary assignment of license to Associated Radiocasting Corp.; KSEI, KSEI Broadcasting Association, Inc., Pocatello, Idaho, consent to voluntary assignment of license to Radio Service Corp.; WKDL, Pan American Airways, Inc., Miami, Fla., special permission to operate WKDL for a temporary period not to exceed 30 days for the purpose of handling emergency messages with the understanding that the handling of press messages and routine messages shall not cause interference to the service carried on by other stations; WRH, American Radio News Corporation, Carlstadt, N. J., permission to operate for a temporary period not to exceed 10 days for purpose of handling emergency messages

Also, San Francisco Chronicle, on yacht in San Francisco Bay between Golden Gate points, C. P. for temporary use, Sept. 13 to 20, 1,564 kc., 50 w.; WLOXAO, National Broadcasting Co., Inc., New York City, authority to operate Sept. 15 to 30, inclusive; Mutual Telegraph Co., in Hawaii, point-to-point licenses for eight stations in Hawaii; WGXAC, Fred W. Christian, Los Angeles, Calif., extension of time 60 days, to complete construction from Sept. 7th.

Renewal of Licenses:

WBRC, Birmingham Broadcasting Co., Inc., Birmingham, Ala.; KFUL, The News Publishing Co., Inc., Galveston, Texas; KGCA, Charles W. Greenley, Decorah, Iowa; KFKU The University of Kansas, Lawrence, Kans.; KFWI, Radio Entertainments, Ltd., San Francisco; KLCN, Charles Lee Lintzenich, Blytheville, Ark.; KRGV, KRGV, Inc., Harlingen, Tex.; KRSC, Radio Sales Corp., Seattle, Wash.; KTSA, Lone Star Broadcast Co., Inc., San Antonio, Tex.; KWKG, Brownsville Herald Publishing Co., Brownsville, Texas.; KROW, Educational Broadcasting Corp., Oakland, Calif.; KTRH, The Rice Hotel, Houston, Tex.; KWLC, Luther College, Decorah, Iowa.

Reconsidered And Granted

In the following cases the Commission reconsidered its action of August 7 and 14, respectively, and granted renewal of licenses for term beginning 3 A.M., E.S.T., Oct. 1, and ending

according to Special Minute No. 360, adopted April 16, 1931:

KMA, May Seed and Nursery Co., Shenandoah, Iowa; KGBZ, Dr. George R. Miller, York, Nebr.

Set For Hearing

WCHI, Peoples Pulpit Association, Chicago, Ill., (this case is set for hearing because from past operation it would seem ~~in~~ the station has not been operating in the public interest); WSBO, Babson's Statistical Association, Needham, Mass., assignment of license set for hearing, because it would seem proposed assignment will not be in public interest, the proposed assignee is not organized in accordance with law, the officers of proposed assignee are not qualified as such, and proposed assignee will not perform a public service.

WRAK, Clarence R. Cummins, Williamsport, Pa., renewal of station license; Press Wireless, Inc., Los Angeles, Calif., requests C. P., public point-to-point service; WJM, Press Wireless, Inc., Washington, D. C., and WJN, Hicksville, N. Y., requests C. P. for new transmitter and for point-to-point press service respectively; KVI, Puget Sound Broadcasting Co., Inc., Tacoma, Wash., requests modification of license to change frequency from 760 to 570 kc., and change hours of operation from limited to unlimited.

Miscellaneous

WTAQ, Gillette Rubber Co., Eau Claire, Wis., the Commission reconsidered its action of Sept. 11 in declaring the application of this station for renewal of license in default, and reinstated the case permitting the applicant to be heard at some future date; KSCJ, Perkins Bros., Sioux City, Iowa, the Commission reconsidered its action of Sept. 11 in declaring the application of this station for renewal of license in default, and reinstate the case permitting the applicant to be heard at some future date.

In addition to the above, the Commission granted 118 amateur licenses, many to new applicants, some were modification of existing licenses and others were renewals.

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PATENTS, PATENT SUITS, TRADE-MARKS, PRINTS

The following patents were granted during the week ending September 15, 1931:

- 1,822,892. Phonograph. Arthur A. Johnson, Bridgeport, Conn., assignor to Dictaphone Corp., Bridgeport, Conn. Filed April 1, 1924.
- 1,822,899. Safety Pad For Shipping Radio Sets And The Like. Harry Malis, Philadelphia, Pa. Filed January 29, 1930.
- 1,822,922. Amplifying System. Charles A. Culver, Northfield, Minn., assignor to Wired Radio, Inc., New York, N. Y. Filed August 3, 1928.
- 1,822,928. Piezo Electric Plate. August Hund, Bethesda, Md., assignor, by mesne assignments, to Federal Telegraph Company. Filed September 30, 1925. Renewed July 8, 1929.
- 1,822,929. Filter Circuit. August Hund, Bethesda, Md., assignor, by mesne assignments, to Federal Telegraph Co. Filed May 12, 1927.
- 1,822,932. System and Apparatus For the Electric Recording and Reproducing Of Sound. Matthew H. Loughridge, Bogota, N. J. Filed Nov. 2, 1928.
- 1,822,996. Electrical Balance Circuit. Carlos B. Mirick, Washington, D. C., assignor, by mesne assignments, to Federal Telegraph Co. Filed December 3, 1927.
- 1,823,066. Power Supplying Means For Radio Receiving Apparatus. Lazarus Shapiro, New York, N. Y., assignor to Radio Corp. of America. Filed January 9, 1923.
- 1,823,072. Rectifier Relay Circuit. Dietwalt Thierbach, Charlottenburg, Germany, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Filed July 31, 1926, and in Germany Sept. 15, 1925.
- 1,823,084. Record Magazine For Talking Machines. Horace Leopold Tucker Buckle, Iver Heath, England, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Filed December 28, 1927, and in Great Britain January 7, 1927.
- 1,823,118. Eccentric Drive Cone Loud Speaker. Alexander McLean Nicolson, New York, N. Y., assignor, by mesne assignments, to Federal Telegraph Co. Filed March 11, 1927.

- 1,823,162. Electrical Reproduction Of Sound From Records. Laurence Herbert Pearson and Claude Marshall, Nottingham, England. Filed February 12, 1930.
- 1,823,177. Transmitting System. Arthur M. Trogner, East Orange, N. J., assignor to Radio, Inc., New York, N. Y. Filed March 26, 1929.
- 1,823,322. Wave Transmitting and Amplifying. Raymond A. Heising, Millburn, N. J., assignor to Western Electric Co., Inc., New York, N. Y. Filed December 30, 1921. Renewed November 6, 1928.
- 1,823,327. Shielding for Radio Frequency Amplifiers. William A. McDonald, Little Neck, and Fred E. Johnston, Flushing, N. Y., assignors to Hazeltine Corporation, Jersey City, N. J. Filed December 24, 1927.
- 1,823,329. Piezo Electric Device. Warren A. Marrison, East Orange, N. J., assignor to Western Electric Company, Inc., New York, N. Y. Filed August 26, 1924.
- 1,823,331. Vacuum Tube Socket. William J. Murdock, Chelsea, Mass., assignor to Hazeltine Corporation, Jersey City, N. J. Filed Dec. 5, 1927.
- 1,823,360. Signaling System. Raymond A. Heising, Millburn, N.J., assignor to Western Electric Co., Inc., New York, N.Y. Filed July 6, 1925.
- 1,823,373. Electrical Tube. Israel C. Orswell, Medford, Mass., assignor to The Amrad Corporation, Medford, Mass. Filed June 23, 1926, renewed Feb. 26, 1930.
- 1,823,457. Wave Reproducing Device and Process Concerning The Same. Charles P. Madsen, New York, N. Y., assignor, by mesne assignments, to William W. Varney, Baltimore, Md. Filed August 5, 1924.
- 1,823,492. Condenser Testing Equipment. Harry W. Houck, New York, N. Y., assignor to Dubilier Condenser Corporation, New York, N. Y. Filed Feb. 25, 1927.
- 1,823,512. Loud Speaker. Abraham Ringel, Brooklyn, N. Y., assignor to Radio Corporation of America. Filed October 22, 1927.
- 1,823,530. Electric Phonograph Stop. Daniel Henry Chason, Elizabeth, N.J., assignor to Diehl Manufacturing Co., Elizabeth, N. J. Filed October 18, 1929.
- 1,823,533. Phonograph Turntable. Frederick Diehl, Elizabeth, N. J., assignor to Diehl Manufacturing Co., Elizabeth, N. J. Filed Oct. 11, 1930.

- 1,823,555. Electric Phonograph Motor. James M. Naul, Plainfield, N. J., assignor to Diehl Manufacturing Co., Elizabeth, N. J. Filed October 11, 1930.
- 1,823,592. Power Supply for Radio Receiving Sets. Henri S. de Malaussene, Los Angeles, Calif., assignor, by mesne assignments, to A. L. Bernheimer, Santa Monica. Calif. Filed November 24, 1926.
- 1,823,603. Sound Reproducing Apparatus. Arthur J. Haynes, Port Haney, British Columbia, Canada. Filed June 28, 1929.
- 1,823,659. Wave Transmission System. Robert A. Miller, Plainfield, N. J., assignor to Bell Telephone Laboratories, Inc., New York, N. Y. Filed Sept. 12, 1929.
- 1,823,666. Tuning Means. Harold O. Peterson, Riverhead, N. Y., assignor to Radio Corporation of America. Filed March 27, 1929.
- 1,823,684. Rectifying System. Arthur Gaudenzi, Baden, Switzerland, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland, Filed Dec. 6, 1928, and in Germany December 10, 1927.
- 1,823,687. System For Frequency Translation of Electric Waves. Raymond A. Heising, Millburn, N. J., assignor to Western Electric Co., Inc., New York, N. Y. Filed December 26, 1928.
- 1,823,716. System for Producing Music. Charles J. Young, Ardmore, Pa., assignor to General Electric Company. Filed May 22, 1930.
- 1,823,724. Musical Instrument. Wendell L. Carlson, Camden, N. J., assignor to General Electric Company. Filed May 22, 1930.
- 1,823,779. Electrical Synchronous Braking Device. Rene Barthelemy, Fontenay-aux-Roses, Seine, France, assignor to compagnie pour la Fabrication des Compteurs et Material d'Usines a Gaz, Montrouge, Seine, France. Filed October 6, 1930, and in France April 8, 1930.
- 1,823,780. Battery Charging System. Raymond C. Benner, Bayside, N.Y. assignor to Union Carbide & Carbon Research Laboratories, Inc. Filed June 28, 1924.
- 1,823,794. Wireless Transmission System. Abraham Esau, Jena, Germany. Filed Oct. 25, 1927, and in Germany Oct. 29, 1926.
- 1,823,837. Method Of and Apparatus For Changing Voltage. Benjamin F. Miessner, South Orange, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Filed March 21, 1927.

- 1,823,851. Method Of Generating Three Phase High Frequency Current. Salvatore A. Barone, Woodside, N. Y., assignor, by mesne assignments, to Federal Telegraph Co., San Francisco, Calif. Filed Feb. 17, 1926.

Patent Suits

- 1,173,079, E. F. Alexanderson, Selective tuning system; 1,195,632, W. C. White, Circuit connections of electron discharge apparatus; 1,251,377, A. W. Hull, Method of and means for obtaining constant direct current potentials; 1,297,188, I. Langmuir, System for amplifying variable currents; 1,728,879, Rice & Kellogg, Amplifying system, D. C., E. D. Mo., E. Div. Doc. 9412, Radio Corp. of America et al. v. Trav-Ler Mfg. Corp. Consent decree July 27, 1931.
- 1,231,764, F. Lowenstein, Telephone relay; 1,426,754, R. C. Mathes, Circuits for electron discharge devices; 1,465,332, H. D. Arnold, Vacuum tube amplifier, D. C., E. D. Mo. E. Div., Doc. 9413, Radio Corporation of America et al. v. Trav-Ler Mfg. Corp. Consent decree July 27, 1931.
- 1,797,205, W. H. Houck, Electron tube apparatus, filed July 29, 1931, D. C., Del. Doc. E 898, Dubilier Condenser Corp. v. National Union Radio Corp. Doc. E 899, Dubilier Condenser Corp. v. Perryman Electric Co., Inc., Doc. E 900, Dubilier Condenser Corp. v. Radio Corp. of America.

Trade-Marks

- Ser. No. 315,775. Williams, Brown & Earle, Inc., Philadelphia, Pa. Filed June 12, 1931. "The Robbins Cineola" for electric pick-ups for use with phonograph disc records, unitary electric audio amplifying mechanism, and unitary electric sound projection devices. Claims use since April 9, 1931.
- Ser. No. 317,654. The Rudolph Wurlitzer Company, Cincinnati, Ohio. Filed Aug. 4, 1931. "WURLITZER" for Radio Receiving Sets and component parts thereof consisting of loud speakers, transformers, fixed and variable condensers; and radio television receiving sets. Claims use since Nov. 1, 1924.

Trade-Mark Registrations Granted

- 287,220. Electrical Electro-Optical, Visual, Sound and Other Message transmission, reproducing and receiving apparatus. Jenkins Television Corp., Jersey City, N. J. Filed July 2, 1930. Published June 23, 1931.
- 287,230. Radio Electron Tubes. Marvin Radio Tube Corp., Irvington, N. J., Filed June 1, 1929. Published August 27, 1929.

287,236. Radio Receiving Sets. Marshall Field & Co., Chicago, Ill.
Filed April 15, 1931. Published June 23, 1931.

287,246. Radio Receiving Sets, Kits For Radio Receiving Sets, Etc.,
Silver-Marshall. Inc., Chicago, Ill. Filed May 16, 1931.
Published **July 7**, 1931

Trade-Mark Registration Not Subject To Opposition

287,301. M. M. Fleron & Son, Inc., Trenton, N. J. Filed April 7,
1930. "Duo Tap" for Radio Aerial and Ground Connectors Used
for Connecting Radio Sets. Claims use since Dec. 16, 1929.

Prints

13,409. Title: Radio's Motive Power Since 1915. For Vacuum Tubes.
E. T. Cunningham, Inc., New York, N.Y. Published June 1,
1931.

13,410. Title: Radio's Motive Power Since 1915. For Vacuum Tubes.
E. T. Cunningham, Inc., New York, N. Y. Published June 1,
1931.

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