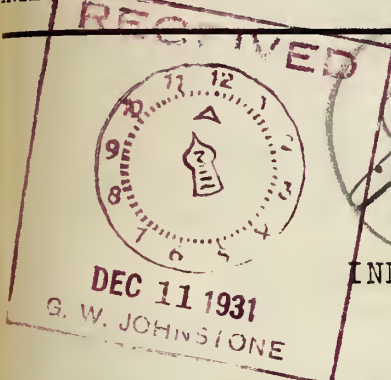


HEINL RADIO BUSINESS LETTER

INSURANCE BUILDING

WASHINGTON, D. C.

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 :: :: **CONFIDENTIAL—NOT FOR PUBLICATION.** :: ::



INDEX TO ISSUE OF DECEMBER 10, 1931

National Broadcasting Company, Inc.
GENERAL LIBRARY
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Court Asked To Invalidate Commission's High Power Ruling.....	2
Suit Against Grigsby Dismissed.....	2
Rep. French To Offer Lottery Bill.....	3
Chicago Stations Band To Eliminate Unethical Advertising.....	3
Navy Radio Facilities Improved Last Year.....	4
Commission Cannot Make Solvent Broadcasters Pay Bills.....	4
Arcturus Develops New Construction For Automobile Tubes.....	5
Two Year Search Ends In Seizing Of Coast Station.....	6
Supreme Court Asked To Review KGEF Case.....	6
Press Agent Material Almost Swamps Radio Editors.....	7
Correction.....	8
Sees It In The B. L. First.....	8
Business Letter Briefs.....	9
Applications Received By Federal Radio Commission.....	9
Decisions Of The Federal Radio Commission.....	11
Appeal On Frequencies Filed By R.C.A.....	12
Five Per Cent Radio Tax Proposed.....	12
Commission Asks Permission To Dispose Of Files.....	12

No. 493

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COURT ASKED TO INVALIDATE COMMISSION'S HIGH POWER RULING

The right of the Federal Radio Commission to limit the number of radio stations allowed to use maximum power to four in each of the Five Zones into which the country is divided is being questioned by five of the stations whose applications were denied in the recent high-power decisions. The stations have asked the Court of Appeals of the District of Columbia to reverse the Commission action, declaring the ruling to be invalid and not in the public interest.

The appealing stations are WGN, the Chicago Tribune, Chicago; WHAM, Stromberg-Carlson Telephone Mfg. Co., Rochester, N. Y.; WMAQ, WMAQ, Inc., Chicago; KGO, General Electric Co., Inc., San Francisco; and WJZ, Radio Corporation of America, New York City; the latter three affiliated with the National Broadcasting Company.

The NBC, through Attorneys A. L. Ashby and E. Stuart Sprague, brought out the fact that the hearings held on original applications for increased power "raised the question of the validity of the attempted amendment to General Order 42 and repeatedly asserted and introduced evidence that established the validity thereof."

The attorneys also point out the original stand of Chief Examiner Ellis A. Yost, who "concluded and so reported that public interest, convenience and necessity required that General Order 42 be further amended to permit the use of 50,000 watts on all clear channels."

Testimony offered by expert engineers is cited, in an effort to show the court that "there is no technical reason why all clear channel stations should not use at least 50,000 watts, but on the other hand there is every technical reason why they should use at least that much power."

The Commission probably will file oppositions to these appeals in the near future.

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SUIT AGAINST GRIGSBY DISMISSED

In the United States District Court for the Southern District of New York, Judge Patterson dismissed the suit against Grigsby-Grunow Company and B. J. Grigsby brought by Sulzbacher, Granger & Company, stock brokers of New York City.

This suit was for three and one-half million dollars, being a claim for alleged loss of profits and commissions due to the failure of Grigsby-Grunow Company to complete the formation of a British company in the Summer of 1929 for the manufacture of Majestic radio products in Great Britain.

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REP. FRENCH TO OFFER LOTTERY BILL

A bill prohibiting the advertisement or operation of lotteries and gift enterprises by radio will be introduced by Representative French, Republican, of Idaho.

"It has been brought to my attention that a number of radio stations are lending themselves to the promulgation of advertising lotteries and other gambling programs", Mr. French explained. "The people of the United States, in my judgment, cannot support any such procedure. We have forbidden the use of the mails, newspapers, and agencies engaged in interstate commerce for the handling and promotion of lotteries and other gambling schemes. The proposed legislation is precisely in line with the best thought and practice in the United States, and I believe it will commend itself to the approval of Congress."

The bill follows in full text:

"Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, that Section 29 of the Act entitled 'An Act for the regulation of radio communications and for other purposes', approved Feb. 23, 1927 (U.S.C., Supp. III, Title 4, Sec. 109), as amended, is amended by adding a new sentence at the end thereof to read as follows: 'No persons within the jurisdiction of the United States shall, by means of radio communication, announce, advertise, or conduct a lottery, gift enterprise, or similar schemes offering prizes dependent in whole or in part upon lot or chance, or announce or advertise any list, or part thereof, of prizes drawn or awarded by means of any lottery, gift enterprise, or similar.'"

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CHICAGO STATIONS BAND TO ELIMINATE UNETHICAL ADVERTISING

Representatives of 20 radio broadcasting stations in the Chicago area met with officials of the Better Business Bureau in a conference preliminary to drawing up an agreement to guarantee truth and accuracy in radio advertising.

Various proposals to make certain that all radio advertising conforms to certain ethical standards were considered.

"We believe there are more unethical practices in some radio broadcasting than there ought to be", Flint Grinnell, head of the Chicago Better Business Bureau declared, "and we wish to eliminate it. One of the practices which must be discontinued is to 'bait' advertising; that is, advertising merchandise at prices lower than the advertiser sells it at."

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NAVY RADIO FACILITIES IMPROVED LAST YEAR

In the annual report of Rear Admiral S. M. Robinson, Engineer-in-Chief of the Navy, progress was reported in the Radio Division.

Admiral Robinson said that radio communication facilities of the fleet and shore systems had improved from 60 to 75 per cent during the year. He continued:

"Equipment has been developed for radio control of mobile targets and one light target vessel equipped therewith. Investigations have been conducted, in cooperation with the Bureau of Medicine and Surgery, in determining the hazards of high-frequency radio currents to personnel and the service notified regarding precautions to be taken. * * *

"Generators have been standardized so that, with five exceptions, all destroyers of the scouting force and battle force have the same type machines. All Westinghouse generators installed on the destroyers or light mine layers in commission have been, or are being, modernized. * * *

"In view of the present commercial facilities for handling traffic in various remote localities, five radio-traffic stations have been placed out of commission, resulting in a proportionate saving of funds.

"The development of new types of improved underwater sound detection apparatus has progressed satisfactorily. * * * The program of installing echo-sounding systems on the more important vessels of the fleet is being continued and the older systems are being improved.

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COMMISSION CANNOT MAKE SOLVENT BROADCASTERS PAY BILLS

A complaint to the Federal Radio Commission about non-payment of bills by a broadcasting station received the following reply:

"In reply to your letter - in which you make inquiry concerning a proper place to register complaints that particular radio stations fail to pay their bills or observe their contracts, you are informed that this Commission has no authority by which it may interfere in the private affairs of its licensees, and, therefore, may not require either that a station pay its bill or observe its contracts. The Commission is, of course, interested in the proper operation of a radio station and anything that indicates a station is not operating in the public interest or does not have the

financial ability to enable it to properly operate will be of concern to the Commission.

"Insofar as failure to pay bills is concerned, it is suggested that in the event the claim is reduced to judgment and the judgment is not satisfied, the matter be called to the attention of the Commission.

"You are assured that any complaint you desire to make along these lines will receive careful consideration.

"Yours very truly,

(Signed) "James W. Baldwin,

"Secretary."

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ARCTURUS DEVELOPS NEW CONSTRUCTION FOR AUTOMOBILE TUBES

With automobile sets coming into wider use, it became evident that there was considerable room for improvement in types '36, '37 and '38 automotive receiving tubes. Longer and more dependable life was highly desirable; it was also advisable to eliminate fluctuations in current draw caused by the jarring of the coiled filament against the insulator which resulted in noisy and defective reception.

To overcome the deficiencies characterized in this series of tubes and in bringing about the much desired improvements, Arcturus utilized a new "M" filament which added to the life and was confined in such a way as to eliminate fluctuation in current as well as noisy reception.

Because of the broader use for these tubes including the a.c. field, they have been designated as types 136", 137A and 138A. The rugged design and compact size of these types meet the specifications for a universal receiver to operate on either a.c. or d.c.

List prices for these improved tubes are exactly the same as the regular '36, '37 and '38.

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TWO YEAR SEARCH ENDS IN SEIZURE OF COAST STATION

Seizure of an unlicensed short-wave radio station and the arrest of its alleged operator by Federal officers here this week climaxed a two-year search, officers said, and revealed the station has been used to control movements of liquor ships from Alaska to Central America, according to an A. P. dispatch from San Francisco.

The arrested man is Harry Bruce Mowatt, whose home is in San Jose, Calif. He was charged with violation of the Federal radio tariff act and three counts of conspiring to violate the national prohibition act.

The radio set, which agents said was fitted to send for at least 5,000 miles and to receive from farther distances, has been sought since its messages were first intercepted here in California in February, 1930. The set was found in a small house in a residential district.

The code used and the hiding place of the set were changed every few months, the agents declared. They said Mowatt had rented the house under the guise of an art student and was preparing to move again when it was raided.

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SUPREME COURT ASKED TO REVIEW KGEF CASE

The Supreme Court of the United States has been asked to review the decision of the Court of Appeals of the District of Columbia denying a Stay Order to Station KGEF, following the removal of the station from the air by the Federal Radio Commission.

The petition to the Supreme Court claims that the Federal Radio Commission unlawfully exercised the power of censorship in denying Station KGEF a renewal of its license. The petition is filed in the name of the Trinity Methodist Church, South, of Los Angeles, of which the Rev. Bob Shuler is the pastor.

The petition, filed by Counsel Louis G. Caldwell, sets forth that the decision of the Commission "manifestly constitutes the exercise of censorship and an abridgement of free speech in violation of constitutional and statutory rights." The denial of a Stay Order is also claimed to constitute the exercise of censorship on the part of the Court of Appeals.

"A license to operate a broadcasting station", the petition reads, "is not a mere privilege subject to defeasance at the mere whim of the Federal Radio Commission; a licensee has the continuing right to renewal subject only to the final determination that further

operation will not meet the statutory standard of public interest, convenience and necessity."

In asking consideration of the case, the petition declares that "with particular reference to radio broadcasting, the case presents questions of general importance and of substance which have not been settled by this court, relating to the construction and application of the First and Fifth Amendments to the Constitution and of Sections 11 and 29 of the Radio Act of 1927."

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PRESS AGENT MATERIAL ALMOST SWAMPS RADIO EDITORS

Although economies are the order of the day, never have radio editors been so deluged with press agent material and never has so much of it found its way so quickly into the discard. Thus frequently big stories, which really deserve some attention, are lost in the shuffle and the main object of an otherwise helpful service is defeated. If a radio editor were to take all the time necessary to carefully go over the material he receives each day from gratuitous sources, he would hardly have time left to do anything else.

Along with the dozens of photographs that pour in, a radio editor is taxed to the utmost trying to keep track of it all. The net result is a hasty reading of the matter and larger wastebaskets in the newspaper offices.

It is a fact that one day recently almost 100 pages of press material were received. Figuring 300 words to each typewritten page, this would amount to about 30,000 words, and figuring 1,000 words to a column, the single day's output, if set up in type, would aggregate more than three solid pages of an 8-column newspaper.

Not only could the networks and program sponsors save money in postage and labor by describing their events more briefly, but they could do their job better by emphasizing the really worthwhile features instead of keeping the loud pedal on all the time trying to magnify broadcast events or plug stars out of proportion to their importance.

Newspaper editors everywhere are cutting down on all space, particularly radio. It is about time for wise press agents, if they are not already aware of this movement, to wake up to the situation, eliminate the trivial gossip, and be a little briefer with their more important announcements.

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C O R R E C T I O N

The following correction has been received from Louis G. Caldwell:

"I am writing to ask you to correct a statement contained on page 4 of your Business Letter for December 3, 1931, concerning a hearing held before the Federal Radio Commission on November 30th, on an application by Knickerbocker Broadcasting Company for television privileges. The statement is inaccurate (although I am sure unintentionally so) in a respect very important to Radio Pictures, Inc., which appeared as a respondent in the hearing.

"The statement is to the effect that Radio Pictures, Inc. urged that it had priority rights on one of the experimental television channels. No such contention was made and on the contrary it was distinctly negatived. Mr. John V. L. Hogan testified to the very extensive experimental work which his corporation is now carrying on in television and the importance of being permitted to continue the experimentation during the hours which are now being devoted to the purpose. He asked that the Commission give him as much protection as possible against interruptions which would retard or make impossible certain experimentation he is carrying on, and that in acting on the application which was then being heard, the Commission take all such factors into consideration so that the least hardship would result to the carrying on of either his or any other bona fide system of experimentation."

(Signed) Louis G. Caldwell

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SEES IT IN THE B. L. FIRST

The following comment was made by a well-known radio manufacturer:

"I enjoy very much reading the Heintz Radio Business Letter and hope you keep the good work up as you seem to have quite a variety of news which does not appear until very much later in the trade publications."

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: BUSINESS LETTER BRIEFS :

A tide of fan mail increasing in volume daily has forced the Columbia Broadcasting System to move its mail receiving room to new quarters in its New York office building, with four times the space previously allotted to it. A new high record for audience mail received in one day was set recently when a few more than 50,000 letters and telegrams were delivered.

According to the statistical department of the network, the count was of mail received at the Columbia offices in New York, Chicago, Philadelphia and Los Angeles, and did not include any of the almost equally large mail addressed directly to program sponsors.

"Radio Guide", 5¢ weekly, issued by the Pioneer Co., San Francisco, has made its first appearance on the Coast, devoting itself to listing complete radio programs for West Coast reception.

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APPLICATIONS RECEIVED BY FEDERAL RADIO COMMISSION

Dec. 7 - WSVS, Elmer S. Pierce, Principal, Seneca Vocational High School, Buffalo, N. Y., install automatic frequency control; WFOX, Paramount Broadcasting Corp., Brooklyn, N. Y., modify C. P. granted 10/2/31 as to transmitter location; WNAC-WBIS, Shepard Broadcasting Service, Inc., Boston, Mass., determine license power by direct measurement of antenna input; WAAB, Bay State Broadcasting Corp., Boston, Mass., determine license power by direct measurement of antenna input; KWEA, Hello World Broadcasting Corp., Shreveport, La., C. P. amended to request authority to move station from Shreveport to Baton Rouge, La.; KGEZ, Donald C. Treloar & Stanley E. Church, Kalispell, Mont., voluntary assignment of license to Donald C. Treloar (only).

Applications Other Than Broadcasting

Dec. 5-- Aeronautical Radio, Inc.: WEEQ, Orlando, Fla., license covering C. P. for 4164, 6320 kc., 350 watts, point-to-point aeronautical service; also, license covering C. P. for 2964, 5840 kc., 350 watts, aeronautical service; WPEA, City of Syracuse, New York, Syracuse, N. Y., license covering C. P. for 2458 kc., 400 watts, police service; WNY, Radiomarine Corp. of America, Brooklyn, N. Y., license covering C. P. for 143, 500, 135, 170, 442 kc., 1 KW, marine relay and coastal service.

Also, Atlantic Broadcasting Corp.: W2XDY, Portable, initial location, 485 Madison Ave., New York City, renewal of license for 1544, 2476 kc., 50 watts, temporary pickup for rebroadcast; W2XDZ, Portable, same request as for W2XDY; W9XAB, Chicago Federation of Labor, Portable, initial location, Chicago, Ill., renewal of special experimental license for 1564, 2368 kc., 7.5 watts.

Dec. 7 - Aeronautical Radio, Inc.: WSDM, Albany, N. Y., WSDG, Chicago, Ill., KGUU, Little Rock, Ark., renewal of aeronautical licenses for 3222.5, 3232.5, 3242.5, 3257.5, 3447.5, 3457.5, 3467.5, 3485, 5602.5, 5612.5, 5632.5 kc., 400 watts; Also, same stations, renewal of licenses for 2316, 2356, 4115, 6540, 6550, 6560, 8015 kc., 400 watts, point-to-point, aeronautical service; KGUK, renewal for 2316, 2356, 4115, 6540, 6550, 6560, 8015 kc., 400 watts, point-to-point aeronautical service;

Also, W10XAN, National Broadcasting Co., Portable, New York City, renewal for 17310, 25700, 34600, 51400, 60000-400000 kc., 10 watts, experimental service; W2XBW, Globe Wireless, Ltd., Garden City, L. I., N. Y., renewal of special experimental license for 7430, 7437.5, 7445, 9410, 10930, 14860, 14875, 14890, 18820, 22660 kc., 500 watts; KHAMN, Pan American Airways, Inc., NC-80-V, renewal of aircraft license for 333, 500, 3070, 3076, 5690, 8650, 1688 kc., 12 watts; American Telephone & Telegraph Co.: W2XDO, Ocean Gate, N. J., renewal of special experimental license for 4752.5, 8650, 12840, 17120 kc., 500 watts; W2XA, Rocky Point, N. Y., renewal of special experimental license for 45 to 75 kc., 190 KW; Atlantic Broadcasting Co.: W2XDX, and W2XDW, portables, New York City, renewal of special experimental licenses for 1544, 2476 kc., 1 watt.

December 8 - Inter-Island Airways, Ltd.: NC-112-M, and NC-4V, new licenses for aircraft on 4797.5, 6425, and 2 other near frequencies, 50-75 watts; Aeronautical Radio, Inc.: KGUT, Robertson, Mo., WSDQ, Buffalo, N. Y., WSDQ, Berea, Ohio; WSDI, Cincinnati, Ohio, renewal for 2316, 2356, 4115, 6540, 6550, 6560, 8015 kc., 400 watts, point-to-point service; KGUT, Robertson, Mo., WQDQ, near New Orleans, La., WSDI, Cincinnati, Ohio, WSDQ, Buffalo, N. Y., and WSDQ, Berea, Ohio, renewal for 322.5, 3232.5, 3242.5, 3257.5, 3447.5, 3457.5, 3467.5, 3485, 4917.5, 5602.5, 5612.5, 5632.5 kc., 400 watts, aeronautical service; WSDL, Duluth, Minn., renewal of aeronautical license for 3005, 2854, 5377.5 kc., 400 watts, aeronautical service, and also renewal of point-to-point aeronautical license for 2668, 2672 kc., 400 watts.

Also, Inter-Island Airways, Ltd., NC-111-M, new license for 4797.5, 6425 kc., and 2 other near frequencies, 50-75 watts, aircraft; Joseph Lyman, Plane NC-508W, license for 56 to 60 megacycles, 5 watts, special experimental on plane; W2XK, National Broadcasting Co., Inc., 350 Fifth Ave., New York City, renewal of 4100, 51400, 60000-400000 and above 401000 kc., 2.5 KW, experimental.

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DECISIONS OF THE FEDERAL RADIO COMMISSION

Applications Granted (December 7th)

WGN-WLIB, The Tribune Co., Chicago, Ill., license covering erection of auxiliary transmitter (to be used in case of emergency only), 720 kc., 1 KW; WRBJ, Hattiesburg Broadcasting Co., Hattiesburg, Miss., extension of authority to remain off the air until Jan. 1, 1932; WFOX, Paramount Broadcasting Corp., Brooklyn, N. Y., modification of C. P. to change location authorized by C.P. locally; WSM, National Life & Accident Ins. Co., Nashville, Tenn., extension of C.P. for period of 30 days; KGFW, Central Nebraska Broadcasting Corp., Kearney, Neb., permission to operate with power of 60 watts until new motor generator can be installed; WMSG, Madison Sq. Garden Broadcasting Corp., New York City, authority to discontinue use of studio and transmitter located at 319 W. 49th St., New York City, and to use the studio and transmitter of Station WBNX, Bronx, N. Y.; WBAL-WTIC Consolidated Gas Electric Light & Power Co., and Travelers Broadcasting Service, respectively, special authorization to extend until Dec. 15th, authority to operate synchronously with WEA and WJZ.

Also, Denver Police Dept., Denver, Colo., extension of equipment test period to Dec. 15, 1931; WCDC, Radio Corp. of America, N.Y. City, authority to operate radio station aboard vessel "Fabia" for 30 days pending receipt of formal application; WGEL, Mackay Radio & Telg. Co., San Francisco, Cal., authority to operate aboard vessel "Stranger" for 60 days pending receipt of formal application; City of San Diego, San Diego, Cal., C. P., aeronautical service; WNW, Tide-water Wireless Telg. Co., Philadelphia, Pa., modification of C.P. (coastal) for extension of commencement date to 60 days after Feb. 24, 1931, and completion date to 1/23/32; WPDW, Metropolitan Police Dept., Washington, D. C., authority to change frequency, authorized to use frequency 2422 kc. in addition to 2410 now designated, special authority to expire Feb. 1, 1932.

Renewal Of Licenses

The following stations were granted regular renewal of licenses: WEDH, Erie, Pa.; WPEN, Philadelphia, Pa.; WRDW, Augusta, Ga.; WSPA, Spartanburg, S. C.; KFJI, Astoria, Ore.; KFJM, Grand Forks, N. Dak.; KFWB, Hollywood, Cal.; KGAR, Tucson, Ariz.; KGDA, Mitchell, S. Dak.; KGFI, Corpus Christi, Tex.; KGFL, Raton, N. M.; KPQ, Wenatchee, Wash.; KRE, Berkeley, Cal.; KREG, Santa Ana, Cal.; KUT, Austin, Tex.; KWKC, Kansas City, Mo.

Applications Denied

The following applications were denied pursuant to G.O. 93, Subtitle B, Sec. 5, and the decision of the Commission in the matter of the applications of various stations for High power as recorded the 17th of November, 1931: WHAM, Stromberg-Carlson, Tel. Co.; WCCO Northwestern Broadcasting, Inc., Minneapolis, Minn.; WGN-WLIB, The Tribune Co., Chicago, Ill.; WTMJ, The Journal Co., Milwaukee, Wis.; KGO, and KOA, National Broadcasting Co., Inc., San Francisco and Denver, respectively; and KPO, Hale Bros. San Francisco, Cal.

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APPEAL ON FREQUENCIES FILED BY R.C.A.

The R.C.A. Communications, Inc. has filed an appeal with the Court of Appeals of the District of Columbia, in response to the petition of the Federal Radio Commission, filed Nov. 25, asking that the court clarify its mandate in which it designated the corporation as recipient of 40 communication frequencies left vacant when the Universal Wireless Communications Company became insolvent.

The Commission's petition stated that because of changed conditions, the court should modify or clarify its mandate. The attorney for the corporation, Swagar Sherley, asked that the Commission be directed to allot the frequencies to the appellant.

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FIVE PER CENT RADIO TAX PROPOSED

The Mellon tax proposals included radio and phonographs, the suggested rate being five per cent. A five to ten cent impost on radio, telephone, telegraph and cable messages was also proposed.

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COMMISSION ASKS PERMISSION TO DISPOSE OF FILES

One of the first papers filed in the present Congress was a communication from the chairman of the Federal Radio Commission, transmitting a report of papers in the Federal Radio Commission which are not needed in the transaction of Commission business. The request for disposal was filed with the Joint Select Committee on the Disposition of Useless Papers in the Executive Departments.

A select committee of three members of the Senate was asked for by Senator Howell, of Nebraska, for the purpose of investigating the practicability of broadcasting proceedings of the United States Senate.

PATENTS, PATENT SUITS AND TRADE-MARK

The following patents were granted during the week ending December 8, 1931:

- 1,834,943. Electron Discharge Tube Actuating Means. Robert D. Duncan, Jr., East Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. Filed February 28, 1930.
- 1,834,975. Radio Circuit. Wilhelm Scheppmann, Berlin-Tempelhof, Germany. Filed January 27, 1927, and in Germany Feb. 3, 1926.
- 1,834,995. Dynamic Speaker. Walter H. Bathrick, Boston, Mass. Filed July 29, 1929.
- 1,835,015. Plate Circuit Excitation. George B. Crouse, Woodcliff, N.J., assignor to Conner Crouse Corporation, New York, N. Y. Filed February 28, 1928.
- 1,835,036. Radio Receiving Set. Frederick A. Gehm, Chicago, Illinois. Filed August 8, 1929.
- 1,835,051. Electron Discharge Device. Frederick L. Hunter, Jr., Towaco, and Sylvester W. Crowley, Weehawken, N. J., assignors to DeForest Radio Telephone & Telegraph Co., Jersey City, N. J. Filed December 15, 1923.
- 1,835,072. Electric Pick-Up Device. Stanley McClatchie, Berlin-Wilmersdorf, Germany. Filed December 3, 1929, and in Germany August 8, 1929.
- 1,835,073. Phonograph Pick-Up Device. Stanley McClatchie, Berlin-Wilmersdorf, Germany. Filed December 5, 1929, and in Germany May 4, 1929.
- 1,835,117. Introduction of Alkali Metals Into Evacuated Containers. John Wesley Marden, East Orange, N. J., assignor to Westinghouse Lamp Company. Filed March 20, 1926.
- 1,835,118. Alkali Metal Tube. John W. Marden, and Ernest A. Lederer, East Orange, N. J., assignors to Westinghouse Lamp Company. Filed June 11, 1928.
- 1,835,121. Voltage Regulating System. Harvey Clayton Rentschler, East Orange, N. J., assignor to Westinghouse Lamp Company. Filed January 20, 1927.
- 1,835,126. Means for Preventing Reradiation In Antennae. Roy A. Weagant, Douglaston, N. Y., and George A. Somersalo, Jersey City, N. J., assignors to DeForest Radio Company, Jersey City, N. J. Filed January 22, 1925.
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- 1,835,156. Method And Apparatus For Converting Direct Current Into Alternating Current by Electrostatically Controlled Oscillations. Louis A. Hazeltine, Hoboken, N. J., assignor to General Electric Company. Filed Nov. 28, 1919.
- 1,835,164. Process for Recording Sound for Talking Machines. Heinrich Kuchenmeister, Berlin, Germany. Filed Oct. 4, 1926, and in Germany October 13, 1925.
- 1,835,226. Method Of and Apparatus For Making Photographic Phonograph Records. Heinrich J. Kuchenmeister, Berlin, Germany. Filed January 3, 1928, and in Germany, January 3, 1927.
- 1,835,387. Electric Wave Generator. Felix Gerth, Berlin-Tempelhof, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Filed November 2, 1926, and in Germany November 24, 1925.
- 1,835,388. High Frequency Modulating System. Felix Gerth, Berlin-Tempelhof, Germany. Filed December 11, 1926, and in Germany December 14, 1925.
- 1,835,395. Power Supply Apparatus. Ernest R. Hentschel, Washington, D. C., John Olson, administrator of said Ernest R. Hentschel, deceased, assignor to Wired Radio, Inc., New York, N. Y. Filed August 12, 1930.
- 1,835,423. Multiple Cell Reproducing Apparatus. Freeman H. Owens, New York, N. Y., assignor to Owens Development Corp., New York, N. Y. Filed April 1, 1929.
- 1,835,509. Vacuum Electric Tube Device. Robert Winstanley Lunt, Chelsea, London, England, assignor to Westinghouse Electric & Manufacturing Co. Filed January 22, 1926, and in Great Britain January 22, 1925.
- 1,835,582. Resistance Unit. Stratford B. Allen, Cambridge, Mass. Filed March 30, 1928.
- 1,835,739. Sound Amplifier. Alexander I. Abrahams, New York, N. Y., Filed August 20, 1927.
- 1,835,761. Signaling System. Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America. Filed June 14, 1929.
- 1,835,781. Amplification of Electric Oscillations. Charles T. Jacobs, Chatham, N. J., assignor to Thomas A. Edison, Inc., West Orange, N. J. Filed September 27, 1930.
- 1,835,783. High Frequency Signaling. Burton W. Kendall, East Orange, N. J., assignor to Western Electric Co., Inc., New York, N. Y. Filed original application Nov. 9, 1926, Patent No. 1,773,901, dated August 26, 1930. Divided and this application filed October 26, 1928.

- 1,835,794. Phonograph. Charles P. Madsen, New York, N. Y., assignor, by mesne assignments, to William W. Varney, Baltimore, Md. Filed May 1, 1925.
- 1,835,795. Sound Transmission. Warren P. Mason, East Orange, N. J., assignor to Bell Telephone Laboratories, Inc., New York, N. Y. Filed June 14, 1929.
- 1,835,934. Radio Apparatus. Warren E. Danley, Highland Park, Ill. Filed March 25, 1926.
- 1,835,962. System For Modifying Sound Records. Roy J. Pomeroy, Hollywood, Calif. Filed March 10, 1928. Renewed June 6, 1931.
- 1,836,000. Repeater For Signaling Circuits. Ronald V. Morgenstern, Metuchen, N. J., assignor to The Western Union Telegraph Co., New York. Filed Feb. 7, 1930.

Reissues

- 18,274. Translating Device. Ralph V. L. Hartley, South Orange, N.J. assignor to Western Electric Co., Inc., New York, N. Y. Original No. 1,565,566, dated Dec. 15, 1925 filed June 25, 1923. Application for reissue filed December 15, 1927.
- 18,281. Radio Loud Speaker. Charles Hugh Duffy, Miami, Fla. Original No. 1,818,987, dated August 18, 1931, filed June 30, 1930. Application for reissue filed October 13, 1931.

Adverse Decision In Interference

- Pat. 1,648,808, L. A. Hazeltine, Wave Signaling System, decided that the respective patentee was not the first inventor with respect to claims 1, 2, 3, 5, 14, 15, 17 and 18.

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; 1,313,094, I. Langmuir, System for amplifying variable currents, D. C., S. D. N. Y., Doc. E 60/125, Radio Corp. of America et al. v. The Poughkeepsie Gold Seal Electrical Corp. Consent and order of discontinuance (notice Sept. 28, 1931).

- 1,231,764, F. Lowenstein, Telephone relay; 1,403,475, H. D. Arnold, Vacuum tube circuit; 1,465,332, same, Vacuum tube amplifier, filed June 8, 1931, D. C., S. D. N. Y., Doc. E 60/124, Radio Corp. of America et al. v. The Poughkeepsie Gold Seal Electrical Corp. Consent order of discontinuance (notice Sept. 28, 1931).
- 1,456,528. H. D. Arnold, Electric discharge device; 1,459,412, A. M. Nicholson, Thermionic translating device, D. C. S. D., N. Y., Doc. E 54/29, Radio Corp. of America et al. v. The Dale Co., Consent and order of discontinuance notice Sept. 28, 1931). Doc. E 46/308, Radio Corp. of America et al. v. Gold Seal Electrical Co., Inc. Decree as above.
- 1,558,437, I. Langmuir, Electrical discharge apparatus; Re. 15,278, same, Electron discharge apparatus; 1,537,708, W. Schottsky, Thermionic vacuum tube; 1,696,103, G. Seibt, Electric discharge tube, D. C., S. D. N. Y., Doc. E 54/30, Radio Corp. of America et al. v. The Dale Co. Consent order of discontinuance (notice Sept. 28, 1931).
- 1,757,357 (a) Cramer & Cramer, Electrical condenser; 1,800,719, S. S. Cramer, same, filed Oct. 6, 1931, D. C. S. D., N. Y., Doc E 62/199, Radio Condenser Co. v. De Jur-Amsco, Corp.
- 1,757,357 (b) Cramer & Cramer, Electrical condenser; 1,780,172, 1,800,719, S. S. Cramer, same, filed Oct. 14, 1931, D. C., S.D. N. Y., Doc. E 62/251, Radio Condenser Co. v. General Instrument Corp.

Trade Mark Registration Not Subject To Opposition

- 289,886. Stromberg-Carlson Telephone Mfg. Co., Rochester, N. Y. Filed May 24, 1930. Trade-Mark: "BI-RESONATOR" for assembled radio receiving sets. Claims use since May 20, 1930.

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