

HEINL RADIO BUSINESS LETTER W.C.S.

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 :: :: **CONFIDENTIAL—NOT FOR PUBLICATION.** :: ::

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FEB 10 1931

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W. C. STONE

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NBC UNITES THREE BOOKING BUREAUS

George Engles, Vice-President of the National Broadcasting Company and Managing Director of its NBC Artists' Service, announced Wednesday that this company has completed negotiations for uniting artist booking organizations whose yearly business totals \$10,000,000, representing the largest booking bureau in the world.

By arrangement with RCA Victor Company, NBC Artists' Service assumes charge of booking all artists and organizations making records for this company.

The Victor artists include: John McCormack, Paderewski, Chaliapin, Rachmaninoff, Harry Lauder, Gigli, Bori, Stokowski and the Philadelphia Orchestra, Boston Symphonic Orchestra, Galli Curci, Lawrence Tibbett, Mischa Elman, Walter Damrosch, Marion Talley, Maurice Chevalier and the Metropolitan Opera Company.

NBC Artists Service has also acquired an extensive interest in Civic Concert Service, operating concert courses in 182 cities. The two organizations will work together on a plan originated by Miss Dema Harshbarger, President of Civic Concert Service, Inc., for promoting concert courses throughout the United States.

Engles also stated that in order to devote all of his time to other major developments of international importance in the concert and entertainment field for the National Broadcasting Company, he will relinquish his duties as head of the NBC Program Division.

New contracts with individual artists bring to NBC Artists' Service 105 major concert and opera stars and 250 radio artists.

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HARBORD SPEAKS IN ST. LOUIS

The history and present status of radio in America were outlined by Gen. James G. Harbord, Chairman of the Board of the Radio Corporation of America, on Wednesday, before the St. Louis Chamber of Commerce. His topic was "American Leadership in Radio Communications."

"The supremacy of America in radio communication has just enough challenge to prove its reality", he said, "and the Radio Corporation claims to have been the principal factor in establishing such supremacy."

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R. M. A. DIRECTORS MEET IN CHICAGO

Four Chicago hotels were engaged for the Fifth Annual Convention and Trade Show of the Radio Manufacturers' Association next June by the RMA Board of Directors in a recent meeting. President Morris Metcalf, of Springfield, Mass., presided, and the Association Directors took important action on many broadcasting, legislative and other policies and toward development of services for RMA members and the industry.

The hotels with which contracts were signed are the Stevens, Blackstone, Congress and Auditorium, all on Michigan Avenue.

Two new Directors - E. E. Shumaker, President of RCA Victor Company of Camden, N. J., and Meade Brunet, Sales Manager of RCA Radiotron Company, of Harrison, N. J., were elected to the RMA Board to fill vacancies caused by the resignations, respectively, of J. L. Ray, formerly Vice President and General Sales Manager of RCA Victor Company, and G. K. Throckmorton, Executive Vice President of E. T. Cunningham, Inc.

Cut-price "bargains" in radio receiving sets, due to distress merchandise of a few manufacturers, are vanishing rapidly, according to a survey of the radio industry made at the conference. Distress merchandise, confined to a very few radio manufacturers, is being disposed of rapidly and will be liquidated within sixty and possibly thirty days, it was the consensus of opinion of the industry leaders.

Fewer failures among radio manufacturers last year than in 1929 were reported by RMA officers. During 1930, there were officially reported twenty-two failures of radio manufacturers involving \$4,300,000, and one credit extension granted involving \$400,000. This compares with twenty-five failures involving over \$12,000,000, and credit extensions to three concerns involving a little over \$4,000,000 in 1929.

The Board of Directors received reports from Mr. C. C. Colby, of Canton, Mass., Chairman of its Legislative Committee, and Mr. H. B. Richmond, of Cambridge, Mass., Director of its Engineering Division, and decided to oppose changing the present broadcast band, as is being urged by some foreign interests.

The Directors also agreed to continue urging the Federal Radio Commission to grant applications of many broadcast stations for high power on clear channels and to reduce the present number of broadcast stations by eliminating small stations not doing a public service.

The RMA will cooperate with the State Department and the Federal Radio Commission in collecting information on the Mexican stations' interference and press for operating conditions which will alleviate present interference. Mexico is not a party to the

International Radio Conference and during recent months some Mexican stations have been using broadcast channels occupied by stations in this country, according to Mr. Frank D. Scott, Washington counsel for the RMA.

The Directors also will urge passage by Congress of the bill transferring the Radio Division of the Department of Commerce to the Federal Radio Commission. It was also decided to oppose the bill which would set aside fifteen per cent of the radio broadcast band for educational purposes. The radio industry believes that allocation of broadcast facilities is an administrative and not a legislative function and should be left to the Federal Radio Commission.

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DEFOREST FILES SUIT AGAINST R. C. A.

The DeForest Radio Corporation this week filed a bill in the United States District Court at Wilmington, Del., against the Radio Corporation of America, alleging conspiracy in restraint of trade and violation of the Sherman Anti-Trust Act, according to the Associated Press. The dispatch continues:

"The bill particularly mentions the 'superheterodyne' circuit as the basis for the charges. It alleges that many radio set manufacturers are 'coerced, intimidated or compelled' by the R. C. A. to become licensors of the R. C. A. patents.

"The bill asks that R. C. A. be enjoined from using the patents to the injury of the plaintiff, from unfair competition, from intimidation and compulsion by threat or patent infringement suit, and from forcing breach of contract between radio set manufacturers and other concerns, particularly customers of the plaintiff.

"A temporary injunction covering the same restrictions and damages also was asked. The suit was filed by Charles G. Munn, President of the DeForest Corporation, through counsel."

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REHEARING DENIED IN WHAM CASE

The District of Columbia Court of Appeals has denied the petition of the Federal Radio Commission for a rehearing of the Stromberg-Carlson Telephone Manufacturing Company (WHAM) case. The Commission had claimed that the Court erred in upholding a preliminary injunction previously granted by the District Supreme Court restraining the Federal body from changing WHAM's assignment.

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SUES FOR ISSUANCE OF PATENT

Harry Preston Pratt, of Chicago, has filed suit against Thomas E. Robertson, Commissioner of Patents, in the equity side of the District Supreme Court to compel him to issue a patent upon an improvement in radio apparatus "particularly for creating, transmitting, receiving, detecting, and amplifying radio signals."

The bill of complaint alleges that he made application for the patent in 1923. The Patent Office denied the request and their decision in July, 1930, was upheld by the Board of Appeals.

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ROXY TO RETIRE ON MARCH 29

The following was carried by the New York World News Service under a New York date line this week:

"Samuel L. Rothafel, familiarly known as Roxy, will relinquish his management of the Roxy Theater here on March 29, the Board of Directors announced.

"When he returned from a three months' vacation last December, Roxy would neither deny nor confirm a report that he was to be the General Director of the Radio City in the amusement and scientific center being planned in cooperation with John D. Rockefeller, Jr., and the Radio Corporation of America, in 'Rockefeller City.'

"It is believed this is the 'wider field of activity' Roxy plans to enter. He was not available, hence no statement concerning his future plans could be had."

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FIRST TEST OF ILLITERATES REPORTED

"Amos 'n' Andy" and jazz orchestras may have their huge followings in the urban and even up-to-date farm areas, but it's the preachers who are most popular with illiterate radio listeners.

Such was the result of a survey just completed after 25 receiving sets had been placed in the mountainous section within a 25-mile radius of Lincoln Memorial University, Harrogate, Tenn. It was made through the cooperation of Secretary of the Interior Ray Lyman Wilbur, the United States Office of Education, the United States Chamber of Commerce, and the Radio Corporation of America.

Second in popularity with these unread people is the National Farm and Home Hour, while business talks and news flashes come third, a report on the preliminary survey revealed. It was submitted to Secretary Wilbur by H. Robinson Shipherd, President of the University.

Similar studies are being made in scattered sections of the country with approximately 100 sets. The report from Lincoln Memorial University was the first to be received in Washington.

The 25 receivers were distributed as follows: one in a country store, one in a village restaurant, two in High Schools, two in rural elementary schools, and 19 in private homes.

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TECHNICAL POSTS FILLED

Appointment of H. V. Akerberg to the post of Research and Development Engineer, and A. B. Chamberlain to the position of Chief Engineer, has been announced by Edwin K. Cohan, Director of Technical Operations, Columbia Broadcasting System.

Akerberg has been associated with Columbia for two years as its Chief Engineer.

Chamberlain has been Vice-President in Charge of Technical Operations for the Buffalo Broadcasting Corporation. He has been granted an indefinite leave of absence to take over the duties of the new position. In radio a decade, Chamberlain also held posts with the General Electric Company, and the Stromberg-Carlson Company. He also has had active service in the Naval Radio School as instructor. He is a member of the Institute of Radio Engineers.

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COMMISSION ANSWERS WTMJ APPEAL

Declaring that its decision of January 20 does not change the status of WTMJ, operated by the Journal Company, Milwaukee, Wis., nor that of any other station operating on 620 kilocycles, but merely continues conditions as they have existed for the past year, the Federal Radio Commission has just filed in the District Court of Appeals, its answer to WTMJ's petition for a stay order.

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: BUSINESS LETTER BRIEFS :
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Television Station W9XAP, Chicago, this week conducted a successful experiment in broadcasting for a group of financiers a portrayal of an announcer, who spike, and a ticker tape. The test was made by the Chicago Daily News under the direction of Clem F. Wade, President of Western Television Company.

Bond Geddes, Executive Vice President of the Radio Manufacturers' Association, comments that the recent Court decision holding the South Carolina tax on radio receivers invalid is of broad significance.

The opinion holds, he points out, "that radio must be regulated by a central and presumably Federal authority and is not subject to State regulations. Neither under police powers of the State, nor on any other basis, the Court held, can the States interfere with broadcasting."

Merlin H. Aylesworth, President of NBC, and Thomas Shipp, who handles the Atwater Kent publicity, were among a group who attended the artists-writers golf meet in Havana last week. Others in the party were Jefferson Machamer, Frank Craven, Sam Hellman, John La Gatta, Charles Francis Coe and George Palmer Putnam.

The new 48-story building of the Radio Corporation of America in New York will be ready for occupancy in April. It is located at the southwest corner of 51st Street and Lexington Avenue.

The radio editor whose mail is heavy is Darrell V. Martin, of the Pittsburgh Sun-Telegraph.

"I have received more than 6,000 personal letters", Mr. Martin reports, "from our readers last year, but this year is bound to be a record breaker with almost 500 in to date. I try to give this mail my personal attention."

Control of the radio set from any part of the room or house is made possible through the use of the new apparatus now being distributed, known as Westinghouse remote control equipment.

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APPLICATIONS RECEIVED BY THE FEDERAL RADIO COMMISSION

January 26 - WEAF, National Broadcasting Co., Inc., New York, N. Y., license to cover C. P. issued 5/12/30 to install new equipment; WDRC, The Doolittle Radio Corporation, Hartford, Conn., modification of license application amended to request 1 KW day and 500 W. night on 1330 kc.; WHBD, F. P. Moler, Orab, Ohio, request for authority to install automatic frequency control; WSAI, Crosley Radio Corporation, Lessee, Cincinnati, Ohio, modification of license to increase power from 500 watts to 1 KW day and 500 W. night on 1330 kc.; WHP, WHP, Inc., Harrisburg, Pa., modification of license to change hours of operation from sharing with WBAC and WCAH to sharing with WBAK only and synchronize full time with WCAH, WHEC, and WOKO; The Ohio Broadcasting Corporation, transmitter, Cleveland, O., C. P. to erect a new station and to use WALR's facilities, 1210 kc., 100 watts, and unlimited hours; A. E. Hodges and W. R. Winkler, Boone, N. C., C. P., its application amended to request 1200 kc., instead of 1500 kc., 100 W. instead of 15 W., and also amended as to name; application formerly in the name of A. E. Hodges, only; KGVO, Mosby's Inc., Missoula, Montana, license to cover C. P. issued 11/21/30 to erect a new station; KFVD, Los Angeles Broadcasting Co., Culver City, Calif., license to cover C. P. issued 12/19/30 to change equipment; KFSG, Echo Park Evangelistic Association, Los Angeles, Cal., C. P. to change equipment.

January 27 - The Shartenberg Radio Service, Inc., New Haven, Conn., C. P. application to erect a new station to use 930 kc., 250 watts, and unlimited hours; WGCP, May Radio Broadcast Corp., Newark, N. J., license to cover C. P. issued 1/5/31, to install new equipment; WFBL, The Onondaga Radio Broadcasting Corp., Syracuse, N. Y., license to cover C. P. to move transmitter near Collamer, N.Y., install new equipment and increase day power to 2½ KW; WLEY, Carl S. Wheeler, d/b as The Lexington Air Stations, Lexington, Mass., C. P. to install new equipment; WHP, WHP, Inc., Harrisburg, Pa., authority to install special automatic frequency control for synchronization purposes; KDKA, Westinghouse Electric and Manufacturing Co., Pittsburgh, Pa., renewal of special authority to synchronize old and new transmitters until 4/30/31; Harrold E. Warren & Kenneth C. Retzlaff, d/b as Warren & Retzlaff, Muskegon, Mich., C. P. to erect a new station to use 1500 kc., 15 watts, unlimited time; WSOC, A. J. Kirby Music Co., Gastonia, N. C., requests authority to install automatic frequency control; Lynn Dickerson & C. A. Nietert, Brownsville, Texas, C. P. for a new station to use 1420 kc., 100 watts, and unlimited time; Joe K. Jerigan, Cyril W. Reddoch, Julian C. Smith, & John T. Hubbard, d/b as Troy Broadcasting Co., Troy, Ala., C. P. to erect a new station, to use 1500 kc., 50 watts, daytime; Majestic Electric Co., Inc., Perryton, Texas, C. P. to erect a new station to use 660 kc., 100 watts, unlimited time.

Applications Other Than Broadcasting

Jan. 26 - Aeronautical Radio, Inc.: KGTI, Alhambra, Calif., licenses covering C. P. for 2722 kc., 150 watts, for 3350 kc., 150 watts, and for 12180 kc., 500 watts; WNAK, near Litchfield, Ohio, license covering C. P. for 3160 kc., 400 watts; KSV, Amarillo, Texas, license covering C. P. for 2722, 2734, 4108, 6350, 8015, 12180 kc., 150 watts; Pacific Air Transport, Inc.: Plane NC-10346, and Plane NC-10347, new licenses for aircraft on 3160, 3166, 3172, 3178, 5570, 5660 kc., 50 watts; Globe Wireless, Ltd., Cypress, Calif.: KSM, licenses covering C. P. for 460, 4116, 6515, 8630, 11020, 11080, 11140, 11200, 16900, 500, 5525, 11050, 16580, 22100 kc., 1.5 watts, coastal service; also license covering C. P. for 500, 5525, 11050, 16580, 22100, 460, 6515, 8630, 11020, 11080, 11140, 11200, 16900, 22160 kc., 1.5 KW, coastal service.

Jan. 27 - WCK, Detroit Police Department, on Belle Isle, Mich., authority to install automatic frequency control; A. E. Augerson, Jr., Dyersburg, Tenn., new C. P. for 1604 kc., 7½ watts, experimental service; KYG, Globe Wireless, Ltd., Kaena Point, Island of Oahu, T. H., license for 460, 4116, 6515, 8630, 11020, 11080, 11140, 11200, 16900, 22160, 500, 5525, 11050, 16580, 22100 kc., 30 KW, Marine relay service; W8XJ, Radio Corporation of America, Ohio Co., West Dover, Ohio, license covering C. P. for 3106, 3082, 3088, 5540, 3160, 3172, 3178, 5570, 5660 kc., 350 watts, special experimental service; Aeronautical Radio, Inc., Richmond, Va., new C. P. for 3070, 3076, 5690 kc., 350 watts, aeronautical service; City of Charlotte, N.C., Department of Police, Charlotte, N. C., new C. P. for 2416 kc., 50 watts, emergency police service; W9XO, Morkrum Kleinschmidt Corp., Chicago, Ill., assignment of experimental license to Teletype Corp.; W3XZ, C. Francis Jenkins, Washington, D. C., renewal of experimental license for 1604, 2398, 3256, 4795, 6425 kc., 250 watts.

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DECISIONS OF THE FEDERAL RADIO COMMISSION

The Commission on January 27th granted the following applications:

WISJ, Wisconsin State Journal Broadcasting Co., Madison, Wis., license to continue operation on 780 kc., 500 w. day and 250 w. night, unlimited time on experimental basis, extended until a decision is reached by the Commission upon a hearing held on the application for license, this authority not to exceed March 31, 1931; WLCI, Luther Association of Ithaca, N. Y., Ithaca, N. Y., C. P. to make changes in equipment to conform to G.O.'s 91 and 97; WILM, Delaware Broadcasting Co., Inc., Wilmington, Del., C. P. to make changes in equipment to conform to G.O.'s 91 and 97, decreasing maximum rated power of equipment to 100 w.; WJAG, The Norfolk Daily News, Norfolk, Neb., C. P. to move transmitter locally in Norfolk, and change equipment to conform to G.O.'s 91 and 97.

Also, WHBQ, Broadcasting Station WHBQ, Inc., Memphis, Tenn., C. P. to make changes in equipment to conform to G.O.'s 91 and 97; WTAR-WPOR, WTAR Radio Corp., Norfolk, Va., C. P. to move transmitter from Norfolk to Virginia Beach Blvd., 1.7 miles from city limits, and install new equipment to conform to G.O.'s 91 and 97; WBAX, John H. Stenger, Jr., Wilkes Barre, Pa., C. P. to make changes in equipment to conform with G.O.'s 91 and 97; KEX, Western Broadcasting Co., Portland, Oregon, C. P. to make changes in equipment to conform to G. O.'s 91 and 97, increasing maximum rated power of equipment from $2\frac{1}{2}$ KW to 5 KW; KFXF, Colorado Radio Corp., Denver, Colo., C. P. to install new equipment to conform to G.O.'s 91 and 97; KXRO, KXRO, Inc., Aberdeen, Wash., C. P. to install new transmitter to conform to G.O.'s 91 and 97, increasing maximum rated power of equipment to 100 watts and increasing operating power from 75 to 100 watts; WLBC, Donald A. Burton, Muncie, Ind., C. P. to install new equipment to conform to G.O.'s 91 and 97; KGMP, Homer F. Bryant, D.b as Bryant Radio and Electric Co., Elk City, Okla., and KMED, Mrs. W. J. Virgin, Medford, Oregon, authority to install automatic frequency control.

Also, WGST, Georgia School of Technology, Atlanta, Ga., license covering new equipment, 890 kc., 250 w. night 500 w. day, shares with WMAZ; WCAO, Monumental Radio, Inc., Baltimore, Md., license covering C.P. to move transmitter and using it as an auxiliary, 600 kc., 250 w. unlimited; WJAS, Pittsburgh Radio Supply House, Pittsburgh, Pa., license covering C. P., which authorized installation of new equipment and increase in day power; 1290 kc., 1 KW night, $2\frac{1}{2}$ KW day, unlimited time, also to use a composite transmitter of 500 w., maximum power as auxiliary, (which is located at same address as main transmitter); WFDF, Frank D. Fallain, Flint, Mich., license covering changes in equipment and moving of transmitter and studio, 1310 kc., 100 w., unlimited time; WSYB, H. E. Seward, Jr., & Philip Weiss, d/b as Seward and Weiss MusicStore, Rutland, Vt., license covering C. P. for new station, 1500 kc., 100 watts, unlimited; WTBC, Associated Broadcasting Corp., Cumberland, Md., license covering C. P. authorizing new equipment and increase in day power, 1420 kc., 100 w. night, 250 w. day, unlimited; KDYL, Intermountain Broadcasting Corp., Salt Lake City, Utah, authority to measure power by direct antenna input method as given in G. O. 91; WSYB, Seward and Weiss Music Store, Rutland, Vt., authority to continue program test in exact accord with equipment, power, frequency and hours specified in C. P. for period ending Jan. 31, 1931, provided Radio Supervisor is properly notified.

Also, KEML, The Charles Nelson Co., SS "Jacox", temporary authority pending receipt of formal application: calling 500 kc., working 425, radio compass 375 kc., 1 KW power, B emission; W4SR, Herbert Hoover, Jr., Asheville, N. C., temporary authority to operate amateur station pending action on formal application; WNN, Tropical Radio Telegraph Co., Mobile, Ala., C. P. for new transmitter to replace one now licensed, also, C. P. for new transmitter to replace one now licensed; W9XG, Purdue University, West Lafayette, Ind., modification of C. P. extending completion date to 4/1/31; KWO, American Telephone and Telegraph Co., near Sacramento, Cal., consent to voluntary assignment of C. P. to Trans-Pacific Communication Co., Ltd.

Also, KRJ, Federal Station Marketing Service, Sacramento, Cal., authority to install automatic frequency control; Aeronautical Radio, Inc.; KGTR, Robertson, Mo., license, 2722, 2734, 4108 kc., unlimited, 6365, 8015, 12180 kc., day only, 400 watts, A1 emission, also, license, 3082, 3088 kc., unlimited, 5510 kc. day only, 400 watts; KGTA, Winslow, Ariz., KGTC, Kansas City, Mo., WAEE, Philadelphia, Pa. (2) granted licenses; W1XAK, Westinghouse Electric and Manufacturing Co., Chicopee Falls, Mass., license 1604, 2398, 3256, 4795, 6425, 8650, 12850, 17300 kc., 50 KW; W1X1, John Hays Hammond, Jr. Gloucester, Mass., renewal of license; Tropical Radio Telegraph Co.: W5XH, New Orleans, La., and W4XG, Hialeah, Fla., renewals of licenses; W9XI, University of Minnesota, Dept. of Elec. Engr., Minneapolis, Minn., renewal of license; W2XJ, Bell Telephone Laboratories, Inc., Deal, N. J., renewal of license.

Set For Hearing

Howell Broadcasting Co., Inc., Buffalo, N. Y., requests C. P. some frequency around 3000 kc., 250 watts, to be used in the development of a "fool-proof system of train control"; E. Dwight Craig, Indianapolis, Ind., requests C. P. 580 kc., 250 w. unlimited time; KPPC, Pasadena Presbyterian Church, Pasadena, Cal., requests C. P. to install new equipment, increase maximum power of equipment to 100 w., and operating power to 100 w.; WCKY, L. B. Wilson, Inc., Covington, Ky., requests modification of license to increase hours of operation from sharing with WCKY, WCHI, WJAZ, WORD, to unlimited; Don Lee, Inc., Los Angeles, Cal., application for television station in California reconsidered and set for hearing.

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AYLESWORTH OFFERS NBC REPORT

M. H. Aylesworth, President of the National Broadcasting Company, made his report to the members of the Advisory Council of NBC, at their annual meeting on Wednesday.

During the past year, six stations were added to the three networks operated by NBC, he said. This brings the total number of stations served by NBC to seventy-four, requiring 34,500 miles of program wire lines.

Among the statistics included in Mr. Aylesworth's report were:

Receipt of more than two million audience letters, an increase of a million over 1929, and more than six times the number received in 1926.

A personnel of 1,226 persons, exclusive of artists and musicians, which is more than double the number employed by the company two years ago.

Gross revenue in 1930 in excess of \$22,000,000 with 263 sponsors engaging NBC facilities during the year (the gross revenue for 1929, according to Mr. Aylesworth's report last year, was approximately \$15,000,000).

Completion of the new NBC studios in Chicago, which incorporate the most advanced design and construction of broadcasting equipment, and offer not only facilities for every present need, but also provide for the time when television shall emerge from the laboratory.

Members of the Advisory Council who attended the meeting were Dr. Edwin A. Alderman, Walter Damrosch, John W. Davis, Dr. Francis D. Farrell, William Green, Morgan J. O'Brien, Henry S. Pritchett, Andrew W. Robertson, Elihu Root, Mrs. John D. Sherman and Owen D. Young.

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BROADCASTERS DENOUNCE VESTAL BILL

The Vestal copyright bill was roundly denounced this week by representatives of the radio industry and theaters in a hearing before the Senate Committee on Patents. Broadcasting would be greatly imperiled if the measure should become a law, the Committee was told.

Under the measure, which already has been passed by the House, all literary works automatically would become copyrighted. The bill amends and consolidates previous acts respecting copyrights, and would permit the United States to enter the International Copyright Bureau at Berne.

Organizations which opposed the measure at the first day of the two-day hearing included the National Association of Broadcasters, Radio Manufacturers' Association, Radio Protective Association, Motion Picture Theater Owners of America, and the National Association of Retail Druggists.

Opposing primarily those portions of the measure proposing automatic copyright of all compositions without the necessity for their registration in Washington, witnesses held that it "menaced" the future of radio by curtailing the supply of artistic and literary compositions available, and inevitably would result in deterioration of program quality.

Schuetten Offers Amendment

Describing the bill "as one of the most dangerous and most un-American measures ever introduced in Congress", Oswald F. Schuetten, Executive Secretary of the Radio Protective Association, opposed the measure. Adoption in the form in which it has been passed by the House "would stop the progress of literary art in the United States", he said.

"To stop copyright racketeering, we suggest the following amendment:

"It shall be unlawful for any copyright owner to contract, combine or conspire with any other copyright owner or owners, either directly or through any agent or agents, to fix a price or royalty rate for the use of any copyrighted work, and any such act shall be a complete defense to any suit, case or proceedings for any infringement of any copyright of such copyright owner."

William S. Hedges, Chairman of the Executive Committee of the National Association of Broadcasters, outlined the opposition of the Association.

Explaining that the average broadcasting station uses about 200 different pieces of copyrighted music a day, he said the bill would result in "chaos" to the industry and would open the way for "unlimited copyrighted racketeering" by removing the one safeguard of copyright registration. Under the Vestal bill there would be an automatic copyright which would make virtually impossible the determination of whether or not a particular composition is copyrighted, he said.

Broadcasting At Stake

"The very existence of the broadcasters is at stake", he declared, because of the creation under the bill of an "undisclosed monopoly" in copyrights.

Louis G. Caldwell, former General Counsel of the Federal Radio Commission, as counsel for the broadcasters, reviewed in detail their opposition to the measure.

Mr. Caldwell proposed amendments to the bill to protect the interests of the broadcasters, including an amendment to provide that only the station originating the program should be held subject to action in case of suit for violation of copyright in the broadcasting of music.

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PATENTS, PATENT SUITS, AND PRINT

The following patents were granted during the week ending January 27, 1931:

- 1,790,024. Device for Determining the Condition of Transformers. Sigurd Rump, Boston, Mass., assignor to American Brown Boveri Electric Corporation, New York, N. Y. Filed March 2, 1926.
- 1,790,038. Method and Apparatus for Reproducing Images At a Distance. Philip Chalfin and Benjamin Chalfin, Philadelphia, Pa. Filed July 5, 1928.
- 1,790,054. Wave Receiving Apparatus. Percival Edward McIver, Auckland, New Zealand. Filed April 6, 1928, and in New Zealand May 25, 1927.
- 1,790,113. Pressure Frame or Apparatus for Use in the Production of Sound Records. Fritz Schellhorn, Prag-Weinberge, Germany, assignor to Nigrolitwerke, G.M.B.H., Berlin-Weissensee, Germany. Filed November 8, 1928, and in Germany December 9, 1927.
- 1,790,120. Loud-Speaker. Adolph A. Thomas, New York, N. Y. Filed May 24, 1926.
- 1,790,146. Radio Dial Control. Harold R. Hayden, Brooklyn, N. Y. Filed November 18, 1929.
- 1,790,148. Oscillation Generator. Richard C. Hitchcock, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Co. Filed March 25, 1927.
- 1,790,152. Electrical Discharge Apparatus. Albert W. Hull, Schenectady, N. Y., assignor to General Electric Company. Filed October 13, 1922. Renewed September 18, 1930.
- 1,790,153. Electrical Discharge Device and Method of Operation. Albert W. Hull, Schenectady, N. Y., assignor to General Electric Company. Filed October 15, 1927.
- 1,790,165. System for Reducing or Eliminating Reaction. John M. Miller, Philadelphia, Pa., assignor to Atwater Kent Manufacturing Co., Philadelphia, Pa. Filed November 1, 1926.
- 1,790,171. Magnetic Radio Receiver. Joseph Slepian, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Co. Filed April 21, 1921.

- 1,790,197. Receiver for High-Frequency Electric Signals. Walter John Brown, Stockport, and Cecil Reginald Burch, Stretford, Manchester, England, assignors to Associated Electrical Industries Limited. Filed March 31, 1926, and in Great Britain March 31, 1925.
- 1,790,234. Current Filter for Radios. Nicholas Gymnaitis, Santa Barbara, Calif. Filed June 13, 1928.
- 1,790,278. Selective Rhythm Sounder. William Otto Miessner, Milwaukee, Wis. Filed November 14, 1929.
- 1,790,286. Electronic Tube. George Sperti, Covington, Ky., and Lowell M. Alexander, Cincinnati, Ohio, assignors of one-tenth to Allen & Allen, Cincinnati, Ohio. Filed June 12, 1925.
- 1,790,313. Radio Receiving Apparatus. Abraham L. Levin, New York, N. Y., assignor to Lestein Corporation of America, a Corp. of New York. Filed May 22, 1925.
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Arcturus Radio Tube Company, Newark, N. J. Published
October 28, 1930.

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