

# HEINL RADIO BUSINESS LETTER

INSURANCE BUILDING

WASHINGTON, D. C.

RECEIVED  
MAR 18 1932  
F. A. ARNOLD

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 :: :: **CONFIDENTIAL—NOT FOR PUBLICATION.** :: ::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. 515

B U L L E T I N

JUSTICE DEPARTMENT FILES SUPPLEMENTAL PETITION IN RCA CASE

The following statement was issued by the Department of Justice late this afternoon (Monday):

"The Attorney General filed today with the District Court at Wilmington, Delaware an amended and supplemental petition in the case brought by the United States against the Radio Corporation of America and its associates.

"The new pleading amplifies the petition originally filed and alleges additional facts relating to certain activities of the defendants in foreign trade and international communications, charging them with attempts to restrain commerce between the United States and foreign countries as well as domestic commerce.

"Three new defendants were added because of these allegations, vis. International General Electric Company, Westinghouse International Electric and RCA Communications, Inc. The National Broadcasting Company is also added as a party defendant. The petition alleges that this defendant is owned by the Radio Corporation of America, the General Electric Company and the Westinghouse Electric and Manufacturing Company and that it was organized for the purpose of restraint of competition in the business of nationwide broadcasting.

"Negotiations have been continued for some time between the defendants and the Government and between the defendants themselves with regard to the possibility of creating an open patent pool which would obviate the trial of some of the important issues of the case. The filing of the amended bill does not mean that these negotiations have been broken off but the Government has been going on with its preparations for trial pending the outcome of these negotiations with the purpose of having the case heard this Spring and the filing of the amended bill is in line with these preparations."

Sometime ago the Department of Justice was advised by the Wilmington court that the case would be dropped from the court docket unless there was some action taken by the Department before March 8, 1932.

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## COMPARES COLUMBIA TO PRESS ASSOCIATION

Maintaining that the operation of the Columbia Broadcasting System in furnishing program service to affiliated stations is quite parallel to that of the press associations in supplying news and feature service to their respective member or subscribing newspapers, Harry C. Butcher, Director of the Washington Office of Columbia, has written the following letter to Senator James Couzens, Chairman of the Committee on Interstate Commerce:

"Since there seems to be considerable misapprehension among members of the Congress as to network ownership and control of local broadcasting stations, I believe a simple statement of our precise situation will be of interest.

"The Columbia Broadcasting System owns the following stations:

"WABC, New York, full time on 860 kilocycles, 50 kilowatts, key station of the network; WBBM, Chicago, four-sevenths time on 770 kilocycles, 25 kilowatts, Middlewestern key station of the network; WBT, Charlotte, N. C., full time on 1080 kilocycles, 5 kilowatts, key station of Columbia's Dixie network serving the South; WCCO, Minneapolis, full time on 810 kilocycles, 5 kilowatts, and WKRC, Cincinnati, full time on 550 kilocycles, 1000 watts daytime, 500 regular and 500 experimental night time.

"Columbia also owns 51 per cent of the stock of KMOX, St. Louis, full time on 1090 kilocycles, 50 kilowatts.

"Columbia operates under lease WPG, Atlantic City, which divides time with WLWL, New York City, on 1100 kilocycles, 5 kilowatts. This station is owned by the municipality of Atlantic City.

"Thus you will see that of the 91 stations on the entire Columbia network, Columbia owns outright five, owns the majority of the stock in a sixth, and operates a seventh on lease.

"Stability of network operation and the fact that most of these stations are important origination points for network programs have been the guiding factors in our requiring ownership or control of this group of stations.

"Columbia's contractual arrangements with the other stations on the network are such that all stations have many hours daily to devote to local broadcasts and Columbia does not in any way attempt to dictate their policies beyond doing all in its power to bring every station associated with it into line with its own high standards of entertainment, education and public service.

"It may be of particular interest to you to know that this association of local stations with the Columbia network is a voluntary one on the part of the stations and one which very frequently is sought by stations even at the sacrifice of some immediate revenue."

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## RMA ISSUES STATEMENT ON TELEVISION

Following its policy to advise the public accurately regarding the progress of experiments in developing television, an authoritative statement was issued last Saturday by the Radio Manufacturers' Association. A similar statement was made about a year ago and the new statement, emphasizing that many engineering problems must be overcome before television can be a satisfactory means of home entertainment, was prepared by the Association's Engineering Division which includes all prominent engineers working toward development of television broadcasting and receiving apparatus.

Copies of the statement may be had by addressing the Radio Manufacturers' Association, Inc., 11 West 42nd Street, New York City.

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## RADIO LOTTERY HEARINGS BEGIN MARCH 11

The first radio hearings in the Senate during the present session will be instituted March 11th when the Committee on Interstate Commerce begins consideration of the anti-lottery broadcast bill (H.R. 7716), according to an announcement following an executive session of the Committee on March 5th.

Senator White (Rep.), of Maine, is expected to appear before the Committee in connection with the radio bill as well as representatives of labor. The bill is designed not only to forbid the broadcast by radio of any information concerning any lottery, gift enterprise, or similar scheme offering prizes dependent in whole or in part on lot or chance, but also to clarify and amplify provisions of the Radio Act of 1927 dealing chiefly with procedure and administration.

No attempt has been made in the bill, according to a Committee report in the House, which has passed the bill, to change any provision of substantive law dealing with radio with the exception of the lottery section.

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## GENERAL ELECTRIC VOTES 25¢ DIVIDEND

The Directors of the General Electric Company declared a quarterly dividend of 25 cents a share on the common stock, placing it on a \$1 annual dividend basis, against 40 cents paid quarterly, or \$1.60 annually, since January, 1930, when the stock was split on a four-for-one basis. The old stock received \$1.50 in the first quarter of 1930 before the split-up. In 1929 dividends were \$4 a share and \$2 extra. The regular quarterly dividend of 15 cents a share was declared on the special stock.



The preliminary report for 1931 issued after the meeting showed a net income of \$40,956,996 after depreciation, charges and Federal taxes, equal, after dividends on the special stock, to \$1.33 a share, earned on 28,845,927 common shares, comparing with \$57,490,915, or \$1.90 a share on the same number of shares in 1930. Dividends paid were \$7,768,266 in excess of net income for 1931. This amount was charged to surplus, which was \$172,198,374, on December 31, 1931, against \$179,966,640 the year before.

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#### RADIO NOTABLES AT W. H. CORRESPONDENTS' DINNER

Among those in one way or another connected with the radio industry attending the 10th Annual White House Correspondents' dinner, with President Hoover, the British Ambassador, the entire Cabinet, General Dawes and others as guests last Saturday night, were:

Gen. Charles McK. Saltzman, Chairman of the Federal Radio Commission, M. H. Aylesworth, George Akerson, K. H. Berkeley, Col. Thad H. Brown, Harry C. Butcher, Vincent Callahan, Martin Codel, F. P. Guthrie, R. D. Heinl, G. W. Johnstone, L. M. Lamm, Philip Loucks, Herluf Provensen, F. M. Russell, John Royal, George Engles, Sol Taishoff, Sen. James E. Watson and G. F. Wisner.

NBC furnished a large part of the entertainment which included Cheerio, Seth Parker, Sisters of the Skillett, the Revellers Quartet, Hallie Styles, opera singer, Boras Minnevitich and his Rascals, the Pickens Sisters, and Andy Sanella.

Introduced by Mr. Aylesworth, Cheerio, who made his first public appearance since adopting his nom de radio, acted as master of ceremonies. Cheerio (Charles K. Field) was a classmate in college of President Hoover and a cousin of the late Eugene Field. The performance under the personal direction of John F. Royal, NBC Vice-President, was one of the best of its kind ever given in Washington.

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#### U. S. TRAILS IN SWEDEN

The United States trails among the importers of radio sets into Sweden. The Swedish people last year produced sets and materials valued at \$1,940,000.

Of the foreign makes, the German products lead in value, followed by those of Holland. Great Britain ranks third among the leading exporting countries to Sweden, Denmark fourth and the United States fifth.

Of the radio apparatus in southern Sweden, approximately 90 per cent is made for direct connection with the electric current, battery-operated sets being only occasionally sold. The type of current used is both direct and alternating, the direct being usually 200 and 110 volts and the alternating 127 and 110 volts, 50 cycles.

Retail sales of radio sets on the installment plan are widely practiced, and such sales on the installment plan are always made in such a way that the purchaser pays 25 per cent of the price upon purchase and the rest within 10 months. Retail prices on radios sold on the installment plan are increased by 10 per cent.

Up to a comparatively few years ago, there was a law prohibiting the use of radio receiving sets by private individuals in Sweden.

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#### CBS SIGNS UP NEW AND RENEWAL ACCOUNTS SINCE FEB. 1

Horlick's Malted Milk, Corp., (Malted Milk); Starting Date, Feb. 5th; Program - "Adventures in Health" presented by Dr. Herman N. Bundesen, Pres. of Chicago Board of Health, Wed. and Fri., 10:15-30 P.M., - NEW.

R. Wallace & Sons Mfg. Co., Wallingford, Conn., (Wallace Silver); Starting date Feb. 28; Program - "Sons of Eli", Musical; Sunday, 2:00-2:30 P.M. - RENEWAL.

General Cigar Co. (Robt. Burns Cigars); Starting Date - Feb. 1st; Program - Orchestra; Monday, 10-10:30 P.M. - RENEWAL.

Wyeth Chemical Co. (Jad Salts); Starting Feb. 23rd; Program - "Aunt Jemima Songs"; Tues., Wed. Thu., 2:00-2:15 P.M. - RENEWAL

J. A. Folger & Co. (Coffee); Starting Feb. 8th; Program - "Judy & Jane"; Mon. through Friday. - NEW.

J. L. Prescott Co. (Oxol); Starting Feb. 26th; Program - "Grant, Graham & Coughlin"; 10:00-10:15 A.M., Tues. Wed. Fri. - RENEWAL.

Boston Food Products Co. (Prudence Corned Beef Hash); starting Feb. 23rd; Program - "Prudence Club"; Tues. Thurs., 10:30-10:45 A.M. - NEW.

General Baking Co. (Bond Bread); Starting - Feb. 25th; Program - "Bond Bread Prog"; 5:15-6:45 P.M. Thursday - RENEWAL.

Sterling Products, Inc. (Danderine); Starting - Feb. 18th; Program - "Movie Stars Review"; Tues. Thurs. 5:45-6:00 P.M. - NEW.



B. T. Babbitt, Inc., (Babo Cleanser); Starting - Feb. 6th;  
Program - "The Bright Spot", Guy Lombardo & His Music; Saturday,  
7:30-7:45 P.M. - NEW.

Miracul Wax Co. (Dri-brite Wax); Starting - Feb. 26th;  
Program - "Magic Piano Twins"; Friday - 1:00-1:15 P.M. - NEW.

Proctor & Gamble (Ivory Soap); Starting - Feb. 1st;  
Program - "The Gloom Chasers -- Col. Stoopnagle & Bud"; Mon., Wed.,  
8:45-9:00 P.M. - NEW.

Charis Corp. (Foundation Garments); Starting Feb. 24th;  
Program - "Charis Program with Ann Leaf"; Wed. - 3:15-3:30 P.M. - NEW.

Lehn & Fink (Pebeco); Starting - Feb. 16th; Program -  
Ida Baily Allen, "Stories of the Living Great"; Tuesday, 11:15-  
11:30 A.M. - RENEWAL.

Corn Products Ref. Co. (Kre-Mel); Starting Feb. 8th;  
Program - "Kre-Mel Singing Chef", Mon., Wed., Fri. 12:30-12:45 P.M. -  
RENEWAL.

Pennzoil Co. (Motor Oil & Gas); Starting - Feb. 14th;  
"Pennzoil Parade", Sunday 8:00-8:30 P.M. - NEW.

Eugene, Ltd. (Wavesett Lotion and Shampoo); Starting -  
March 6th; Program - "Eugene International Review", Sunday, 10:30-  
10:45 P.M.; Mon., Thu., 9:00-9:15 P.M. - New.

Sterling Products (Phillips' Dental Magnesia); Starting -  
March 10th; Program - "Sterling Products Program", Tues., Thurs.,  
Sat., 8:15-8:30 P.M. - RENEWAL.

Allen-A Co. (Hosiery & Underwear); Starting - March 4th;  
"Beau Bachelor" Program; Friday 10:00-10:15 P.M., - NEW.

Fred Fear & Co. (Easter Egg Dyes); Starting - March 22nd;  
Program - "Chick-Chick Fun", Tues., Thurs., 4:45-5:00 P.M. - NEW.

Lane Co. (Cedar Chests); Starting - March 18th; Program -  
"Orchestra & Dramatic Sketch", Don Lee, Friday, 11:30-11:45 A.M.,  
11:00-11:15 A.M., P.S.T.; - NEW.

Atlas Brewing Co., (Beverages); Starting - March 6th;  
Program - "Bob Becker's Outdoor Talks"; Sunday, 5:45-6:00 P.M. - NEW.

E. I. DuPont de Nemours & Co. (Paints & Varnishes);  
Starting March 4th; Program - "Today & Yesterday"; Friday, 8:30-  
9:00 P.M.; Thurs, 9:30-10:00 to coast; - NEW.

American Safety Razor Corp. (Ever-Ready Razors); Starting  
March 13th; Program - "Ever-Ready Blade Radio Gaeties"; Sunday,  
9:00-9:30 P.M. - NEW.

Phillips-Jones Corp. (Van Heusen Collars); Starting April  
4th; Program - "Van Heusen Program"; Friday 9:45-10:00 P.M. -RENEWAL.

Lavoris Chemical Co. (Lavoris); Starting - March 1st;  
Program - "Easy Aces"; Tuesday, Thus., Sat., 7:15-7:30 P.M. - NEW.

General Foods (Maxwell House Coffee and others); Starting - March 7th; Program - Musical; Mon., Wed., Fri., 7:15-7:30 P.M., rebroadcast 11:15-11:30; - NEW.

Chrysler Corp.; Starting - April 3rd; Program - Musical; Sunday, 8:00-8:30 P.M., changes on April 24th to 10:30-11:00 P.M. - NEW.

Kolynos Sales Co. (Toothpaste); Starting - March 8th; Program - "Salty Sam the Sailor"; Tues., Wed., Thu., 5:30-5:45 P.M. - RENEWAL.

Pratt & Lambert (Lacquers, enamels); Starting - March 1; Program - "The Voice of 1000 Shades"; Tuesday, 10:00-10:15 P.M. - NEW. 30

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#### JENKINS DESCRIBES A NEW RADIOVISION

Dr. Charles F. Jenkins, the physicist who is widely known for his experiments in radio photography and who received the medal of the Franklin Institute, tells of a new method of radiovision in the current issue of the *Yale Scientific Magazine*.

In this system, he says, the pictures change on a stationary frame in response to radio signals and any size of screen can be used in the home, synchronized with the present loud-speakers, while a small incandescent lamp, like an automobile headlight, is sufficient for lighting.

After explaining the general method followed in the past three years of developing television, utilizing the lens-disc and high-intensity crater lamp in the "rapid repetition of a complete image-analysis at a transmitting station and the simultaneous synthesis at picture receiving sets within the power range of the transmitter", Dr. Jenkins describes the new method he is undertaking as substituting "persistence of picture element for persistence of vision."

Recalling that the older method involves "a rapid traversing of the picture area by a single spot of light in adjacent successive lines", he says that by his substitution plan, "the whole picture is on the screen all the time instead of only a single spot of light."

"Broadly, the new method consists in using the incoming radio signals to build up a picture in the path of a beam of light projected on a screen", he continues, "that is, a picture slide in a magic lantern, the picture on the slide being formed thereon by electrical means instead of photographic means."



"Because of the conceded advantages in efficiency and unlimited picture size, it is confidently believed that the herein described system will ultimately come into universal use."

Describing the mechanics of the method, as carried out in his laboratory, Dr. Jenkins tells of dividing the picture area of the lantern slide into sixty imaginary lines of sixty dots in each line and changing the chemicals in the gelatin coating of the plate to attain the fading of an image and its replacement by a like image in cycles of a fifteenth of a second.

Then, with the prepared slide put into a projecting lantern having a light source, he continues:

"In the receiver, in front of, closely adjacent and parallel to the lantern slide, a suitable transparent scanning disc is mounted, with sixty wire terminals on its face to distribute the incoming radio signals along each of the sixty lines of the lantern slide.

"When this transparent scanning disc is brought into synchronism with the analyzer at the transmitting station, the incoming radio signals form spots on the lantern slide, each spot an element of the picture reproduction of the person or scene at the transmitting station.

"All the spots are put in their proper places to make up the picture in one-fifteenth of a second, the activating of each spot requiring but one 37,800th of a second.

"But immediately each spot is put on the plate by the incoming radio signal, it begins to fade, and as the fading time is one-tenth of a second and the complete respotting time every fifteenth of a second, obviously each spot is in its place all the time, in the stationary part of the picture.

"If, however, a particular group of spots form a moving part of the picture, for example, a speaker's arm in gesture, new spots will be formed in successively new locations as the arm moves to new positions, and the old spots will fade out.

"The projected picture on the screen is, therefore, exactly like the usual lantern slide picture except that it has motion; or like a motion-picture except that it is made up of changing picture elements instead of changing picture frames of a film. Incidentally, the elementary picture dots are so blended that they are as inconspicuous on the theatre screen as are the picture dots of a newspaper illustration.

"The new method is somewhat analogous to the three-element vacuum tube where a little current on the grid controls the flow of a relatively large amount of current; for in this new Jenkins method the small radio current is not the light source, as it is in the present system, but the small radio current is used to block out, in simultaneously-acting elementary areas, a

light beam from a powerful light source. And as no interrupting shutter is used, twice as much light reaches the screen as in a motion-picture projector where a rotating shutter cuts off half the light.

"Any size screen can therefore be adequately lighted for large gatherings, to accompany a synchronous voice-amplifying system; while a small incandescent lamp, like an automobile head-light lamp, is quite ample for home radiovisor,s synchronized with present home loud-speakers."

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#### SALES DEPARTMENT OF NBC REPORTS ON RENEWALS AND NEW ACCOUNTS

The Calsodent Co., New York, N. Y. (Dentrifice); Agency - J. Walter Thompson Co., New York, N. Y.; Period - Friday, 5:00-5:15 P.M., WEAf;- Tuesday 5:15-5:30 P.M., WJZ; starting March 18th, 1932, WEAf, March 15th, WJZ; WEAf only and WJZ only; Program - Talk by Marley Sherris - "Mouth Health". - RENEWAL.

Standard Oil Co. of New Jersey, New York, N. Y. (Oil & Gas); Agency - McCann Erickson, Inc., New York, N. Y.; Period - Wednesday and Friday, 7:15-7:30 P.M., starting March 9, 1932; WJZ Basic network; Program - "The Esso Program", Elsie Janis in songs and chatter. - RENEWAL.

The Centaur Co., New York, N. Y. (Fletcher's Castoria); Agency - Young and Rubicam, Inc., New York, N. Y.; Period - Monday, 11:15-11:30 A.M.; Starts - March 28, 1932; WEAf Basic Network (21); Program - "Radio Household Institute" Talk. - NEW.

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#### HEARINGS SCHEDULED BY FEDERAL RADIO COMMISSION

Tuesday, March 8 - First National Television Corp., Kansas City, Mo.  
C.P. 2200-2300 kc., 500 w., unlimited time.

Thursday, March 10 - W8ECP, E. L. Somers, Pottsville, Pa., renewal of  
license.

Charles L. Bennett, Jamaica, N. Y., C. P. 1210  
kc., 100 watts, share with WGBB, WCCH, WJBI;  
Others Notified: WMRJ, Jamaica, N. Y.; WGBB,  
Freeport, N. Y.; WCOH, Yonkers, N.Y.; WJBI,  
Red Bank, N. J.; WBAX, Wilkes-Barre, Pa.; WJBU,  
Lewisburg, Pa.; WRAW, Reading, Pa.; WPRO, Pro-  
vidence, R. I.; WINS, New York City; WAAM, New-  
ark, N. J.; WODA, Paterson, N.J.; WGCP, Newark  
WMRJ, Peter J. Prinz, Jamaica, N. Y., renewal  
of license, 1210 kc., 100 w., shares with  
WGBB, WCOH, WJBI.

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: BUSINESS LETTER BRIEFS :  
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"The Application of Permeability Tuning to Broadcast Receivers", a paper describing an entirely new method of tuning, in which neither variable condensers nor variometers are used, and in which uniform gain and constant selectivity are secured without transformer couplings, will be presented by Ralph H. Langley, consulting engineer, at a meeting of The Radio Club of America, on Wednesday, March 9th, at 8:15 P.M. The meeting will be held in Room 309, Havemeyer Hall, Columbia University, New York City.

The paper will be illustrated with slides and samples of the new sets will be shown.

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Denial of a request for a new broadcasting station at Cincinnati, Ohio, was recommended March 3rd in a report submitted to the Federal Radio Commission by Examiner Elmer W. Pratt.

The applicant is a subsidiary of the Pillar of Fire, a New Jersey Corporation, and the application was submitted under the name of this organization. The new station would operate on 1420 kilocycles with power of 100 watts.

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William Mason Bailey, formerly with the Wireless Specialty Apparatus Company of Boston, is now Chief Engineer of the Dubilier Condenser Corporation in New York City. For many years Mr. Bailey has specialized in condenser design and production problems.

Working in close collaboration with William Dubilier and the engineering staff of the organization, Mr. Bailey has in large measure been responsible for recent Dubilier developments such as the standard unit oil condenser, the moulded micadon, the ultra high frequency capacitors and the improved electrolytic condensers.

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APPLICATIONS RECEIVED BY FEDERAL RADIO COMMISSION

March 2 - KMLB, Liner's Broadcasting Station, Inc., Monroe, La., modification of license amended to request unlimited hours of operation on 1200 kc., instead of 6 A.M. to 8 P.M.; WGST, Georgia School of Technology, Atlanta, Ga., C.P. to make changes in equipment; KFXJ, R. G. & Chas. Howell, d/b as Western Slope Broadcasting Co., Grand Junction, Colo., modification of license for change in specified hours of operation; KOAC, Oregon State Agricultural College, Corvallis, Oregon; install automatic frequency control; KLX, The Tribune Publishing Co., Oakland, Calif., modification of license to increase power from 500 watts to 1 kilowatt.

(Corrected) WIBG, WIBG, Inc., Elkins Park, Pa., C.P. requested change from 930 kc. to 970 kc., in addition to increase power and studio move.

The following applications were returned to the applicant:

WRBX, Richmond Development Corp., Roanoke, Va., C.P. to move station to Charleston, W. Va. (request of applicant); WCAJ, Nebraska Wesleyan University, Lincoln, Nebr., increase power to 1 kilowatt (Rule 6 a and c); Arthur E. Chapman & Claude R. Brand, Rapid City, S. D., new station on 1200 kc., (Rule 6 a and c); KID KID Broadcasting Co., Idaho Falls, Idaho, modification of license for 500 w., 1 KW, LS & unlimited time (Rule 6 a and c);

March 3 - WGBB, Harry H. Carman, Freeport, N. Y., license to cover C.P. granted 10/30/31 for local move; WCAC, Connecticut Agricultural College, Storrs, Conn., install automatic frequency control; WCOH, Westchester Broadcasting Corp., Yonkers, N. Y., move station to White Plains, N. Y.; WOKO, WOKO, Inc., Albany, N. Y., modification of license for increase hours of operation - time assigned to, but not used by WHAT and WCAM; Myrtle K. Berger, Upper Tyrone Twp., Pa., C.P. for a new station to use 650 kc., 100 watts, daytime; WRBQ, J. Pat Scully, Greenville, Miss., modification of license requesting change from unlimited to specified hours.

Also, Wilton E. Hall, Publisher, Daily Independent & Mail Anderson, S. C., C.P. amended to request 1200 kc., instead of 1370 kc., facilities of WFBC; J. T. Griffin, Tulsa, Okla., C.P. for new station on 1400 kc., amended to request unlimited hours except when KUOA is operating; KGMP, M. M. Woody, Elk City, Okla., C.P. amended as to equipment and as to transmitter location; WOS, John D. Heiny, Jefferson City, Mo., voluntary assignment of license to Missouri State Marketing Bureau; KGDA, Mitchell Broadcasting Corp., Mitchell, S. D., C.P. to move station to Aberdeen, S. D., and install new transmitter; WJAK, The Truth Publishing Co., Inc., Elkhart, Ind., change from sharing with WLBC to simultaneous day, share at night.

#### Applications Other Than Broadcasting

March 2 - Boeing Air Transport, Inc., KHJMN, KHUAZ, KHJKP, KHJAZ, assignment of aircraft licenses to National Air Transport, Inc.; WQM, Radiomarine Corp. of America, Rocky Point, N. Y., license for marine relay and coastal services on 143, 170 kc., 2 KW; WMJ, City of Buffalo (Police Dept.), Buffalo, N. Y., license covering C.P. for 2422 kc., 500 watts, municipal police service; Fisher's Blend Station, Inc. new C.P. and license covering Construction, for 2390, 2378 or 2342 kc., 2.4 watts, temporary broadcast pickup; WLOXG, DeForest Radio Co., portable, modification of C.P. for extension of completion date to 8/25/32; WPEH, City of Somerville, Somerville, Mass., license covering C.P. for 1712 kc., 100 watts, emergency police service; KG TJ, Aeronautical Radio, Inc., Las Vegas, Nevada, C.P. to install new transmitter on 2720, 2732, 4110, 6510, 6520, 8015 kc., 150 watts, point-to-point aeronautical.



March 3 - KGTH, Aeronautical Radio, Inc., Salt Lake City, Utah, C.P. for new transmitter on 2720, 2732, 4110, 6510, 6520, 6530, 8015 kc., 150 watts, aeronautical point-to-point service; WLXG, Shortwave & Television Corp., portable, Boston, Mass., license covering C.P. for 43000-46000, 48500-50300, 60000-80000 kc., 200 watts, visual broadcasting service; Transpacific Communication Co., Ltd., Dixon, Calif., special license for test purposes on 7565, 7610, 10840, 15355, 15415, 21060 kc., 20 KW, special experimental service; WPED, Town of Arlington, Mass., Police Dept., Arlington, Mass., modification of C.P. for change in type of equipment and extension of completion date to 8/31/32, emergency police service; W9XD, The Journal Co., Milwaukee, Wis., renewal of experimental visual broadcasting license for 43000-46000, 48500-50300, 60000-80000 kc., 500 watts; W2XBS, National Broadcasting Co., Inc., New York, N. Y., renewal of experimental visual broadcasting license for 2100 to 2200 kc., 5 KW.

March 4 - W9XF, National Broadcasting Co., Downers Grove, Ill., renewal of relay broadcasting license for 6020 kc., 5 KW, modification of relay broadcasting license for change in frequency to 11770 kc.; W2XBT, National Broadcasting Co., portable, renewal of visual broadcasting license; W3XAK, National Broadcasting Co., portable, Bound Brook, N. J., renewal of visual broadcasting license for 2100 to 2200 kc., 5 kw; W3XAL, renewal of relay broadcasting license for 6100 kc., 20 kw.

Also, KGH, Mackay Radio & Telegraph Co., Hillsboro, Oreg., modification of point-to-point license for change in frequencies to 34.5, 47.5, 71.26, 4115, 7655, 8980 kc.; KGXU, Buchan & Heinen Packing Co., Port Armstrong, Alaska, license covering C.P. for 3178 kc., 50 w., point-to-point telephone service; KGXW, Karl Hansen, Port Alexander, Alaska, license covering C.P. for 3178, 2320 kc., 100 w., and 200 w., coastal and point-to-point service; United States Radio & Television Corp., Marion, Ind., new C.P. for 43-46, 48.5-50.3, 60-80 megacycles, 1 KW, experimental visual broadcasting service.

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