

# HEINL RADIO BUSINESS LETTER

INSURANCE BUILDING

WASHINGTON, D. C.

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 :: :: **CONFIDENTIAL—NOT FOR PUBLICATION.** :: ::

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No. 503

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BLAINE INTRODUCES RESOLUTION SEEKING FACTS  
FROM ATTORNEY GENERAL IN RCA CASE

It is not known exactly how near the settlement was between the Radio Corporation of America and the Government in the latter's anti-trust suit but negotiations were understood to have reached the last stages. A bombshell was exploded in these proceedings today however when Senator J.J. Blaine (R) of Wisconsin, introduced the following resolution:

RESOLVED, that the Attorney General of the United States is requested to report fully to the Senate at the earliest practicable date upon the present status of the following entitled suit:

In the District Court of the United States of the District of Delaware - Equity No. 793, U.S. of America, vs. Radio Corporation of America, General Electric Company, American Telephone & Telegraph Company, Western Electric Company, Westinghouse Electric & Manufacturing Company, RCA Photophone Company, RCA-Victor Company, General Motors Radio Corporation and General Motors Corporation, defendants, upon any negotiations or conferences which may have taken place between the representatives of the government and the said defendants or any of them and/or their attorneys or representatives, the filing of the petition in the said suit, to wit, May 13, 1930, and upon any action taken by their officers since that date to amend the petition in said action and to expedite the settling thereof and to transmit a copy of the proceedings and said action

AND RESOLVED FURTHER that the Attorney General is requested not to compromise or settle said suit or consent to the entry of the consent decree therein until the Senate has received the information and advices requested herein, to the end that legislation may be initiated for the protection of the public interests and the said guarding of the radio industry.

The resolution was ordered to lie upon the table for consideration tomorrow (Friday) morning. It is understood that the passage of the resolution will be opposed vigorously.

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## THAD BROWN UP FOR SENATE CONFIRMATION.

Col. Thad Brown, General Counsel of the Federal Radio Commission, is now before the Senate awaiting confirmation as a member of the Commission to succeed Judge Ira E. Robinson, who recently resigned. President Hoover sent Colonel Brown's name in Thursday afternoon.

Senator Couzens, of Michigan, head of the Senate Interstate Commerce Committee, had previously served notice that he would oppose the nomination on the ground that the appointment was purely political and that Colonel Brown was not qualified to hold the position.

How vigorous Senator Couzens will be in his opposition remains to be seen. In the meantime, the nomination has been referred to his committee. Inasmuch as the Interstate Commerce Committee has other important matters scheduled, no definite date has been set for the Committee to take up Colonel Brown's nomination. There may be an informal discussion of the matter tomorrow (Friday) morning.

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## WIDE RADIO USE PREDICTED IN CAMPAIGN

With the approach of the presidential campaign the radio will be used more generally than at any previous time in supplying information as to the national problems and issues to be determined in the election, Senator Joseph T. Robinson, of Arkansas, Democrat, Minority Leader of the Senate, observed at the dedication of the National Radio Forum series over NBC. The series had previously been broadcast by Columbia. Introduced by Oliver Owen Kuhn, Senator Robinson declared:

"It is a notable fact that there is every indication the electors will reflect more than ever before their personal views and understanding of issues. This I am happy to declare cannot embarrass results from the standpoint of the interests of the Democratic party.

"Nationwide hookups are the latest and speediest means of carrying first-hand information direct to the people. They tend to stimulate interest in public issues and measures.

"So long as broadcasting is not controlled in the interests of any one party and equal opportunity is afforded the Representatives of the prominent political organizations for the expression of opinion, the most wholesome results may be anticipated."

Senator Robinson went on to say:

"How striking is the contrast between the present means of communication and those which existed when Paul Revere broadcast to his New England neighbors news of the approach of British armies. Now by mass communication one may speak into the microphone and literally send his message to millions in the twinkling of an eye. This process of communication is recognized as one of the outstanding features of our day. I am happy to participate in the inauguration of these programs. They are worthy in purpose and effective in method.

"The power of radio to influence public opinion is very great. It is essential that it be used to best possible advantage, which means that it must be employed in quickening the agencies which make for better social conditions, and improved administration, both of which can be obtained in our form of Government in no other way than through increased intelligence."

of Indiana,  
Speaking on the same program, Senator James E. Watson, Republican Majority Leader in the Senate, said that radio is by far the greatest instrument for the distribution of knowledge and dissemination of information that has yet been devised by the ingenuity of man.

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## RADIO INDUSTRY OPPOSES SALES TAX

That the proposed five per cent sales tax on radio is discriminatory, cannot be absorbed by the industry and must be passed on to the public, will be the gist of opposition against the sales tax to be presented tomorrow, Friday, January 22nd, by the Radio Manufacturers' Association before the Ways and Means Committee of the House of Representatives. The hearing of radio interests was arranged by the RMA and will be in immediate charge of Hon. Frank D. Scott, the Association's legislative counsel in Washington. President Coit, of the RMA, directed, and Bond Geddes, Executive Vice-President, had charge of arranging the industry's presentation to the House Committee.

Several prominent figures of the radio industry will appear at the Committee hearing. These will include President Coit of the Association, Mr. A. Atwater Kent, of Philadelphia, Mr. Arthur T. Murray of Springfield, Mass., President of the United American Bosch Corporation; B. J. Grigsby, of Chicago, President of the Grigsby-Grunow Company, and others. Vacuum tube manufacturing interests will be represented by a committee headed by B. G. Erskine, of Emporium, Pa., President of the Hygrade-Sylvania Corp.

Considerable time has been granted to the radio industry by the House Committee for presentation of facts and data in opposition to the proposed sales tax. The House Committee will be told that the radio industry would much prefer a small general sales tax than to be singled out and discriminated against by a special tax, only newly proposed against radio and automobiles.

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## SEES GOVERNMENT OWNERSHIP ONLY AS THREAT

A confidential news bulletin containing a discussion of current events sent to clients of the McClure Newspaper Syndicate, of New York City, by Richard H. Waldo, its president, contains the following reference to the resolution Senator Couzens introduced as a result of which the Federal Radio Commission was ordered to investigate the radio advertising situation:

"Couzens' threat of government ownership against the radio industry is merely an effort to frighten radio into making some needed corrections in broadcasting.... What Couzens privately has in mind is the subjection of radio broadcasting to the same advertising restrictions as newspapers.... What he hates most is Walter Winchell..... Next to that comes any talk about tooth decay and bad breath at the dinner hour."

Senator Couzens was also reported to have objected to the Lucky Strike advertising.

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## MILLS BACK TO COMPOSERS?

E. C. Mills, President of Radio Music, an NBC subsidiary, is mentioned as successor to J. C. Rosenthal, Manager of the American Society of Composers.

Mills for years was with the Composers, and among those credited with building the organization up to its present importance.

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## SEEKS INTERNATIONAL AGREEMENT ON RADIO WAVELENGTHS

Notice has been served by Senator Dill, of Washington, that unless some steps are taken by the State Department in the near future for a definite international understanding between Mexico, Cuba and Canada on radio wavelengths, he would feel compelled to introduce a regulation to this effect in the Senate.

"I would have the resolution referred to the Committee on Foreign Relations", Senator Dill declared, "and ask for hearings to see whether we can find out the reason why the State Department does not take steps to protect radio stations in this country from interference by these outside stations."

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## RADIO QUOTA PLAN OF FRANCE STUDIED

French restrictions against the importation of American radio sets and tubes is being given consideration by the Department of State with a view to taking some action, it was announced by the Department yesterday (Jan. 20th).

The restrictions work "hardship" on exports from the United States, the Department stated. The announcement follows in full text:

Ambassador Edge has informed the Department that quotas have been fixed covering the importation into France of radio sets, accessories and parts as well as lamps and tubes. During the year 1931, importations of radio sets, accessories and parts from the United States totaled 16,000,000 francs, while lamps and tubes totaled 4,000,000 francs.

The monthly quotas assigned to America represent 75 per cent of the average monthly imports of the past three years on sets and 73 per cent on tubes. The American quota on sets is 166 quintals monthly out of a total of 1,540; and tubes 15 quintals out of 150 quintals. If the quota were based on the 1931 imports, the

quota for the United States would be 293 quintals of sets and 28 $\frac{1}{2}$  quintals of lamps and tubes.

Due to the fact this type of business is developing so rapidly in the United States, the use of old import figures as a basis for figuring the quota works hardship on exports from the United States.

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#### CHAINS ADVERTISING GROSS REPORTED \$35,791,999

The NBC and Columbia chains grossed \$35,791,999 during the past year in advertising, Denney's national sales authority estimates.

Denney's gives NBC receipts as \$25,607,041, and Columbia \$10,184,958. According to this, NBC shows an increase of more than \$3,000,000 during the past year, and Columbia more than \$2,000,000.

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#### ACTION TO INSURE RADIO FREE SPEECH URGED

The Federal Radio Commission would be required to take action to insure the right of free speech over the radio under a resolution (H. Res. 110) introduced Jan. 18th by Representative Amlie. (Rep.), of Elkhorn, Wis.

Mr. Amlie, in a prepared statement issued in connection with the introduction of his resolution, said that he introduced the measure as a result of the recent barring from the air of the Rev. Herman J. Hahn by Station WGR, of Buffalo, N. Y., on the grounds that his sermon was not of the conventional type and that he attacked the unequal distribution of wealth in the United States.

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## MORE ELECTRIC INSTRUMENTS

Describing some of the new electric instruments seen at the "Congress for Radio and Electric Music", in Munich, the Musical Times, of London, reports:

"The 'Trautonium', devised by a Berlin scientist, resembles no existing instrument. It can play by electric production and megaphone any desired tone or interval, and besides can evolve new timbres that differ from those of any known instrument. Moreover, it can imitate existing instruments.

"Another electric instrument called the 'Mellertion' produced sounds of more novel, curious, and grotesque character. The octave is divided into ten parts, and strange intervals arise.

"Two systems of electric pianofortes also were presented for the first time. Oskar Vierling's plan is to transform the customary tone-production of a pianoforte into an electric production

"He has removed the heavy metal resounding board of the pianoforte and placed magnets near the strings, destined to transform the mechanical vibrations of the strings into electric vibrations, from which the modified and purified tone reaches the megaphone, which finally makes it audible. He can also assimilate the pianoforte tone to that of the organ, string, or wind-instruments."

"The Nernst electric piano is ready for sale, and its price is considerably less than that of a corresponding Bechstein grand pianoforte. It adds to the tonal effect of the pianoforte the faculty of prolonging a tone and of making a crescendo or diminuendo. Moreover, the instrument can at the same time perform the services of a phonograph and of a radio.

"The most phenomenal piece of work, recently finished, is a large and powerful electric organ, with not a single organ-pipe. The fine 32-foot sub-bass is represented by a piece of an old iron stove-pipe in connection with a membrane. At this summer's festival plays at Baireuth, Mager was commissioned to construct the bells for the 'Parsifal' performances. Mager devised electric bell-music of much finer effect, utilizing Javanese gongs. The sound seemed to come from mysterious heights far away."

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## BING ALMOST DOUBLES SALARY

Bing Crosby's new personal appearance contract with Paramount calls for \$4,000 a week. His first public appearances, following attention attracted by radio, brought him \$2,500 a week.

Richard Tauber is to receive \$1,000 each for his radio performances.

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## ZENITH HEAD DECRIES U. S. OWNERSHIP OF BROADCASTING

The attack which Paul B. Klugh, former President of the Radio Manufacturers' Association, made on Senator Couzens, of Michigan, in connection with the latter's resolution for an inquiry into the radio broadcasting situation has received wide attention. Both the Associated Press and United Press sent out stories.

"Paul Klugh, Vice-President of the Zenith Radio Corporation, told the radio industry that Government ownership and operation of broadcasting stations would lower the standard of programs at the expense of the public", the Associated Press dispatch read.

"The occasion for the warning, he said, was the resolution introduced in the Senate by Senator Couzens, of Michigan, asking a Congressional inquiry into the use of radio facilities by commercial advertisers and the feasibility of Government ownership and operation of broadcasting stations.

"Klugh, speaking before the annual meeting of the National Federation of Radio Associations, declared it would be impossible for the Government to collect a tax on the 18,000,000 receiving sets in the Nation that could meet the present outlay of \$100,000,000 every year for programs.

"A mediocre class of programs would result, he said, as the consequence, and the taste of the American public for radio entertainment, highly developed through superior broadcasts, would degenerate."

"Sen. James Couzens (R., Mich.) was soundly criticized for 'fighting radio broadcasting' and admonished to 'stop rocking the boat'", the United Press story read. "There is no need for change in the present system of broadcasting. Radio advertising controls itself automatically because listeners will tune out objectionable and over-zealous advertising programs."

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## SUPREME COURT REFUSES TO REVIEW KGEF DELETION ORDER

The Supreme Court of the United States announced on Jan. 18th its refusal to review a case in which it was sought to test the constitutionality of the Federal Radio Act of 1927.

The petition for review in the case of Trinity Methodist Church, South, v. Federal Radio Commission, No. 559, was denied by the court.

The decision of the court was also sought by the petition on the question of whether the Radio Commission's refusal to renew a broadcasting license on the ground, in part, that the broadcaster had made unwarranted attacks "sensational in character" on religious organizations, public officials and courts, did not constitute censorship and the denial of the right of free speech in violation of provisions of the Federal Constitution.

The petition, which was denied, sought a review by the Supreme Court of the decision of the Court of Appeals of the District of Columbia refusing to grant an order to stay the enforcement of the Radio Commission's ruling depriving Station KGEF, at Los Angeles, from broadcasting.

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#### RMA PROTESTS FRENCH DECREE CUTTING IMPORTS

In behalf of the important interests of many radio manufacturers in the French market, action against the January decree of the French Government limiting radio imports under severe quotas has been taken by the Radio Manufacturers' Association. A formal protest to the State Department was made January 20th, charging unfair discrimination against American radio exporters. This will be followed by other appropriate and advisable action as the American radio exports to France, according to the latest available figures, during 1930, aggregated over \$1,000,000.

The RMA protest to the State Department followed conferences between the Association's officers and Arthur Moss, of New York, Chairman of the Association's Foreign Trade Committee. Many requests for action by and assistance of the RMA were received from members. Cablegrams also were received from American import representatives in Paris.

According to advices to the RMA, the French decree would limit importation of American radio sets to about 600 monthly. Germany's quota would be about three times and Holland's five times the American import allowance. In view of the distance and freight factors involved, this apparent discrimination by France against American radio manufacturers would be even greater.

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## FIRESTONE BARYTONE INJURES FOOT DURING OPERA

Lawrence Tibbett, Voice of Firestone barytone, was injured Monday night at a performance of Deems Taylor's opera, "Peter Ibbetson". When Mr. Tibbett crashed open a window at the end of the last act, a sliver of glass penetrated his shoe, cutting a vein in his arch.

Mr. Tibbett was unable to go to the opera house on Tuesday for rehearsal of the title role of "Simone Boccanegra" but expected to be able to attend the company rehearsals on Wednesday.

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## APPLICATIONS RECEIVED BY RADIO COMMISSION

January 18 - WALR, Roy W. Waller, Zanesville, Ohio, C.P. to make changes in equipment, and requesting further approval of transmitter location at 306 $\frac{1}{2}$  Main St., Zanesville; WSMB, WSMB, Inc., New Orleans, La., C.P. to move transmitter, exact location to be determined by field tests; F. A. Martin & William Ross, Alamo Heights, Texas, C.P. for a new station to use 1050 kc., 100 watts, share with KNX; WMBI, The Moody Bible Institute Radio Station, Chicago, Ill., install automatic frequency control; WGN-WLIB, The Tribune Company, Chicago, Ill., voluntary assignment of license to WNG, Inc.; KIDO, d/b as Boise Broadcast Co., Boise, Idaho, install automatic frequency control.

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## DECISIONS OF THE FEDERAL RADIO COMMISSION

### Applications Granted (January 19, 1932.)

WGY, General Electric Co., Schenectady, N. Y., C. P. to make changes in equipment to conform to General Orders 111, 115 and 116; KMPC, R. S. MacMillan, Beverly Hills, Cal., modification of C.P. to extend completion date to Feb. 25, 1932; KXRO, KXRO, Inc., Aberdeen, Wash., license covering new equipment 1310 kc., 100 watts, unlimited time; WJSV, The Independent Publishing Co., Alexandria, Va., consent to voluntary assignment of license to WJSV, Inc.; WHEC-WABO, Hickson Electric & Radio Corp., Rochester, N. Y., consent to voluntary assignment of license to WJSV, Inc.; WCCO, Northwestern Broadcasting, Inc., Minneapolis, Minn., authority to install 50 KW, transmitter at present site of 5 KW transmitter.

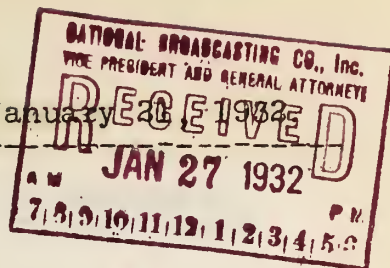
Also, WTAG, Worcester Telg. Publishing Co., Inc., Worcester, Mass., special 30 day authority to use 500 watts daytime, on exp. basis, at times and under conditions prescribed by Engineering Division, in order to determine whether any objectional interference would result from increased power; KFEQ, Scroggin & Co. Bank, St. Joseph, Mo., authority to operate from 11:30 P.M., CST on Jan. 22nd, to 12:30 A.M., Jan. 23rd, in order to broadcast program by National Veterans of Foreign Wars; KSL, Earl J. Glade, Salt Lake City, Utah, special 15 day extension of provision three of 50 KW, C.P., regarding selection of site; KROW, Radio Station KROW, Oakland, Cal., extension of program test period of 15 days from January 16th, pending action on application of license.

Also, Aeronautical Radio, Inc.: at San Diego, Cal., C.P., aeronautical and point-to-point aeronautical service; KGUH, Waco, Texas, 2 licenses, point-to-point aeronautical and aeronautical service; W9XP, Press Wireless, Inc., Chicago, Ill., modification of C.P., to change location to Elgin, Ill., and extend completion date to June 30, 1932; KVP, City of Dallas, Dallas, Texas, license for police service, 1712 kc., 150 watts; Transcontinental & Western Air, Inc., NC-11-Y, aircraft license; WOE, Radiomarine Corp. of America, Palm Beach, Fla., authority to continue service tests pending issuance of license; Mackay Radio & Telegraph Co.: KDLS, Ship "Admiral Wood", and KDDI, ship "Admiral Day", San Francisco, authority not to exceed 30 days, to operate radio stations aboard vessels "Admiral Wood" and "Admiral Day"; KILL, John M. Clayton, Dollar Steamship Lines, Inc., Ltd., San Francisco, license to Tacoma Oriental SS Co., to operate station aboard vessel Olympia.

#### Miscellaneous

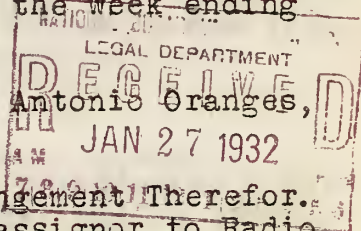
KGY, St. Martins College, Lacey, Wash., hearing on renewal of license scheduled for Feb. 8th, cancelled, station is now operating 12 hours per day.

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## PATENTS, AND TRADE-MARK

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



- 1,841,377. Synchronous Drive For Sound Records. Antonio Oranges, New York, N. Y. Filed May 2, 1929.
- 1,841,383. Thermionic Amplifier and Circuit Arrangement Therefor. Henry Joseph Round, London, England, assignor to Radio Corporation of America. Filed Feb. 18, 1928, and in Great Britain, Feb. 23, 1927.
- 1,841,394. Circuit For Space Discharge Devices. Albert E. Bachelet, Mount Vernon, N. Y., assignor to Bell Telephone Laboratories, Inc., New York, N. Y. Filed May 14, 1931.
- 1,841,427. Electric Tube. Charles Frederic William Bates, Cleveland, Ohio. Filed November 7, 1927.
- 1,841,452. Recording System. Richard Howland Ranger, Newark, N. J., assignor to Radio Corporation of America. Filed February 4, 1930.
- 1,841,459. Frequency Modulation of High Frequency Oscillation Generators. Albert H. Taylor, Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Filed February 11, 1929.
- 1,841,487. Television Apparatus and Method of Televising. William Turnor Lewis, Racine, Wis. Filed July 1, 1929.
- 1,841,489. Oscillation Generator. Warren A. Marrison, Orange, N. J., assignor to Bell Telephone Laboratories, Inc., New York, N. Y. Filed March 24, 1928.
- 1,841,501. Circuits for Electric Discharge Devices. Leon J. Sivian, Bloomfield, N. J., assignor to Western Electric Company, Inc., New York, N. Y. Original application filed Dec. 5, 1923. Divided and this application filed Nov. 23, 1926.
- 1,841,504. Circuit for Electric Discharge Devices. Hugh M. Stoller, Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Inc., New York, N. Y. Filed October 28, 1927.
- 1,841,540. Method of Recording Electrical Impulses for Producing Pictures and Sound. Harry T. Leeming, Jersey City, N. J. Filed May 31, 1928.
- 1,841,582. Electrical Condenser. Preston E. Gilling, Haddon Heights, N. J., assignor to Radio Condenser Company, Camden, N. J. Filed February 27, 1929.
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- 1,841,593. Self-Operating Talking Machine. James H. Benjamin, Chicago, Ill. Filed August 25, 1921. Renewed April 8, 1929.
- 1,841,618. Combination Article of Furniture. Matthew H. Loughridge, Bogota, N. J., and John S. Holliday, deceased, New York, N. Y., by Jennie Margaret Holliday, administratrix, Wilkinsburg, Pa. Filed Feb. 17, 1926.
- 1,841,639. Coupling. Ommo Schmidt, Berlin, Germany, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m.b.H., Berlin, Germany. Filed August 31, 1929, and in Germany September 2, 1928.
- 1,841,654. Short Wave Transmission, Nicolai von Korschevsky, Berlin, Germany, assignor to Gesellschaft fur Drahtlose Telegraphie m.b.H., Berlin, Germany. Filed Sept. 24, 1926, and in Germany Oct. 1, 1925.
- 1,841,658. Sound Amplifier. Theodore Lindenberg, Columbus, Ohio. Filed January 19, 1927.
- 1,841,661. Ground Reservoir. John J. Mannion, Fair Oaks, Pa. Filed September 26, 1928.
- 1,841,765. Control For Electron Tubes. Carroll Stansbury, Wauwatosa, and Glendon C. Brown, Milwaukee, Wis., assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Filed October 30, 1930.
- 1,841,864. Variable Resistance Device. Carl L. Weichelt. Philadelphia, Pa., assignor to Vort Company, Philadelphia, Pa. Filed August 7, 1929.
- 1,841,937. Phonograph Attachment for Moving Picture Machines. Harvey S. Byrd, Norfolk, Va. Filed February 21, 1929.
- 1,841,941. Adjustment Control and Indicator. Harold F. Elliott, Haddonfield, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Filed August 7, 1930.
- 1,841,968. Radio-Surgical Apparatus. Nelson H. Lowry, Chicago, Ill., assignor to William J. Cameron, Chicago, Ill. Filed August 16, 1924.
- 1,842,157. Socket for Electrical Devices. John E. Ferguson, Bloomfield, N. J., assignor to Westinghouse Lamp Co. Filed January 27, 1928.
- 1,842,158. Automatic Seasoning and Testing Machine. John E. Ferguson and Charles A. Nicolai, Bloomfield, N. J., assignors to Westinghouse Lamp Company. Filed December 1, 1928.

- 1,842,161. Electron Emission Material. Mark N. Fredenburgh, East Orange, N. J., assignor to Westinghouse Lamp Company. Filed July 20, 1928.
- 1,842,165. Educational Appliance. Michael M. Guhin, Aberdeen, S.D. Filed September 15, 1930.
- 1,842,176. Electrode Construction. Hugo W. Jones, East Orange, N.J., assignor to Westinghouse Lamp Company. Filed March 30, 1927.
- 1,842,203. Electron-Emitting Device and Method of Preparation. Malcolm N. Rich and Ernest Anton Lederer, East Orange, N. J., assignors to Westinghouse Lamp Company. Filed May 19, 1926.
- 1,842,340. Commutator Construction. Warren S. Eaton, Los Angeles, Calif., assignor, by mesne assignments, to Eaton Radio Instrument Corporation, Los Angeles, Calif. Filed November 28, 1928.
- 1,842,341. Apparatus for Converting Or Transforming Electrical Energy. Warren S. Eaton, Los Angeles, Calif., assignor, by mesne assignments, to Eaton Radio Instrument Corporation, Los Angeles, Calif. Filed November 28, 1928.
- 1,842,342. Radio Dynamic Orientation Means and Method. Warren S. Eaton, Los Angeles, Calif., assignor, by mesne assignments, to Eaton Radio Instrument Corporation, Los Angeles, Calif. Filed March 18, 1929.
- 1,842,343. Method and Apparatus for Indicating Direction. Warren S. Eaton, Los Angeles, Calif., assignor to Eaton Radio Instrument Corporation, Los Angeles, Calif. Filed April 15, 1929.
- 1,842,344. Device for Measuring Electrical Energy. Warren S. Eaton, Los Angeles, Calif., assignor to Eaton Radio Instrument Corporation, Los Angeles, Calif. Filed October 22, 1929.
- 1,842,345. Radio Operated Direction Indicator. Warren S. Eaton, Los Angeles, Calif., assignor to Eaton Radio Instrument Corporation, Los Angeles, Calif. Filed March 3, 1930.
- 1,842,346. Method and Apparatus for Radio Operated Steering. Warren S. Eaton, Los Angeles, Calif., assignor to Eaton Radio Instrument Corporation. Filed December 3, 1930.
- 1,842,347. Method and Apparatus for Determining Direction. Warren S. Eaton, Los Angeles, Calif., assignor to Eaton Radio Instrument Corporation, Los Angeles, Calif. Original application filed Feb. 23, 1928. Divided and this application filed July 31, 1931, and in Germany July 23, 1929.

- 1,842,351. Connection for Power Amplifiers. Carl F. Goudy, Flushing, N. Y., assignor to Pacent Electric Company, Inc., New York, N. Y. Filed June 22, 1926.
- 1,842,364. Electrical Filter System. Gebard J. Kelley, New York, N. Y., assignor, by mesne assignments to Radio Corporation of America, New York, N. Y. Filed July 20, 1928.

#### Patent Suits

- 1,789,949, A. Georgiev, Electrolytic cell, filed July 7, 1931, D. C., E.D. N.Y., Doc. E. 5559, Aerovox Wireless Corp. v. S. Roth (Federal Purchaser)
- 1,797,205, H. W. Houck, Electron tube apparatus, filed August 13, 1931, D.C. Del., Doc. E 901, Dubilier Condenser Corp. v. Pilot Radio & Tube Corp.

#### Trade-Mark Not Subject To Opposition

- 290,982. Albert E. Koch, San Francisco, Calif. Filed Oct. 27, 1931. "REST-TIME CONTROL". For Remote Control for Radio Receiving Sets. Claims use since August 1, 1930.

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