

# HEINL RADIO BUSINESS LETTER

INSURANCE BUILDING

WASHINGTON, D. C.

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APR 22 1932  
L. 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 :: :: **CONFIDENTIAL—NOT FOR PUBLICATION.** :: ::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. 522

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## RADIO FACILITIES UNEVENLY DIVIDED

More than their share of broadcasting facilities are enjoyed by three of the five zones into which the country is divided for the purpose of administering the radio law. These are zones three, four and five. Zones one and two are under quota.

The third, fourth and fifth zones - the southern, middle western, and western states-- together have 47.46 more units of broadcast facilities than they are entitled to by the Radio Act. Each zone, under the Act, is allowed 80 units. One unit is the approximate equivalent of a 1,000-watt station operating full time.

The third zone is 12.76 units over quota; the fourth zone, 21.12 units; and the fifth zone, 13.58 units. Zones one and two are under quota by 5.20 and 7.16 units, respectively.

Taken individually without reference to zone quotas, some over-quota states are: First zone, New York, New Jersey, Maine and Delaware; second zone, Kentucky, Virginia and West Virginia; third zone, Texas, Tennessee, Oklahoma, Louisiana and Florida; fourth zone, Illinois, Missouri, Minnesota, Iowa, Nebraska, North and South Dakota; fifth zone, Washington, Colorado, Oregon, Utah, New Mexico, Nevada and Alaska.

The tabulation of quota figures as of the first quarter, 1932, is as follows:

Zone 1	Due	Total Assign.	Quota due Units	Pct.
N.Y.	35.07	38.17	+3.10	+9
Mass.	11.84	10.06	-1.78	-15
N.J.	11.26	11.53	+0.27	+2
Md.	4.55	4.10	-0.45	-10
Conn.	4.48	3.55	-0.93	-21
P.R.	4.30	0.20	-4.10	-95
Me.	2.22	2.45	+0.23	+10
R.I.	1.91	1.40	-0.51	-27
D.C.	1.35	1.30	-0.05	-4
N.H.	1.29	0.92	-0.37	-29
Vt.	1.00	0.42	-0.58	-58
Del.	0.67	0.70	+0.03	+4
V.I.	0.06	0.00	-0.06	-100
<b>Total</b>	<b>80.00</b>	<b>74.80</b>	<b>-5.20</b>	<b>-7</b>
<b>Zone 2</b>				
Pa.	27.63	20.29	-7.34	-27
Ohio	19.07	18.76	-0.31	-2
Mich.	13.89	10.84	-3.05	-22
Ky.	7.50	8.50	+1.00	+13
Va.	6.95	9.50	+2.55	+37
W.Va.	4.96	4.95	-0.01	-
<b>Total</b>	<b>80.00</b>	<b>72.84</b>	<b>-7.16</b>	<b>-9</b>



Zone 3	Due	Total Assign.	Quota due Units	Pct.
Tex.	16.22	22.67	+6.45	+40
N. Car.	8.82	7.95	-0.87	-10
Ga.	8.10	8.10	-0.00	
Ala.	7.37	6.22	-1.15	-16
Tenn.	7.29	12.83	+5.54	+76
Okla.	6.67	8.44	+1.77	+27
La.	5.85	8.40	+2.55	+44
Miss.	5.60	3.40	-2.20	-39
Ark.	5.16	4.60	-0.56	-11
S. Car.	4.83	1.70	-3.13	-65
Fla.	4.09	8.45	+4.36	+107
Total	80.00	92.76	+12.76	+16

Zone 4				
Ill.	22.52	34.76	+12.24	+54
Mo.	10.71	11.79	+1.08	+10
Ind.	9.56	7.53	-2.03	-21
Wis.	8.67	7.86	-0.81	- 9
Minn.	7.57	9.08	+1.51	+20
Iowa	7.30	11.50	+4.20	+58
Kans.	5.55	5.37	-0.18	- 3
Nebr.	4.06	7.30	+3.24	+80
S. Dak.	2.05	2.94	+0.89	+43
N. Dak.	2.01	2.99	+0.98	+49
TOTAL	80.00	101.12	-21.12	-26

Zone 5				
Calif.	36.86	36.44	-0.42	- 1
Wash.	10.15	15.66	+5.51	+54
Colo.	6.72	9.32	+2.60	+39
Ore.	6.19	9.22	+3.03	+49
Mont.	3.49	3.30	-0.19	- 5
Utah	3.30	6.60	+3.30	+100
Idaho	2.89	2.80	-0.09	- 3
Ariz.	2.83	2.50	-0.33	-12
N. Mex.	2.75	4.03	+1.28	+47
Hawaii	2.39	1.84	-0.55	-23
Wyo.	1.46	0.60	-0.86	-59
Nev.	0.59	0.80	+0.21	+36
Alaska	0.38	0.47	+0.09	+24
Total	80.00	93.58	-13.58	-17

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## KLUGH WARNS SENATORS AGAINST HIGH RADIO TAX

The five per cent sales tax on radio equipment may prove such a burden as to jeopardize the radio industry because of its present financial state, Paul B. Klugh, of Chicago, representing the Radio Manufacturers' Association told the Senate Finance Committee. Mr. Klugh is Vice-President of the Zenith Radio Corporation. He said that the tax would cause an additional decrease of twenty per cent in sales and that there was a question of survival of the industry if placed under such a strain. Prices would have to increase as sales diminished, he explained, the loss in volume naturally resulting in greater production costs.

Not only might the five per cent tax ruin the radio industry but, because of the depleted state of the industry, the tax would not bring in \$11,000,000 which the Senate figures on raising, nor anywhere near that amount.

Mr. Klugh gave a brief history of the development of radio. He protested vigorously against the radio being taxed the same as passenger automobiles, maintaining that the radio was far more essential than a passenger automobile and cited numerous practical applications of the radio, such as its use by the farmer in keeping track of current market quotations as a guide in disposing of his produce.

Former Representative Frank D. Scott, counsel for the Radio Manufacturers' Association, in arguing against the tax declared that from 1928 to 1931 the mortality in the radio manufacturing industry was in excess of 50 per cent and that today there are less than 150 concerns manufacturing the items mentioned in the bill for tax. The reduction in employment during the same period was 80 per cent, he said.

Mr. Scott told the Senate Committee that many of the manufacturers turn out refrigerators also. He opposed discrimination against the radio industry.

The other witness was James M. Skinner, of the Philco Company.

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## SEES RCA REVERSE STOCK SPLIT-UP

In a syndicated column, "The National Whirligig", of the McClure Newspaper Syndicate, New York, James McMullin writes:

"Radio Corporation of America is contemplating a reverse stock split-up - one share for three. Some of the present stockholders are afraid this will expose them to renewed attacks by bear operators."

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## NEW AND RENEWED COLUMBIA ACCOUNTS

RENEWAL - P. Lorillard Co., (Old Gold Cigarettes); Agency - Lennen & Mitchell, Inc.; Program - "Little Jack Little", Soloist, Mon. through Friday 9:00-9:15 A.M., 34 stations;

RENEWAL - Eastman Kodak Co., (Kodaks, films, etc.); Agency - J. Walter Thompson Co.; Program - Musical - "Eastman Program", Friday 9:00-9:30 P.M., (West Coast - 9:30-10:00 PST), 31 stations.

NEW - International Oil Heating Co., Inc., St. Louis, Mo. (Oil Burners); Agency - Lloyd & Hill, Inc., St. Louis, Mo.; Program - Fridays & Tuesdays 7:45- 8:00 A.M., Fred Feibel, organist, WABC.

NEW - H. J. Heinz Co., Pittsburgh, Pa. (Rice Flakes); Agency - Young & Rubicam, Inc., New York City; Program - "Heinz Presents Joe Palooka", Tues. Thurs. 6:45-7:00 P.M. (Rebroadcast 11:15-11:30), 51 stations.

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## SONORA COMPANY SEEKS TELEVISION PERMIT

Permission to erect a new \$20,000 visual broadcasting experimental station is asked in an application submitted to the Federal Radio Commission by the Sonora Manufacturing Company, of Chicago. The application, filed by Gustave Frankel, Leonard C. Welling and Gustave Kraus, would enable experiments to determine the possibilities of television transmission and reception in metropolitan areas.

The purpose of the station would be to conduct experiments "to determine the transmission characteristics of ultra short waves over metropolitan areas, in conjunction with development of suitable television receiving equipment."

The station would operate with power of 5,000 watts on frequencies of 43000-46000, 48500-50300, and 60000-80000 kilocycles.

First experiments would deal with transmission of television images from motion picture films. Later, studio experimental pick-up would be studied.

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## HARBORD RATES PERSHING AMONG GREATEST GENERALS

In an address before the Army War College, "The Preservation of American Identity in the World War", Gen. J. G. Harbord, Chairman of the Radio Corporation of America paid a great tribute to General Pershing.

"Let us hope that other generations will have a Pershing to lead their armies", General Harbord said in conclusion. "The verdict of history can not be hurried in its award of place. No man writing of his contemporaries can divest himself of sentiment. Prophecy like almost everything else is quoted at low values in these modern days. Yet, I doubt if anyone writing now of the six greatest military figures of our first 150 years of national life would deny that General Pershing easily belongs in a select group with Sherman, Jackson, Grant, Lee, and Washington. If such a group be narrowed to three, your present speaker can conceive of no such combination that would omit the name of John J. Pershing."

The address consisting of upwards of 10,000 words, was reprinted in full in the Congressional Record of April 11th, at the request of Senator Tydings of Maryland. Likewise, it should prove a fitting addition to General Harbord's book, "Leaves From A War Diary", published by Dodd Mead & Company, of New York.

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## NEW COLUMBIA PHONOGRAPH HEAD

The Columbia Phonograph Company, Inc., announced yesterday the election of H. E. Ward, of Chicago, as President, and H. Curtiss Abbott, of New York, as Vice-President in Charge of Sales, Merchandising and Advertising. F. J. Ames remains Treasurer. Messrs. Ward and Abbott, also, were elected Directors of the company.

The voting trustees of the company announced at the close of 1931 that 78,000 of the 82,524 shares of the company's stock had been sold to the Grigsby-Grunow Company, of Chicago, by an exchange of 4 4-10 shares of Grigsby-Grunow stock for each share of Columbia stock.

In connection with the reorganization of its executive personnel, the Columbia Phonograph Company, Inc., is entering into manufacturing and merchandising of radio receiving sets. Mr. Ward announced that the company had no debts, that cash on hand was sufficient for effective operation and that there were no plant maintenance costs.

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: BUSINESS LETTER BRIEFS :  
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The Radio Commission has granted authority to Station WABC, New York, to operate on 800 and 900 kilocycles experimentally with 50,000 watts power.

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Programs from foreign countries carried over National Broadcasting Company networks increased 175 per cent during the first quarter of 1932 over the same period last year, according to an NBC press report.

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Eight high-powered radio broadcasting stations in Mexico City were closed last week by order of General Miguel Acosta, Minister of Communications for operating without crystal controls.

Their indiscriminate broadcasting had interfered with programs all over the United States. The Mexican State Department had been deluged with protests.

The stations will remain closed until they comply with international regulations.

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According to an announcement made by Charles J. Pannill, Executive Vice-President of the Radiomarine Corporation of America, four RCA radio direction finders are to be installed on vessels of the Merchant and Miners' Transportation Company. When the installations are completed, the Merchants and Miners' Company will have in service ten RCA radio direction finders, and in addition, RCA equipment on all of the company's vessels carrying radiotelegraph apparatus.

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OPERATORS' LICENSES FOR U. S. CITIZENS ONLY

A bill carrying an amendment to the Radio Act which provides that radio operators' licenses shall be issued only to American citizens has been passed by the Senate. It reads, as follows:

"Be it enacted, etc., That Section 5, subparagraph C, of the Act of February 23, 1927, as amended, is amended by striking out the word 'persons', after the words 'issue to such', and inserting the words 'citizens of the United States', so that the amended paragraph will read: 'To prescribe the qualifications of station operators, to classify them according to the duties to be performed, to fix the forms of such licenses, and to issue them to such citizens of the United States as he finds qualified.'"

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## COLUMBIA REPORTED TO HAVE ACQUIRED NEW CAPITAL OUTLET

It is reported the Columbia Broadcasting System has entered into a five-year contract to take over Station WJSV, at Mt. Vernon Hills, Va., 16 miles from Washington, D.C., with renewal privilege of two five-year periods. If this is true, it opens up considerable speculation with regard to the broadcasting situation in the National Capital.

Station WJSV, under the new arrangement, will probably broadcast Columbia programs now being distributed through Station WMAL, Washington, owned by M. A. Leese, whose contract with Columbia expires next November, but has a clause allowing either party to cancel after ninety days' notice.

If Columbia gives up WMAL it is believed the National Broadcasting Company will renew its negotiations to lease the station, which would enable the NBC to give the Capital City the full schedule of programs originating with WJZ, in New York. At present Washington is on a split network receiving a majority of WEAF programs, with a few from the WJZ hookup.

If the NBC secured WMAL it would probably be on a rental basis, as thus far Mr. Leese has declined to sell the station outright, although he is said to have been offered more than \$250,000. What consideration is involved in the WJSV-Columbia deal is not known but the property and equipment is understood to be valued at upwards of \$100,000.

One possibility is that if Columbia acquires WJSV it has in mind using the Virginia transmitter as a booster station for WABC, Columbia's key station. Some time ago Columbia applied to the Radio Commission for the privilege of installing a WABC booster in Washington but was denied the privilege on the ground that it would introduce new facilities into the District.

It is believed that Columbia's first move after acquiring the station would be to apply for permission to move WJSV's transmitter nearer to Washington, perhaps to Rosslyn, just across the river, so that the Capital may be reached with a more satisfactory signal. Although located only sixteen miles away, and broadcasting with 10,000 watts power, complaints have been made that it is not possible to hear WJSV clearly in all parts of Washington. Yet it thunders into Winchester, Va., is heard regularly at distant points in the United States, and as far away as Porto Rico. Cross-talk is frequently heard on WJSV, supposedly because it broadcasts on the same frequency, and during the same hours as Station KSTP, St. Paul, which likewise uses 10,000 watts power.

If the WJSV transmitter is moved nearer to Washington, doubtless its power would be reduced whether it was synchronized with WABC or broadcast independently. If synchronized, it could not very well continue to use 10,000 watts because, according to radio engineers, it would "mush" the signal in the WABC territory. If broadcasting separately, such power might "blanket" Washington. Another advantage is moving the station to some point across the river would be that performers would not have to journey to Alexandria to the studios.

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## APPLICATIONS RECEIVED BY FEDERAL RADIO COMMISSION

April 18 - WEVD, Debs Memorial Fund, Inc., New York, N.Y., license to cover C.P. granted 12/4/31 to move transmitter and install new transmitting equipment; WBGF, W. Neal Parker & Herbert H. Metcalf, Glen Falls, N. Y., voluntary assignment of license to John T. Calkins; WEAO, Ohio State University, Columbus, Ohio, C.P. to install new transmitter; WKZO, WKZO, Inc., Kalamazoo, Mich., modification of license to change from 1 KW, daytime, to 250 w., 1 KW, LS, unlimited time on 590 kc.; WCCO, Northwestern Broadcasting Inc., Minneapolis, Minn., modification of C.P. for 50 kilowatts, requesting extension of completion date to 8/31/32; KGEZ, Donald C. Treloar, Kalispell, Montana, install automatic frequency control, and C. P. to move station locally;

April 19 - WBEN, WBEN, Inc., Buffalo, N. Y., C.P. to install new transmitter and change from 1 KW to 1 KW, 1½KW, LS; WEAN, Shepard Broadcasting Service, Inc., Providence, R. I., modification of license to increase power from 250 w., 500 w. LS, to 500 watts day and night, experimentally, resubmitted without amendment; WNBH, Irving Vermilya, trading as New Bedford Broadcasting Co., New Bedford, Mass., C.P. to make changes in equipment and increase power from 100 w. to 100 w., 250 w., LS; Albert S. Moffat, Springfield, Mass., C.P. for a new station to use 1420 kc., 100 watts, unlimited time; KGKY, Sandpoint Broadcasting Co., Sandpoint, Idaho, C.P. to move station to Lewiston, Idaho, and make changes in equipment; KGVO, Mosby's, Inc., Missoula, Montana, modification of license to change from 1420 kc., 100 watts, daytime, to 1200 kc., 100 watts, unlimited time; KSEI, Radio Service Corporation, Pocatello, Idaho, modification of C.P. granted 3/8/32, request change from 900 kc., 250 w., 500 w., LS to 890 kc., 500 watts day and night.

The following applications were returned to the applicants: W. Frank Robertson, Mexia, Texas, new station on 1500 kc., (Rule 151, and unsatisfactory transmitter); G. D. Griffin, Oklahoma City, Okla., C.P. for a new station on 1200 kc. (unsatisfactory transmitter, Rule 6a and c, and Rule 121).

### Applications, Other Than Broadcasting

April 18 - KGTB, Aeronautical Radio, Inc., Texarkana, Ark., license covering C.P. for 322.5, 3232.5, 3242.5, 3257.5, 3447.5, 3457.5, 3467.5, 3485, 5602.5, 5612.5, 5632.5 kc., 50 watts, aeronautical service; also license covering C.P. for 2316, 2356, 4115 kc., 50 watts, point-to-point aeronautical service; W2XP, R.C.A. Communications, Inc., Riverhead, N. Y., license covering C.P. for 25700, 34600, 51400, 60000-400000, 401000 kc., and above, 250 watts, experimental service; Louisiana State Bureau of Identification & Investigation: At Baton Rouge, La., new C.P. for 1574 kc., 100 watts, State police service; KGPY, Shreveport, La., modification of C.P. for extension of time, State Police service; KOW, Pacific Telephone & Telegraph Co., near Edmonds, Wash., license covering C.P. for 2590 kc., 400 watts, coastal harbor service; Nakat Packing Co., Hidden Inlet, Alaska, license for point-to-point telephone service, 3265 kc., 250 watts; WPEF, City of New York, New York, N.Y.,



license covering C.P. for 2450 kc., 400 watts, municipal police service; Atlantic Broadcasting Corp.; Long Island N. Y., W2XE, renewal of license for 6120 kc., 5 KW, experimental relay broadcasting service; W2XAB, New York, N. Y., renewal of license for 2750-2850 kc., 500 watts, experimental visual broadcasting service.

April 19 - WLXP, Massachusetts Institute of Technology, South Dartmouth, Mass., modification of license for additional frequencies of 27100, 34600, 41000 kc., 1 KW, general experimental service; KUP, Examiner Printing Co., San Francisco, Cal., C.P. for new transmitter, 6440, 8350, 11340, 22225 kc., 1.25 KW, mobile press service; Sonora Manufacturing Co., Chicago, Ill., new C.P. for visual broadcasting service, 43000-46000, 48500-50300, 60000-80000 kc., 5 KW; KGPH, County of Oklahoma, Oklahoma City, Okla., license covering C.P. for new transmitter, 2450 kc., 250 watts, municipal police service; Alaska Pacific Salmon Corp.; KDP, Chomly, Alaska, and KFN, Cape Chacon, Alaska, C.P. for new transmitter for 2512, 500 and 425 or 466 kc. - coastal; 246, 252, 3092.5 kc. - point to point, 100 watts. Coastal Harbor, Coastal Telephone, point-to-point telegraph and point-to-point telephone services.

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## DECISIONS OF THE FEDERAL RADIO COMMISSION

### Applications Granted (April 19, 1932)

WFOX, Paramount Broadcasting Corp., Brooklyn, N. Y., license covering local move of station, 1400 kc., 500 watts, share with WCGU, WLTH and WBBC; KID, KID Broadcasting Co., Idaho Falls, Idaho, modification of license to increase hours of operation from simultaneous day with KTFI and sharing at night with KTFI, to unlimited; KGKX, Sandpoint Broadcasting Co., Sandpoint, Idaho, authority to discontinue operation of station to July 1, pending Commission action on application to install new equipment and move station to Lewiston, Idaho; WABC-WBO2, Atlantic Broadcasting Corp., New York City, extension of special authorization to operate on 800 kc., and 900 kc., experimentally with 50 KW power; WCAE, WCAE, Inc., Pittsburgh, Pa., authority to make field intensity measurements using 250 watts portable transmitter for determining new site for transmitter (action taken April 14th); WSB, Atlanta Journal, Atlanta, Ga., extension of period in which to make field measurements for 30 days; KGGE, Powell & Platz, d/b as Powell & Platz, South Coffeyville, Okla., permission to take depositions in re application of American Broadcasting Corp., Louisville, Ky., set for hearing May 2, 1932; WLB-WBMS, University of Minnesota, Minneapolis, Minn., permission to take depositions in re applications for renewal of license and modification of license set for hearing May 5, 1932.

Also, Radiomarine Corp. of America: WHEI, aboard vessel "St. John" authority for 60 days to operate radio equipment on vessel "St. John", A1 and A2 emission; Also, New York, temporary



authority for 60 days to operate transmitter ET-3574A aboard the "Leviathan" replacing ET-3655 and ET-3655B, frequency range 385 to 500 kc., 5515 and 16660; KSE, Torrance, Cal., modification of coastal telg. license for additional frequency 16860 kc., also granted same for marine relay license; Bell Telephone Laboratories, Inc., South Plainfield, N. J., C.P. for special experimental service, 278 kc., 10 watts, emission A1, A2 and A3; KHK, Mutual Tel. Co., Wahiawa, T. H., C.P. for coastal telg. service, 8280 kc., calling; 8580 kc. working; 500 watts, A1 emission; W2XBZ, R.C.A. Communication, Inc., New Brunswick, N. J., C.P. to move transmitter to Arneys Mount, N. J.; W4XA, Miami Broadcasting Co., Inc., Portable, Miami, Fla., license for broadcast pickup service, 2342 kc., 15 watts, A3 emission; W8XAL, The Crosley Radio Corp., near Mason, Ohio, renewal of experimental license, 6060 kc., 10 KW, special high quality telephony; maximum communication band width plus tolerance, 20 kc.

Also, Aeronautical Radio, Inc.: at Cheyenne, Wyo., C.P. for communicating with aircraft flying blue chain; 3072.5, 3082.5, 3088, \*5510, \*5540, 5672.5, 5692.5 kc., 50 w., A3 emission (\*available until March 1, 1933 only); WSDR, Madison, Wis., aeronautical license 2854 and 3005 kc., unlimited; 5377.5 kc. day only; 400 watts, A1, A2 and A3 emission; also granted point-to-point aeronautical license, 2668 and 2672 kc., 400 watts, A1 emission; WSDS, Chicago, aeronautical license 2854 and 3005 kc., unlimited (also same as for WSDR); at Wichita & Westward, temporary authority to use frequency 6350 kc., for period of 90 days at certain stations on blue chain, pending the complete rebuilding of existing transmittersto incorporate crystal control and make possible the use of frequency 6510 kc. now assigned under rules and regulations. The following are the stations: KGTD, Wichita, KSY, Tulsa; KSV, Amarillo, Tex.; KSX, Albuquerque; KGTA, Winslow, Ariz.; KGTL, Kingman, Ariz.; KSI, Burbank, Cal., KGSB, Alameda, Cal.

City of Woonsocket, Woonsocket, R. I., C.P. for police service, 2470 kc., 30 watts, A3 emission; WPDZ, City of Fort Wayne, Police Dept., Fort Wayne, Ind., C.P. to install new equipment; WPDM, City of Dayton, Police Dept., Dayton, Ohio, modification of C.P. to extend completion date from May 9 to August 8, 1932; W9XV, Ozark Radio Corp. of Carterville, Shreveport, La., license for gen. exp. service; frequencies 1594, 2398, 3492.5, 4797.5, 6425, 8655, 12862.5, 17310 kc.; 100 watts, emission A1, A2, A3 and special, provided maximum communication band width plus tolerance does not exceed the frequency separation band width; subject to provisions of Rule 308, except on frequency 1594, which is 1:30 to 2:30 P.M. and 4 to 5 A.M.; W5BQU, C. H. Pultz, and W5SIG, J. Stanley Ford, Jr., Brownsville, Texas, authority to operate amateur stations during May for purpose of making tests and handling personal messages with Lt. Cameron of Signal Corps, 12th Cavalry, which will be on field maneuvers.

#### Set For Hearing

Bernard Hanks, Abilene, Texas, requests C.P. for new station, 1340 kc., 100 watts, unlimited time; KGFI, Eagle Broadcasting Co., Inc., Corpus Christi, Texas, requests C.P. to make changes in equipment; KGBX, KGBX, Inc., St. Joseph, Mo., requests C.P. to move



studio to Springfield, Mo., and move transmitter to Springfield, Mo and change time to unlimited; Ray-O-Vision Corp. of America, Los Angeles, Cal., requests C.P. for experimental visual broadcasting service.

Matched Frequency Tests To Be Continued On Temporary Basis

Extended temporarily the Special Authorization, which expires May 1, 1932, to continue matched frequency tests with unlimited time to Stations WCAH, Columbus, Ohio; WHEC-WABO, Rochester, N. Y., WOKO, Albany, N. Y., WHP, Harrisburg, Pa. (divides with WBAK, Harrisburg) and WFEA, Manchester, N. H.

WBAK, Penna. State Police, Commonwealth of Pa., Harrisburg, Pa., granted renewal of license on temporary basis subject to outcome of hearing on application of WHP, Harrisburg, Pa. for facilities of WBAK; WCAH, Commercial Radio Service Co., Columbus, Ohio, application for regular renewal license set for hearing because of application of WBAK for its facilities, granted temporary license. WHP, WHP, Inc., Harrisburg, Pa., application for regular renewal license set for hearing to be heard with application of WBAK and WCAH, granted temporary license.

Miscellaneous

(Action taken April 18, 1932)

WJAY, Cleveland Radio Corp., Cleveland, Ohio, denied motion of Woodmen of the World Life Insurance Co. to set aside hearing order and return application for modification of license to change from 610 kc., 500 w., daytime, to 590 kc., 250 w., 500 LW, unlimited time; KFXV, Albert H. Schermann, Flagstaff, Ariz., application for renewal of license granted, Stewart A. Heigold has withdrawn application for part of the facilities of this station; KGGF, Powell & Platz, So. Coffeyville, Okla., application to move main studio to Coffeyville, Kans., set for hearing because of protest of Station KFBI, Milford, Kans.

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## PATENTS, PATENT SUITS AND TRADE-MARKS

The following patents were granted during the week ending April 19, 1932:

- 1,854,203. Contact. Fred H. Kroger, Ridgewood, N. J., assignor to Radio Corporation of America. Filed July 24, 1930.
- 1,854,219. Combined Motion Picture Projector and Sound Reproducing Apparatus. Freeman H. Owens, New York, N. Y., assignor to Owens Development Corporation, New York, N. Y. Filed May 28, 1929.
- 1,854,239. Tuning Device. Alfred Weiland, Germantown, Pa., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Filed June 24, 1930.
- 1,854,267. Tuning Fork Generator. Andrew L. Matte, Summit, N. J., assignor to American Telephone and Telegraph Company. Original application filed June 16, 1928. Divided and this application filed May 15, 1930.
- 1,854,274. Television System. Dietrich Prinz, Berlin, Germany, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m.b.H., Berlin, Germany. Filed April 4, 1931, and in Germany April 3, 1930.
- 1,854,294. Regulator for Amplifiers. Ollivier Marie Gustave de l'Harpe, Paris, France, assignor to Societe Francaise Radio Electrique, Paris, France. Filed January 15, 1926, and in France July 22, 1925.
- 1,854,315. Transmission of Colored Pictures. Rudolf Schmook, Berlin-Charlottenburg, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemenstadt, near Berlin, Germany. Filed September 27, 1930, and in Germany June 13, 1929.
- 1,854,375. Unitary Element Structure for Vacuum Tubes. Robert Harding, Jr., White Plains, N. Y., assignor to Arcturus Radio Tube Company, Newark, N. J. Filed May 17, 1929.
- 1,854,376. Method of Treating Tubes. Walter Louis Krah, Montclair, N. J., assignor to Arcturus Radio Tube Company, Newark, N. J. Filed January 27, 1928.
- 1,854,432. Generation of Electric Waves. George M. Thurston, New York, N. Y., assignor to Western Electric Company, Inc., New York, N. Y. Filed August 18, 1927.
- 1,854,447. Polyphase Motor Control System, Ben J. Chromy, Hopkins, Minn., assignor to Wired Radio, Inc., New York, N. Y. Filed May 14, 1930.



- 1,854,448. Radio Signaling. Louis Cohen, Washington, D. C. Filed September 17, 1928.
- 1,854,457. Electric Wave Signaling System. Gustave Charles de Coutouly, Chatham, N. J., assignor to Western Electric Company, Inc., New York, N. Y. Filed July 6, 1925.
- 1,854,474. Microphone. William Roe Lane, Niagara Falls, N. Y. Filed May 31, 1930.
- 1,854,533. Automatic Switch for Controlling Motor-Vehicle-Carried Apparatus. Charles R. Wexler, Cambridge, Mass., assignor to David Housman, Winthrop, Mass. Filed February 19, 1930.
- 1,854,555. Control Methanism for Radio Apparatus. Joseph Mendola, Rochester, N. Y. Filed July 16, 1930.
- 1,854,566. Loop Adjusting Device. Walter J. Spiro, White Plains, N. Y. Filed October 15, 1927.
- 1,854,643. Radio Period Selecting Device. Emile Brugger, Valley Stream, N. Y., assignor of one-half to Atlantic Broadcasting Corporation. Filed February 20, 1930.
- 1,854,682. Television Device. Rene Barthelemy, Fontenay-Aux-Roses, France, assignor to Compagnie pour la Fabrication des Compteurs et Materiel d'usines a Gaz, Montrouge, Seine, France. Filed February 5, 1931, and in France, February 13, 1930.
- 1,854,733. Radio Beacon. Guy du Bourg de Bozas, Paris, France. Filed February 24, 1931, and in France October 18, 1930.
- 1,854,830. Acoustic Device. Paul B. Flanders, East Orange, N. J., assignor to Bell Telephone Laboratories, Inc., New York, N. Y. Filed April 28, 1928.
- 1,854,854. Amplifier System. Benjamin F. Miessner, Short Hills, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Filed Feb. 2, 1929.
- 1,854,884. Electrical Communication. Wendell L. Carlson, Schenectady, N. Y., assignor to Radio Corporation of America. Original application filed September 21, 1922, Patent No. 1,649,098, dated November 15, 1927. Divided and this application filed June 22, 1926.
- 1,854,900. Vacuum Tube Tester. William Nelson Goodwin, Jr., Newark N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J. Filed February 8, 1928.
- 1,854,901. Tube Tester. William Nelson Goodwin, Jr., Newark, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J. Filed February 5, 1931.



- 1,854,915. Radio Receiving System. Sidney Y. White, New York, N. Y., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Filed January 23, 1928.
- 1,854,926. Process for Carbon-coating Electrodes. Ernest D. de Broske, North Bergen, N. J. Filed June 6, 1930.
- 1,854,941. Turntable for Sound Picture Apparatus. John Ripley Kiel, Chicago, Ill., assignor to Auditone Company, Chicago, Ill. Filed May 8, 1930.
- 1,854,949. Measurement of Speed Variations. Milton S. Mead, Jr., Schenectady, N. Y., assignor to General Electric Co. Filed June 23, 1930.
- 1,854,960. Automatic Phonograph. Thomas W. Small, Huntington, Ind. assignor to The Capehart Corporation, Fort Wayne, Ind. Filed July 21, 1930.
- 1,854,986. Method and Means for Producing High Frequencies. William A. Fitch, Schenectady, N. Y., assignor to General Electric Company. Filed May 17, 1930.
- 1,855,054. High-Frequency Coupling System. John Kelly Johnson, Hartsdale, N. Y., assignor to Hazeltine Corporation. Filed February 13, 1931.
- 1,855,055. High Frequency Transformer. John Kelly Johnson, Hartsdale, N. Y., assignor to Hazeltine Corporation. Original application filed Feb. 13, 1931, Serial No. 515,560. Divided and this application filed February 28, 1931.
- 1,855,058. Sound Box Guiding Mechanism. Sigmund Katscher, Vienna, Austria. Filed May 29, 1930, and in Austria January 30, 1930.
- 1,855,125. Automatic Phonograph Record Reverser. Harry Broeckmeyer, New York, N. Y. Filed August 29, 1928.
- 1,855,146. Method and Apparatus for Audition. W. Bartlett Jones, Chicago, Ill. Filed December 14, 1928.
- 1,855,147. Distortion in Sound Transmission. W. Bartlett Jones, Chicago, Illinois. Filed January 11, 1929.
- 1,855,148. Sound Transmission. W. Bartlett Jones, Chicago, Ill. Filed August 4, 1927.
- 1,855,149. Method and Means for the Ventriloquial Production of Sound. W. Bartlett Jones, Chicago, Illinois. Filed April 13, 1927.

- 1,855,150.    Reproduction of Sound.    W. Bartlett Jones, Chicago, Illinois.    Filed October 10, 1928.    .
- 1,855,151.    Electrical Phonograph Pick-Up and Apparatus.    W. Bartlett Jones, Chicago, Illinois.    Filed January 25, 1930.    Renewed January 9, 1932.
- 1,855,152.    Selective Control Device.    W. Bartlett Jones, Chicago, Illinois.    Filed January 7, 1931.
- 1,855,154.    Electric Discharge Device.    Camil A. Sabbah, Schenectady, N. Y., assignor to General Electric Company.    Filed February 28, 1931.
- 1,855,155.    Radio Lead or Aerial.    John C. Sampson, St. Louis, Mo.    Filed August 19, 1929.
- 1,855,156.    Phonograph.    Frank J. Seabolt, Schenectady, N. Y., assignor, by direct and mesne assignments, to The Phonograph Company, a Corp. of Delaware.    Filed August 9, 1923.
- 1,855,157.    Phonograph.    Frank J. Seabolt, Schenectady, N. Y., assignor to The Phonograph Company, a Corp. of Delaware.    Filed October 18, 1927.
- 1,855,168.    Loud Speaker.    Clair L. Farrand, Forest Hills, N. Y., assignor to Lektophone Corporation, Jersey City, N.J.    Original application filed April 22, 1926.    Divided and this application filed October 17, 1929.

#### Patent Suits

- 1,448,279, 1,579,392, Pridham & Jensen, Electrodynamic receiver; 1,745,118, same, Sound reproducing device, filed March 15, 1932, D.C., N.D. Calif. (San Francisco), Doc. E 3210-S, The Magnavox Co. v. Waterhouse-Lester-Scovel Co., Ltd., et al.
- 1,454,656, C. E. Rork, Flotation machine, C.C.A. 3d Cir., Doc. 4280, Radio Corp. of America v. Dubilier Condenser Corp. et al.    Claims 14 and 3 held invalid March 18, 1932.
- 1,635,117, F. W. Dunmore, Signal receiving system, C.C. A, 3d Cir., Doc. 4279, Radio Corp. of America v. Dubilier Condenser Corp. et al.    Claim 9 held invalid March 18, 1932.



Trade-Mark Applications Received

- Ser. No. 317,424. Clago Radio Corporation, Chicago, Ill. Filed July 29, 1931. "Super Defiance" for Radio Receiving Sets. Claims use since July 23, 1931.
- Ser. No. 321,434. National Union Radio Corporation, Newark, N. J. Filed November 23, 1931. Initials "T" and "C" blended and placed in a double circle. The drawing is lined to indicate shading only in the inner circle. For Radio Electron Tubes. Claims use since October, 1924.
- Ser. No. 322,694. The Greist Manufacturing Co., New Haven, Conn. Filed January 4, 1932. "DAYTONE" for portable table or desk electric lamps. Claims use since November 25, 1931.
- Ser. No. 323,272. Columbia Phonograph Co., Inc., Bridgeport, Conn. Filed January 21, 1932. Under section 5b of the Act of 1905 as amended in 1920. "Columbia" for Radio Receiving, Detecting, and Transmitting Sets and Parts Thereof. Claims use since September 1, 1928.
- Ser. No. 323,917. Stern & Co., Philadelphia, Pa., Filed February 6, 1932. "Dyne-O-Phaze" for self-contained units for varying the capacity of Radio Receiving Set Antennae. Claims use since February 2, 1932.

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