

WHITE-WHEELER BILL HEARINGS HELD UP UNTIL SEPTEMBER

Senator Wheeler has advised NAB that due to the impending Congressional recess July 1 and because of lengthy hearings current on railroad matters, the White-Wheeler bill hearings will not be held until after the Congressional recess. The senator offered September 1 as a probable date for the hearings.

Senator Wheeler's full statement follows:

"It was stated today, in view of the recess of the Congress expected to begin on July 1 or soon thereafter, and because of the anticipated continuance of pending hearings upon railroad legislation for two weeks or more, it seems unwise to proceed at this time with hearings upon the Radio Bill S. 814, introduced by myself and Senator White.

"I am therefore, after conference with Senator White and with his complete concurrence, postponing the radio hearings until the re-assembling of the Senate after the planned recess. It is my purpose to begin these hearings in the early days of September and to proceed with them uninterruptedly with the hope that the committee may speedily come to a definite conclusion as to the recommendations it should make to the Senate with respect to radio legislation."

SENATOR FERGUSON APPEALS FOR FREEDOM OF SPEECH

In an address over WJR, May 29, Senator Homer Ferguson (Rep. Mich.) made the following remarks concerning freedom of speech:

"Let us beware of those who would destroy or restrict freedom of speech and of the press.

"Freedom of speech is more important to us than ever before because of the radio. To think as free men and women, we must be able to speak as free men and women. Our courts must guard this freedom of speech and not allow a decision to enlarge on what Congress has said by law.

"Congress must be ever alert and will protect and defend the Constitution which provided for freedom of the press, and freedom of speech.

"Mothers and fathers, you must insist on a Free Press and a Free Radio, or you will lose your liberty, for which your boys fight and die this very hour."

NAB TO PARTICIPATE IN AFA WAR CONFERENCE

Panel discussions on "What the New FCC Regulations Mean to Advertisers" and "The Wartime Radio Audience" will highlight the meeting on radio, sponsored by NAB, Wednesday morning, June 30, at the Advertising Federation of America War Conference, Waldorf-Astoria Hotel, June 28-30.

Lewis H. Avery, director of broadcast advertising, NAB, will preside at the sessions, which will feature officials of radio stations, advertising agencies and networks. Par-

ticipants will be announced in a future issue of the REPORTS.

HÉBERT DEMANDS ACTION

Rept. F. Edward Hébert [D-La.] yesterday urged Congress to "rewrite the Radio Act to define the Commissioners' hours definitely."

In a speech [full text of which will be mailed to all stations early next week] Mr. Hébert declared that the Supreme Court decision [of May 10] "gave the FCC absolute authority to tell any radio station what it may and may not put on the air."

BROADCASTING IS A-1

A complete revision, on the basis of the degree of essentiality, has been made in the list of industries to be accorded preferential treatment in the eastern gasoline shortage area, the Office of Defense Transportation announced Monday. Essential industries are divided into four groups: AA-1 (Most Critical); A-1 (Very Critical); A-2 (Critical); and A-3 (Important). **Radio broadcasting is listed in A-1.**

As long as the supply of gasoline in the east remains critical, lesser amounts may be allocated to commercial vehicles operated by the lower rated industries than to the higher.

The present commercial vehicle ration period has been extended by 25 days and operators should now be "stretching out" their gasoline allotment through reduced operations to insure being able to operate during the additional period.

NEW SLANT ON RADIO CRITICISM

The following letter was sent by Neville Miller to Mary Haworth of the *Washington Post*, whose column, "Mary Haworth's Mail," recently has been devoted to letters criticizing daytime radio.

Note how the whole issue of public criticism of radio is brought into prominence by the Supreme Court decision of May 10.

Station managers are requested to air-mail to NAB headquarters, attention of Willard Egolf, any clippings of newspaper columns which feature the public discussion of radio, especially from a critical angle. Similar letters will be mailed to those columnists.

"Recently you have published letters from your readers which criticize the content and character of daytime radio programs. I have read these letters with interest and I can assure you that they have been read also by station managers and network officials wherever your paper has circulation. It is the first obligation of radio management to pay attention to the wishes of radio listeners. Upon that formula the American system of broadcasting has
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Neville Miller, *President* C. E. Arney, Jr., *Secretary-Treasurer*

Lewis H. Avery, *Director of Broadcast Advertising*; Walter L. Dennis, *Chief, News Bureau*; Willard D. Egolf, *Assistant to the President*; Howard S. Frazier, *Director of Engineering*; Joseph L. Miller, *Director of Labor Relations*; Paul F. Peter, *Director of Research*; Russell P. Place, *Counsel*; Arthur C. Stringer, *Director of Promotion*.

NEW SLANT ON RADIO CRITICISM

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been built into the greatest medium of communication the world has ever known.

The people who wrote those letters acted in good faith. They believe, as good Americans, that the expression of their views should result in changes being made. It has always been a privilege of citizenship to criticize the radio and ask for something different. Station managers have received thousands of letters and made thousands of changes in radio programs to meet the public demand.

I am wondering, however, if your readers realize the effect of the Supreme Court Decision of May 10th which places in the hands of the Federal Communications Commission, a body of seven men located in Washington, D. C., supreme authority to determine, whenever they wish, what shall and shall not be broadcast to the American people. They may say, at their discretion, what the people shall hear over the radio, whether it be news, drama, music, comedy or politics.

Under the law, as now interpreted by the Court, your effort to carry to radio management the genuine criticisms of American citizens, through the columns of your newspaper, is in a fair way to become an empty gesture, a relic of bygone days.

Unless the Congress enacts new legislation, the stage is set for the American public's loss of free radio."

Research

RESEARCH COMMITTEE MEETS

The NAB research committee met in Washington, Wednesday, June 9, 1943. Members present were: J. Harold Ryan, chairman, WSPD, Toledo; Edward F. Evans, WJZ, New York; G. Bennett Larson, WWDC, Washington; John C. McCormack, KTBS-KWKH, Shreveport; Barry T. Rumble, NBC, New York; Frank N. Stanton, CBS, New York; Jack Williams, WAYX, Waycross; and, Paul F. Peter, secretary of the committee. Guests attending were: John Churchill, CBS, New York; and, C. E. Arney, secretary-treasurer of NAB. Absent was: Roger W. Clipp, WFIL, Philadelphia.

The committee reviewed the Market Data Handbook for Broadcast Stations in its final paged form and determined policy in the matter of its distribution to members, advertising agencies and advertisers. It was decided that a complimentary copy will be sent to each NAB member and a selected list of advertisers and advertising agencies placing business or prospects for national advertising in radio. Additional copies are to be sold at printing cost which will probably be \$1.50 per copy. The printing schedule of the book is delayed due to difficulties in obtaining paper stock. However, some assurance is given that mailing can start about July 15.

The NAB recommendation—"How to Determine Station Coverage" was reviewed and plans were made for discussions with the American Association of Advertising Agencies to obtain their final approval as to method and presentation format.

A long discussion was held on research plans of the association. The secretary was instructed to gather and analyze all survey material available which contributes to the store of information on radio during the war period. Also some exploratory work is to be done to assist the committee in reaching decision as to the advisability of fresh research on the subject.

Another meeting of the research committee will probably be held in the late summer or early fall.

REPORT OF BROADCASTERS QUESTIONNAIRES COMMITTEE

The broadcast sub-committee of the Advisory Committee on Government Questionnaires met June 8, 1943 in Washington. Those attending the meeting were: Roger W. Clipp, WFIL, Philadelphia; Edward F. Evans, WJZ, New York; John C. McCormack, KTBS-KWKH, Shreveport; Herbert Pettey, WHN, New York; Barry T. Rumble, NBC, New York; J. Harold Ryan, WSPD, Toledo; Jack Williams, WAYX, Waycross; John Churchill, CBS, New York, attending for Frank N. Stanton; and, Paul F. Peter, secretary of the committee. Guests attending the meeting were: David Cohn, Bureau of the Budget; Russell Schneider, secretary of the Advisory Committee; Neville Miller, president of NAB; and Newbold C. Going of Pittsburgh, secretary of another ACGQ sub-committee. Those absent were: Theodore C. Streibert, WOR, New York; and, G. Bennett Larson, WWDC, Washington.

Neville Miller opened the meeting with a greeting to the Committee and a talk outlining the developments which led to the appointment of the Broadcast Sub-committee. Miller introduced Russell Schneider who discussed the formation of the Advisory Committee on Government Questionnaires, its organization and functions. David Cohn, who is in the division of statistical standards, Bureau of the Budget, spoke on the problems of the Budget Bureau in examining questionnaires and forms. He explained the functions of the division of statistical standards and power given it in the Federal Reports Act of 1942 (Public Law 831, 77th Congress, approved, December 24, 1942). Subjects covered in his talk included a discussion of the call of the Budget Bureau to industry for counsel, the place of the broadcast sub-committee in the Advisory Committee set-up, and the assignments of the broadcast sub-committee.

Ryan Elected Chairman

Following Mr. Cohn's talk, Neville Miller, acting as temporary chairman, conducted an election in which J. Harold Ryan of WSPD was elected permanent chairman. The committee laid plans for its operation and an executive committee composed of Messrs. Larson, Pettey, and Peter was appointed. It was the thought of the committee that these members were most available to carry on discussions with the Budget Bureau and Washington government agencies and should, therefore, be empowered to act for the sub-committee between meetings of the entire group.

Mr. Cohn and Mr. Peter were called upon to review two broadcast sub-committee problems which, due to the pressure of time, were handled prior to the first meeting. Both, concerned survey requests, one from the Treasury Department and the other from the Federal Communications Commission.

The first of these, from the Treasury Department, involved a survey of all broadcast stations to determine the value of their contribution of broadcast time and talent devoted to aiding the Treasury in its Second War

Bond and Stamp Drive. This request to the Budget Bureau was denied and the information obtained through the cooperation of the Office of War Information and the NAB.

FCC Survey Approved

The FCC survey request involved a test questionnaire to be sent to 1,000 holders of first and second class radio-telephone licenses to determine the practicability of a complete survey in an attempt to obtain radio operators for the Armed Services and the Broadcast Industry. The Bureau of the Budget granted the request and NAB joined with the FCC in the test.

Messrs. Ryan, Cohn and Peter reviewed the current problem of the Committee—the FCC renewal application form for Standard Broadcast Stations—Number 303. The Committee then carefully examined the form, question by question, and submitted specific recommendations as to wording of questions, arrangement, and the burden of work involved in supplying answers to each by broadcast stations.

In addition to the renewal application form, the FCC had applied for approval of two engineering forms asking for quite complete engineering data. These are alternate forms, one to be completed by stations having directional antennas, the other to be used if the responding station utilizes a non-directional antenna. Howard Frazier, director of engineering of NAB, was called in to report the recommendation of the NAB engineering executive committee on the form and the broadcast sub-committee adopted the recommendation. The recommendation was one of approval of the form without change, provided its use will be confined to one-time execution by each station. Attention, however, was called to the fact that one item of engineering importance was not included in the questionnaire.

Preliminary Information Asked

The secretary cited a number of letters received from broadcast stations concerning FCC forms and the need for having some preliminary information as to the questions to be asked which involved bookkeeping or the keeping of records by the stations. An example discussed was that of the annual financial and employee data forms submitted by the FCC each year. In that connection, if the station does not have some preliminary information as to the questions to be asked, the station might encounter considerable work because the bookkeeping system employed may not readily produce the information desired. Station experience in the past has, in many cases, involved costly special studies.

Joseph L. Miller, labor relations director of NAB, was called in to speak of the industry need for labor statistics developed from the employee forms of the FCC. He appealed to the sub-committee to do what it could to assist in the matter of obtaining the information and having it made available quickly while the information is of real value to the industry.

The sub-committee decided that its executive committee should call upon the Commission to discuss these matters. Such conferences will anticipate the concern of the Budget Bureau with forms and questionnaires. However, Cohn expressed his approval of such procedure.

FCC

POST WAR PLAN NOT WORKING WELL, FLY SAYS

The post war committee plan is not working well, FCC Chairman James Lawrence Fly told a press conference

SMALL MARKET STATIONS

The committee appointed to follow through on matters relating to small station operations in wartime is meeting in Washington. At the press time, the committee was yet in session. A full report of their deliberations and conclusions will be issued shortly.

early this week. He said there has been some divergence of opinion among the different branches of radio and the FCC is just sitting on the sidelines waiting for the radio industry to reach an agreement. Fly said that as far as the Commission is concerned it will cooperate in any feasible plan in undertaking the studies for post war service. The chairman said he feels it is a very essential thing to do.

Fly told the newsmen that the planning should not be done by the FCC though it should sit in on the committee, must not vote but must keep informed and render any service that it can. He said that the study must be industry controlled.

RULES AMENDED ON WAR EMERGENCY SERVICE

The FCC en banc has amended section 15.75 of its Rules Governing All Stations in the War Emergency Radio Service, to provide a two-hour test period on Mondays, Wednesdays and Sundays, and to eliminate the provision which restricts the Wednesday test period to the three-month period following the date on which the respective station license was first granted. This action was taken in order to facilitate the necessarily meticulous adjustment of equipment and antenna.

The amended section reads as follows:

"Sec. 15.75 *Tests*—The licensees of civilian defense stations are permitted to make such tests as are necessary for the purpose of maintaining equipment, making adjustments to insure that the apparatus is in operating condition, training personnel, and perfecting methods of operating procedure, *Provided*, that such tests shall be conducted only during the following periods:

Time Zone	Eastern	Central	Mountain	Pacific
Mondays	10 p.m.-12 mid.	9-11 p.m.	8-10 p.m.	7-9 p.m.
Wednesdays	10 p.m.-12 mid.	9-11 p.m.	8-10 p.m.	7-9 p.m.
Sundays	5 p.m.- 7 p.m.	4- 6 p.m.	3- 5 p.m.	2-4 p.m.

All times given are local standard (war) time."

COMMISSIONER DURR WRITES ANOTHER LETTER

Requesting that the House Judiciary committee conduct hearings on his petition of May 13, which urged the disqualification of Rep. E. E. Cox (Dem. Ga.) as chairman of the select committee to investigate the Federal Communications Commission, Commissioner Clifford J. Durr made public a letter to Rep. Hatton W. Sumners (Dem. Texas), chairman of the judiciary committee of the House of Representatives. (Commissioner Durr's petition questioning the fitness of Representative Cox to conduct an inquiry into Commission activities, along with supporting documents, was filed with the Speaker of the House May 13 and referred to the House Judiciary Committee for consideration on May 14.)

Commissioner Durr addressed identical letters to each member of the House Judiciary Committee.

"On May 13, 1943, I filed with the Speaker of the House of Representatives a petition requesting that the House disqualify Congressman Cox as a member of the Select Committee to Investigate the Federal Communications Commission, because of his bias and personal interest. This petition was referred to the Judiciary Committee on May 14, 1943.

At the time the petition was filed I addressed a letter to each member of the Select Committee in which I called attention to certain procedures being followed by its staff which seemed to me to be highly improper, and expressed my unwillingness to testify before the Select Committee until such time as the House of Representatives, with full knowledge of the facts set forth in my petition and the supporting memorandum, should indicate its desires with reference to continuance of the investigation of the Federal Communications Commission by the Select Committee as now constituted. A copy of this letter is enclosed for your information.

There has been no substantial change in the Committee staff's procedure since the date of my petition, and examination of witnesses continues to take place behind closed doors with only Congressman Cox and members of the staff present.

I have the highest respect for Congress and its duly constituted committees and recognize that it is essential to the successful functioning of our form of government that Congress have full and complete information concerning all departments and agencies of the government. This is particularly important in time of war when the cloak of military secrecy may so easily be used to conceal activities about which Congress should be informed.

Feeling as strongly as I do about the importance of the investigatory power of Congress, I would regret being placed in a position which could be construed as one of hostility to the exercise of that power or as an indication that I have something to hide from Congress. However, I am equally strong in my reluctance to testify before the Select Committee as now constituted because I am convinced that its chairman and staff have purposes to serve which are inconsistent with a fair and impartial determination of the facts.

I believe that the facts set forth in my petition and the

accompanying memorandum clearly show that Congressman Cox is not a suitable person to conduct an investigation of the Federal Communications Commission. I stand ready to prove these facts at any time, and I respectfully request that your Committee hold hearings on the petition at an early date at which I may be allowed to appear and present witnesses and documentary evidence."

EGOLF TO PRESIDE AT AFA WAR CONFERENCE

Willard D. Egolf, NAB assistant to the president and Advertising Federation of America vice-president, will preside over the conference of advertising clubs at the AFA War Conference, Waldorf-Astoria hotel, New York City, June 28-30.

This is an all-day council on local advertising club war activities which will occupy Tuesday, June 29. Egolf has served during the past year as chairman of the AFA committee on awards for club achievement.

Government and industry representatives who will speak to club representatives during this session are:

William B. Lewis, OWI; Chester LaRoche, chairman, War Advertising Council; Paul H. Bolton, chief, campaign section, ODT; Edwin A. Sheridan, special adviser to James M. Landis, OCD; Ralph Allum, associate director, War Advertising Council; and Frank Tripp, general manager, Gannett Newspapers, and chairman of the bureau of advertising, ANPA. Past club activities and closer tie-in with government campaigns will be emphasized.

NAB REPORTS TO NATIONAL ENTERTAINMENT CONFERENCE ON RADIO'S WAR SERVICE

Representing NAB, Walt Dennis, news bureau chief, attended the two-day National Conference of the Entertainment Industry for War Activities in New York, June 3-4, and reported on "What Radio Is Doing in the War."

Some 300 delegates, representing more than 35 organizations directly or indirectly connected with the entertainment field, met in three sessions at New York Times Hall and agreed on a two-fold program.

One aim is to assemble a national talent pool of actors, writers, cameramen, stagehands, radio talent both technical and performing, stagehands, composers, directors, producers, scenic artists, etc., out of which individuals could be "drafted" as needed and reimbursed from a central

We Want Local Station Promotion Material on Radio in the War!

NAB has a booth at the Advertising Federation of America War Advertising Conference, Waldorf-Astoria Hotel, New York City, June 28-30. A large display piece entitled "Radio in the War" is being prepared, picturing the information contained in the recent Special Information Bulletin sent out from NAB headquarters under the same title. Help us amplify this display. Send us at once your local brochures and promotion pieces covering your local activities for the war. Send at least a dozen copies of each piece, if possible, for give-away purposes. Address them to Arthur Stringer, director of promotion and circulation, NAB 1760 N Street, N. W., Washington 6, D. C. RUSH.

fund—all efforts to be voluntary so far as registration in the pool is concerned.

The other was to establish a national conference board with permanent control over the entertainment program. Staff work would be administered by a small, salaried unit in charge of routine.

The NAB participation received tribute from Jean Hersholt, who also reported on radio's place in the war entertainment and information picture. Dennis' report covered all phases of radio work, including technical, government, home front and shortwave overseas in the information and entertainment fields and the radar and other sonic fields of military action.

Neville Miller was named to a "continuations committee" to formulate and carry on the program until the conference board was chosen. Miller designated Dennis to act for him in the conference meetings and the NAB news chief was named to a subcommittee of seven persons to draw up plans to be submitted to the continuations committee Thursday, June 10.

"What Radio Is Doing in the War" is enclosed as a special bulletin with these REPORTS.

RADIO NEWS STYLE BOOK

A handy little "Radio News Style Book" for radio news editors and rewrite men has been published by the United Press Associations. Written by Phil Newsome, U.P. radio news manager, the booklet is not a textbook, but assumes the reader is already experienced in writing "newspaper" news and carries the material a step further to writing the news for radio. Copies may be obtained from any U.P. bureau for 75 cents.

Labor

Within the next week NAB will mail to all members a new publication of the labor relations department entitled "Decisions of the National Labor Relations Board Affecting Radio Broadcasting Stations."

Describing the booklet, Joseph L. Miller, director of labor relations, said:

"The National Labor Relations Board, charged with enforcement of the Wagner Act, issues two types of decisions:

"(1) Those involving determination of the 'appropriate unit' for collective bargaining, elections and certifications.

"(2) Those involving charges that employers have violated the 'unfair labor practice' provisions of the Act.

"Frequently NAB receives requests for copies of decisions of the first type. They are often invaluable when an issue arises as to an 'appropriate unit' for collective bargaining. Separate copies of these decisions are becoming rare. Radio broadcasting cases, along with those affecting other industries, are bound together in a series of volumes now numbering forty-eight, on sale by the government printing office. To meet the requests it receives, the NAB has collected the *texts* of all 'representation' cases affecting radio into part one of this volume. Part two contains a *list* of all radio broadcasting decisions involving alleged unfair labor practices."

ADVERTISING COUNCIL BECOMES 'WAR ADVERTISING COUNCIL'

To describe more accurately the nature of its work the Advertising Council will hereafter be known as the War Advertising Council, Chester J. LaRoche, Young & Rubicain, chairman, has announced.

In reviewing the first year's work of the council, LaRoche

said that advertisers and media contributed better than \$250,000,000 worth of time, space, etc., in the interest of public information. He said the job is getting bigger and that by the end of 1943 the annual contribution should be at the rate of half a billion dollars.

The council shortly will launch a concerted drive with the slogan "A War Message in Every Ad," LaRoche said.

LaRoche has been re-elected WAC chairman for the coming year. Other officers are: Harold B. Thomas, Centaur Co., and Paul B. West, ANA, vice chairmen; Mason Britton, McGraw-Hill Publishing Co., treasurer; Frederic R. Gamble, AAAA, secretary, and the following directors: A. L. Billingsley, Fuller & Smith & Ross; Thomas D'A Brophy, Kenyon & Eckhardt; A. O. Buckingham, Cluett, Peabody Co.; Richard Compton, Compton Advertising; Edwin S. Friendly, New York Sun, and Kerwin H. Funton, Outdoor Advertising, Inc.

Other directors are: Kolin Hager, WGY; Carleton Healy, Hiram Walker, Inc.; Paul Kesten, CBS; Charles G. Mortimer, Jr., General Foods Corp.; Stuart Peabody, Borden Company; William Reydel, Newell-Emmett Co.; H. W. Roden, Harold H. Clapp, Inc.; A. E. Winger, Crowell-Collier Publishing Co., and James W. Young, J. Walter Thompson Co.

LaRoche, West, Thomas, Britton and Gamble also are directors.

WEEI SOUND EFFECTS EXPERT IS 'NOISIEST BOSTON GIRL'

After several newspapers, including the *Christian Science Monitor*, have given her a build-up, the NAB REPORTS takes this opportunity to put in a word about radio's only girl sound effects manager—Marjorie Ochs of WEEI.

In addition to her noisy duties (*The Boston Herald* calls her the "noisiest girl in Boston") Marjorie is chief of the transcription department and sound consultant for the Arlington Civilian Defense Corps.

WEEI's sound effects expert is—ah—21, blue-eyed and weighs only 98 pounds. She got her first radio job by out-cussing a station manager who bumped into her in a hotel corridor and got her present job by bumping into WEEI's Lloyd G. del Castillo during a hobby-horse race in a Springfield, Mass., night spot.

Engineering

'MR' TUBES FOR CIVILIAN USE EXCLUSIVELY

To insure that radio tubes for home sets actually reach radio repairmen and home set owners, the War Production Board has amended limitation order L-265.

Tubes made from materials allocated to civilian production have frequently been purchased by the Armed Services on rated orders, thus depleting the supply available for home sets. Tube manufacturers have been requested to stamp civilian tubes "MR," meaning "maintenance and repair." The amendment prohibits domestic transfer of such tubes to orders of the Armed Services carrying preference ratings. Civilian orders which need no ratings are filed by manufacturers on certification that the tubes being purchased replace worn out tubes in home sets.

This order should tend to alleviate the present shortage of receiver tubes if MR tubes are produced in sufficient quantities. WPB cautioned that current production of civilian tubes is low and that requirements for some types are not being met by present production schedules.

G.E. ON POST-WAR RADIO

"Will secret war developments in radio and radar bring revolutionary changes in broadcast transmitters after the war?" is a question frequently heard. Concerning this question one manufacturer of broadcast equipment, General Electric Company, has this to say in a recent release.

"Our answer is, 'definitely no!' War developments undoubtedly will bring improvements in broadcast transmitters, FM, AM, and television, but we foresee no RADICAL changes that will prematurely render present equipment obsolete.

"What we do anticipate in the field of post-war broadcasting is the replacement by FM stations of many low-powered AM stations which are now handicapped by interference and inadequate signal strength. This probably will mean higher power and more clear channels for the remaining AM stations.

"We expect television broadcasting to develop rapidly after the war, along with FM radio broadcasting. Manufacturing experience gained in the production of electronic equipment for war will undoubtedly result in lower-priced television receivers after the war and this, plus public demand, should accelerate the expansion of television service.

"After the war, we expect to continue to build all types of transmitters—FM, AM, television—together with auxiliary equipment and such devices as the magnetic wire recorder which you may have seen at the Chicago meeting."

Post-war developments are of vital concern to all broadcasters. Expressions of opinion on this subject are invited from other manufacturers.

IRE IS OPPOSED TO KILGORE-PATMAN BILLS

The board of directors of the Institute of Radio Engineers has taken a position against the enactment of the Kilgore-Patman bills (S. 702 and H. R. 2100) for the socialization of engineering. At its meeting June 2 the board adopted a resolution condemning, as dangerous to the War, the proposed creation of a federal office of Scientific and Technical Mobilization to mobilize the scientific and technical resources of the nation.

"The enactment of these bills," the board said, "would establish a post-war bureaucracy inimical to the best interests of scientific and technical progress and thus also to these United States."

ELECTRICAL INDICATING INSTRUMENT STANDARDIZATION MAY UP OUTPUT BY 10%

The standardization of electrical indicating instruments used primarily in military radio and radar is encouraged by a WPB amendment to limitation order L-203. The amended order is expected to raise output 10%.

The amendment permits manufacturers to accept without preliminary WPB approval purchase orders for less than 500 instruments which conform to standards published by the American Standards Association or to specifications of the armed forces. Automatic approval also is given on orders for less than 500 instruments any dimension of which exceeds $3\frac{1}{2}$ inches and on orders for any number of polarized van non-jeweled instruments, the most familiar of which is the ammeter on an automobile dashboard.

Instruments governed by L-203 are re-defined to exclude portable instruments which measure more than one electrical quantity. The definition thereby differentiates between "meters" administered under L-203 and "test equip-

ment" covered by general scheduling order M-293. Before it was amended, L-203 gave automatic approval based upon end use in the war program to standard purchase orders. The effect was to require specific approval of orders calling for small numbers of instruments and to approve automatically those calling for large quantities. The amendment shifts control to large orders and to orders for non-standard instruments.

The control of orders for large quantities is expected to facilitate balancing of the flow of orders with productive capacity. On the other hand, the release of small orders from such supervision will make it easier to fill those that are urgently required, since these are generally for small amounts.

60 STATIONS LISTED BY NAB AS EMPLOYING WOMEN TECHNICIANS

At least 60 stations located in 29 states and Alaska employ women technicians.

These are statistics resulting from the count of material received to date for inclusion in the forthcoming NAB brochure on woman-power in radio technical fields.

Material from stations, received since last week's NAB REPORTS, is acknowledged with thanks from the following:

KINY—Juneau; KARK—Little Rock; KIEM—Eureka; WRUF—Gainesville; WMBR—Jacksonville; WRBL—Columbus; WMBI—Chicago; KICD—Spencer; WAVE—Louisville; WTAG—Worcester; KGNF—North Platt; WAGE—Syracuse; WWNC—Asheville; WBIG—Greensboro; WSJS—Winston-Salem; WHBC—Canton; WGAR—Cleveland; KOCY—Oklahoma City; KTOK—Oklahoma City; KWIL—Albany; KOOS—Marshfield; WNAX—Yankton; WKPT—Kingsport; KRIS—Corpus Christi; WBAP-KGKO—Fort Worth; WLVA—Lynchburg; WTAR—Norfolk; WCHS—Charleston; KFBC—Cheyenne.

State Legislation

FLORIDA:

S. 672 COPYRIGHTED MUSICAL COMPOSITIONS—Relating to public performing rights in copyrighted musical compositions and dramatico-musical compositions; defining same, and to regulate the licensing of same.

FEDERAL COMMUNICATIONS COMMISSION DOCKET

HEARINGS

The following broadcast hearings are scheduled to be heard before the Commission during the week beginning Monday, June 14th. They are subject to change.

Monday, June 14

To Be Held in County Court House, Lufkin, Texas

KRBA—Ben T. Wilson, R. A. Corbett and Thomas W. Baker, Co-Partners, d/b as Red Lands Broadcasting Ass'n, Lufkin, Texas.—Renewal of license, 1340 kc., 250 watts, unlimited.
KRBA—Ben T. Wilson, R. A. Corbett and Thomas W. Baker, Co-Partners, d/b as Red Lands Broadcasting Ass'n, (Assignor).—Voluntary assignment of license, 1340 kc., 250 watts, unlimited.

Tuesday, June 15

KMTR—KMTR Radio Corporation, Los Angeles, Calif.—Renewal of license, 570 kc., 1 KW, unlimited.

Wednesday, June 16

WCOP—Massachusetts Broadcasting Corp., Boston, Mass.—Renewal of license, 1150 kc., 500 watts, DA-night, unlimited.

FEDERAL COMMUNICATIONS COMMISSION ACTION

APPLICATIONS GRANTED

WKBN—WKBN Broadcasting Corp., Youngstown, Ohio.—Granted license (B2-L-1767) to cover construction permit (B2-P-2547) as modified, provided licensee make such alterations in the antenna and ground system when materials become available as may be necessary to produce a minimum effective field of 175 mv/m, together with other engineering requirements. Also granted authority to determine operating power by direct measurement of antenna power. (B2-Z-1525)

WKZO—WKZO, Inc., Kalamazoo, Mich.—Granted modification of license (B2-ML-1156) to change time when directional antenna is used to: from 5 p. m. to 9 a. m., CST, instead of local sunset to local sunrise.

WFCI—Pawtucket Broadcasting Co., Pawtucket, R. I.—Granted renewal of license for the regular period (B1-R-1119); Blue Network Company, Inc.—Granted extension of authority to transmit programs to Stations CFCF and CBL and Canadian Broadcasting Corp. (B1-FP-109)

ACTION IN DOCKET CASES

The Commission has adopted an order making final its Proposed Findings of Fact and Conclusions (B-178), extending for a period of six months from April 21, 1943, or until October 21, 1943, the outstanding temporary licenses for the operation of Stations WDSU, New Orleans, La., WMIS, Natchez, Miss., and WGRM, Greenwood, Miss.

MISCELLANEOUS

WSAZ—WSAZ, Inc.—Granted license to cover construction permit as modified for new transmitter, directional antenna for night use, change in frequency, hours and move of transmitter (B2-L-1590); granted authority to determine operating power by direct measurement of antenna power. (B2-Z-1327)

KXO—Valradio, Inc., El Centro, Calif.—Granted authority to determine operating power by direct measurement of antenna power. (B5-Z-1522)

WNAX—WNAX Broadcasting Co., Yankton, S. D.—Granted modification of construction permit as modified, for increase in power and directional antenna for night use, for extension of completion date from June 7 to September 7, 1943. (B4-MP-1713)

KWTO—Ozarks Broadcasting Co., Springfield, Mo.—Granted modification of construction permit as modified, for change in hours, installation of directional antenna for night use and move of transmitter, for extension of completion date from May 18 to November 18, 1943. (B4-MP-1711)

Beauford H. Jester, Trustee, et al., Waco, Texas.—Scheduled for oral argument on June 23, 1943, in re application for construction permit for a new standard broadcast station. (Docket No. 6218; B-176)

WCOP—Massachusetts Broadcasting Corp., Boston, Mass.—Scheduled for oral argument on June 23, 1943, in re application for construction permit to make changes in directional antenna for nighttime use, to make changes in transmitting equipment, and to increase power from 500 watts to 1 KW. (Docket No. 6366; B-169)

KOA—National Broadcasting Co., Inc., Denver, Colo.—Denied petition of KOA for postponement of hearing and the motion of WJW, Inc., to dismiss petition for rehearing, upon the application of WHDH, Boston, for construction permit, and WJW, Akron, Ohio, for modification of construction permit, until cessation of hostilities.

W8XO—The Crosley Corp., Cincinnati, Ohio.—Denied petition for rehearing directed against the action of the Commission May 4, 1943, denying the Crosley petition to dismiss without prejudice its application for renewal of license for station W8XO.

APPLICATIONS FILED AT FCC

620 Kilocycles

WLBZ—Maine Broadcasting Co., Inc., Bangor, Maine.—Modification of construction permit (B1-P-2868, as modified, which authorized increase in power, installation of new equipment and directional antenna for day and night use) for extension of completion date from 6-11-43 to 8-11-43.

1450 Kilocycles

KFMB—Worcester Broadcasting Corp., San Diego, Calif.—Voluntary transfer of control of licensee corporation from Warren B. Worcester, Deceased, to The First National Trust & Savings Bank of San Diego, as Trustee under Declaration of Trust for Warren B. Worcester. Amended: re trust agreement.

1490 Kilocycles

WKBV—Knox Radio Corporation, Richmond, Ind.—Transfer of control of licensee corporation from William O. Knox to Central Broadcasting Corporation (1000 shares). Amended: re stockholders of transferee corporation.

FM APPLICATION

W49D—John Lord Booth, Detroit, Mich.—License to cover construction permit (B2-PH-20, as modified, which authorized new high frequency broadcast station) in part.

TELEVISION APPLICATIONS

W2XCB—Columbia Broadcasting System, Inc., Area of New York, N. Y.—Modification of construction permit (B1-PVB-46, as modified, which authorized a new television relay station) for extension of completion date from 7-7-43 to 1-7-44.

W9XBK—Balaban & Katz Corp., Chicago, Ill.—License to cover construction permit (B4-PVB-94) for new experimental television broadcast station.

FEDERAL TRADE COMMISSION DOCKET

Any NAB member wishing to have the full text of any of the FTC releases, printed in part below, should write to the NAB, referring to the number in parentheses at the end of each item.

COMPLAINTS

The Federal Trade Commission has alleged unfair competition against the following firms. The respondents will be given an opportunity to show cause why cease and desist orders should not be issued against them.

Anti-Hydro Waterproofing Co., 265 Badger Ave., Newark, N. J., is charged in a complaint with misrepresentation in the sale of compounds used for treating stone, brick and cement structures so as to make them more resistant to water. Two of the compounds involved are manufactured by the respondent and

are designated "Anti-Hydro" and "Aridclear." The respondent sells other compounds known as "Aridtite" and "Amurseal," which are manufactured for it. (4975)

Belt Oil & Chemical Corp., 1265 Broadway, New York, and Overman & Co., a copartnership at 9 Rockefeller Plaza, New York, are charged in a complaint with falsely representing that the product they sell under the name "Rubber-Life" is capable of prolonging the life of automobile tires. (4973)

Ben Kalish, 330 Seventh Avenue, New York, manufacturer of furs and fur garments, is charged in a complaint with misrepresentation in connection with the sale of his products. (4974)

Kenite Laboratory, Inc., 83 Murray St., New York, is charged in a complaint with misrepresentation in the sale of a product called "Kek," recommended as a boiler cleaner and steam conditioner. (4976)

CEASE AND DESIST ORDERS

The Commission issued the following cease and desist orders last week:

National Association of Sanitary Milk Bottle Closure Manufacturers, Philadelphia, its officers and six member manufacturers have been ordered to cease and desist from entering into or carrying out any combinations or agreements to fix prices or to otherwise restrict competition in the sale of closure milk bottle caps direct to dairies or through jobbers.

Manufacturers named in the order are: American Seal-Kap Corp., Long Island City, N. Y.; Cowdrey Products Co., Inc., Fitchburg, Mass.; Mid-West Bottle Cap Co., Belvidere, Ill.; Sealright Co., Inc., Fulton, N. Y.; Smith-Lee Co., Inc., Oneida, N. Y., and Standard Cap & Seal Corp., Chicago.

Respondent officers of the Association are: Stanley Dennis, chairman; George J. Lincoln, Jr., manager; and Daniel A. Mackin, Harvey M. Smith and Jarvis Williams, Jr., members of the executive committee. (4565)

STIPULATIONS

During the past week the Commission has announced the following stipulations:

Cleanette Products Co., French and Winter Sts., N. W., Cleveland, Ohio, and National Solvent Corp., 3751 Jennings Road, Cleveland, Ohio, have entered into a stipulation to cease and desist from certain misrepresentations in connection with the sale of a cleaning preparation designated "Cleanette." The preparation is alleged to be a petroleum distillate of a naphtha compound prepared for Frantz by National Solvent Corp. (3663)

Crawford Mfg. Co., Inc., et al.—Three corporations and two copartnerships engaged in the sale and distribution of canvas goods have entered into stipulations to discontinue misbranding tarpaulins as to size.

The respective agreements to cease and desist were entered into by Crawford Manufacturing Co., Inc., 3rd and Decatur Sts., Richmond, Va.; Crawford-Austin Manufacturing Co., 3rd and Jackson Sts., Waco, Tex.; V. M. Goldberg, R. P. Goldberg, B. P. Goldberg, F. D. Goldberg, and W. H. Goldberg, copartners,

trading as Hoosier Tarpaulin & Canvas Goods Co., 1302 W. Washington St., Indianapolis; Fulton Bag & Cotton Mills, Atlanta, Ga.; and A. T. Clifton and A. L. Clifton, copartners trading as Clifton Manufacturing Co., Waco, Tex. (3658-3662, inc.)

Gly-Cas Medicine Co., 537 Johnson Block, Muncie, Ind., engaged in selling a laxative designated "Gly-Cas," stipulated that she will cease and desist from disseminating any advertisements which fail to reveal that the products should not be used when abdominal pains, nausea or other symptoms of appendicitis are present, provided, however, that such advertisements need only contain the statement, "CAUTION: USE ONLY AS DIRECTED," if and when the directions for use on the label or in the labeling contain a warning statement to the same effect. (03113)

Peter Grey's Laboratories and as Peter Grey, Inc., 2029 13th Ave., Oakland, Calif., engaged in the sale and distribution of phonograph needles designated "Kacti," stipulated that it will cease and desist from the use of any representation that its phonograph needles will cause records to last forever, cause records to improve each month of their use, or cause a restoration of records whose sound-vibration mechanism has become damaged through the use of metallic or other needles. (3664)

Harvest House, 50 West 17th St., New York, selling and distributing a book designated "Complete Guide for the Deafened," has entered into a stipulation in which it agrees to cease representing that the book contains directions of such nature that merely by following them the sense of hearing will be improved, saved or restored; or that it contains directions of such nature that they can be followed without assistance or direction by a person in the treatment of defective voice or speech. (03112)

Hershey Mfg. Co., 135 South La Salle St., Chicago, selling and distributing an electrically driven device for use on the hair and scalp, designated "Vita-brush," and George J. Kirkgasser and Leslie A. Drew, trading as Kirkgasser-Drew, 400 North Michigan Ave., Chicago, advertising agents who disseminated advertisements for Hershey Mfg. Co., have stipulated to cease and desist representing that the device will check or prevent falling hair or baldness; that its use will restore life to dead hair; that it will serve to prevent or ward off dandruff; that it is the secret of healthy hair or the answer to hair worries; that it will be of value in the treatment of headaches which have a circulatory origin; or that it possesses any value in the treatment or prevention of head colds or congestion, will relieve nervous insomnia, insure a good night's sleep, or cause the hair to grow thicker. (03111)

United Textile & Silk Co., 509 Fifth Ave., New York, engaged in the sale of men's ready-made shirts, has stipulated to cease and desist from the use of the words "custom made" to describe its products, and to discontinue making any representation which may tend to convey the belief that such shirts are custom made, made to order or to measure, or that they are other than ready-made shirts. (3665)

FTC COMPLAINT DISMISSED

The Federal Trade Commission has dismissed without prejudice its complaint against Pacific Coast Paper Mills, Inc., Bellingham, Wash., which had been charged with misrepresentation in connection with the sale of toilet tissues and paper napkins.

National Association of Broadcasters

1760 N STREET, N. W. * * * * * WASHINGTON 6, D. C.

No. 2

SPECIAL INFORMATION BULLETIN

June 11, 1943

What Radio Is Doing In The War

(This report was given by Walt Dennis, NAB news bureau chief, before the National Conference of Entertainment Industry for War Activities in New York City, June 3-4. The material in it is offered herewith to broadcasters for possible use in their public relations work in their communities, such as in civic club talks, etc.).

When the word radio is used today, it is generally used in a commonplace sense. Of all the miracles of science which have been developed in the last century, radio has been the greatest which we now take for granted. To me radio means power. The power to fashion and mold the minds, lives and emotions of men. It is an instrument of information and entertainment with a potential so vast we should stand in awe of its accomplishments and its future promise.

Some portion of that power and some portion of that future have been revealed during this war—for war is the crucible in which science labors at white heat to fashion the great devices of peace into the weapons of war. Radio has been and is so being used and worked so that when peace again blesses us, radio will step forward to serve mankind in many new ways.

But my purpose today is not to clothe the mystery of radio in the poor raiment of my words, but to talk about the use of radio in the entertainment and information fields and especially its use to those ends in war time.

American radio at war breaks down into three categories—the domestic, the shortwave for overseas and foreign consumption and the technical, such as radar.

In order that you receive my report as I should like to have you receive it, I must tell you that I feel that radio is merely the instrument through which men and women, such as you in the entertainment world, transmit their art to our services and allies here and abroad.

When I think of radio in that sense I think of people working—working hard and selflessly—day and night to do their bit in their way to lighten the burden now resting on the shoulders of those who wear the uniforms of U. S. soldiers, sailors and marines.

And now it is time to talk of you—for you are the people of whom I am thinking. Your work could be translated into columns of statistics about the numbers—the thousands of programs and appearances you have broadcast and made at our camps in this country—the thousands of broadcasts and appearances you have made to the troops overseas, but statistics have always seemed like skeletons to me, clanking around in cold symmetry with no flesh and blood to give them life.

Rather do I see Edgar Bergen and that scamp Charlie McCarthy up in Alaska doing shows—and, yes, doing something else. How many of you know we have a hospital up at Dutch Harbor where battle-shocked soldiers and civilians are being nursed back to sanity? Maybe some of you know what Edgar and Charlie did for one civilian there not long after the Dutch Harbor raid. This unfortunate person would constantly take off his clothes and try to bathe himself—he didn't know who he was—or much else. Charlie and Edgar visited him and did a bit of patter. Months and months of listening to the radio—to Charlie McCarthy—had their effect. Charlie registered. The sick mind snapped back and today the man is well again.

National Association of Broadcasters

1760 N STREET, N. W. * * * * * WASHINGTON 6, D. C.

June 11, 1943

SWAP BULLETIN

No. 37

— Do Your Part —

Please do your part to keep every broadcaster supplied with essential parts and materials. Check your stock today. List your long items under the heading "WILL SELL" and the items you need under "WILL BUY." Then write: POOL, National Association of Broadcasters, 1760 N Street, N.W., Washington 6, D. C. Your fellow broadcasters will do the rest.

WILL SELL

*For sale by F. M. Brown, 239 Alameda Street,
Klamath Falls, Ore.*

Plate Supply Transformers

- 1 Thordarson T19P58
- 1 Inca R-33
- 1 UTC S-48
- 1 UTC S-50

Variables—Condensers (New and used)

- 1 Johnson 70DD70, 3500 volts
- 1 Johnson 100DD35, 3500 volts
- 2 Cardwell 407-B
- 1 Bud 1534
- 1 National TMSA-35 (New)
- 1 National TMS-50-D (New)
- 1 National TMSA-50-D
- 2 National ST-100
- 2 National TMA-50-A (New)
- 4 National STH-250
- 1 National STH-335 (New)

*For sale by John H. Elrod, 2500 K Street, N. W.,
Apt. 208, Washington 7, D. C.*

- 1 Hallicrafter S-31-A high fidelity 25 watt amplifier push-pull 6L6 output, new.
- 1 Webster deluxe record changer in portable leather case, new.
- 1 Jensen CA-12 reproducing cabinet (bass reflex) comp. with 12" jensen PM12C speaker.
- 1 GE 0-150 v., AC 3" circular meter, excellent cond., crackle gray meter case with output receptacle so that any voltage between 0-150 can be drawn off.

Make offer.

For sale by WWSR, St. Albans, Vt.

- 1 Foxboro pressure type recording thermometer for outdoor temperatures, 7 day revolution, size 12" range, minus-50° to plus 120° F.
- 1 Weston Model 301 0-10 milliampere meter.

*For sale by Southwestern Broadcasting Co., 1825
Montana St., El Paso, Texas*

5 Tech type BT95 Attenuators, Imp. 500/500 ohms., Step—30 (with knobs and indicator dials).

1 Simpson D.B. meter, 6 milliwatts, 500 ohms. Res. 5000 ohms. 3" sq. case.

All new, will not sell separately, \$100 for lot.

*For sale by Frank Huberman, 1256 Main St., E.
Hartford, Conn.*

- a. 1 GE 4.25 KVA trans., 110 V., 50-60 cycles. Pri. output is 2,000 to 4,000 v. with 6 step switch, oil filled type, weight is 300 lbs., 25" high, 18" in diameter and oil capacity is 17 gallons (oil inside).
- b. 1 National velvet "B" supply comp. (commercial) 105-220 V., 50-60 cycles pri. 35 M.A. at 180 V. outputs at 22-45-67-90 and 180 V., excellent for bias supply.
- c. 1 Thord. type T16P02 trans. 3130 CT; 2530 CT at about 300 M. A.
- d. 1 Stancor filament trans. P4097.
- e. 1 Thord. choke T44C02, 12H. at 80 M.A.
- f. 1 Thord. trans. T70R61, 770 V. C. T. at 70 M. A.; 6.3 V. at 2.5 A; 5 V. at 2A.
- g. 1 National 7 prong isolantite socket.
1 Hammarlund 4 prong isolantite socket.
- h. 1 RME (DM36) (5 and 10 meter converter).
- i. 1 RME (DB20) (550-30000 kcs. Pre-selector).
- j. 1 Eimac 450TL trans. tube, new.
- k. Crystals on freq. of 1754, 3955, 7076 and 14251 kilocycles.
1 Mims deluxe 20 meter, 3 element beam. comp. with motor, elements, center section, cross arms, direction indicator and hardware.
- l. 2 Flectheim filter cond., 5000 V. at 2 mfd.
- m. Numerous 2 and 6 inch isolantite spreaders.
Few 6 inch polysterene.

Make offers.

For sale by Robert W. Wood, 10950 Longview, Detroit, Mich.

Quantity	Type No.	Description	Cond.	Price each
1	600A	WE Carbon Microphone (Comp. with stand)	Good cond.	\$11.50
1	****	RCA DB Microphone (Comp. with stand)	Good cond.	5.00
1	****	WE SB Microphone (No stand)	Brand new	4.00
1	T19P55	Thord. 200 VA Plate Trans. 1100 & 1320 V. C.T. Bias Tap.	Good	5.00
1	T75R47	Thord. Power Trans., 6.3 V. Filaments	Good	4.00
1	*****	Thord. Power Trans., 25 Cycle with 6.3, 2.5, 5 v.	Good	6.00
1	S-31	UTC Filter Choke, 15 Hys at 225 Ma., 120 ohms res.	Brand new	3.00
1	T15A66	Thord. C.H.T. Trans., Line to Single Grid	Good	4.25
1	P-3060	Stancor Fil. Trans., for 866 Rectifier Tubes	Brand new	3.00
1	6194	Thord. Trans., Line to P.P. Grids	Good	2.50
1	R-200	Thord. Audio Trans., Single Plate to Single Grid 3:1	Good	1.50
1	7083	Thord. Trans., Xtal Mike to Line	Very good	2.00
1	6372	Thord. Trans., Line to Single Grid	Good	2.50
1	467-263	Jefferson Mike Trans., D.B. Mike to Single Grid	Good	2.75
1	14A90	Thord. Trans., Single or P.P. Plates to Line	Good	2.00
1	6226	Thord. Trans., Plate to Line	Good	1.50
1	68C08	Thord. Plate Impedance or filter choke 22 Hy, 35 Ma.	Good	1.25
1	T18C92	Thord. Plate Impedance or filter choke 22 Hy, 35 Ma.	Good	1.00
1	2357	Thord. Mike Trans., S.B. Mike to Single Grid	Brand new	1.50
1	2357	Thord. Mike Trans., S.B. Mike to Single Grid	Good	1.25
1	T29C27	Thord. Plate Impedance for S.G. Detector, 700 Hys. .5 Ma.	Good	1.00
1	2219A	Philco Power Trans. for 6 V. Auto Radio	Brand new	2.00
1	T-70A83	Thord. Crystal Mike to Line Trans.	Brand new	2.75
1	T-55A16	Thord. Line to Grid Trans.	Brand new	3.00
1	TQ-20020	C-D Dykanol Cond. 2000 V. D.C. at 2 Mfd.	Brand new	3.00
1	*****	ELECTRAD Bleeder for power supply 20,000 ohms at 200 watts		2.00
2	866	TAYLOR RECTIFIER TUBES, brand new, never out of cartons		1.50
2	T-20	TAYLOR TRANS. TUBES, brand new, never out of cartons		2.25
2	210	RCA, RAYTHEON TRANS. TUBES, Isolantite Base Type	Very good	1.50
2	46	RCA CLASS "B" MODULATOR TUBES	Good	.50
1	45	RCA, Trans. Type with Isolantite Base	Good	1.00
2	811	RCA, Trans. Type with Isolantite Base, never out of boxes	Brand new	3.50
1	D-2	Astatic "Watch-case" Xtal Microphone comp. with stand	Brand new	14.50
1	"B"	National Velvet Vernier Dial	Brand new	1.75
1	***	WE Dial Unit	Good	1.50
1	RK-49	Raytheon Trans. Tube with Isolantite Base	Brand new	1.25
2	TMS-50D	Split Stator National Trans. Cond. In box	Very good	2.50
3	MR-50-BS	Cardwell Midway Cond.	Like new in every respect	1.50
2	TMH-25	National High Voltage Neutralizing Cond.	Good	2.00
1	A-100	Guardian Antenna Relay, D.P.D.T., 110 V. Coil	Very nice	4.00
1	501	Weston Meter, 0-50 V.D.C.	Good, but has cracked glass	6.00
1	301	Weston Meter, 0-200 Ma. D. C.	Good, but has cracked glass	5.00
1	301	Weston Ohmmeter, 0-10,000 ohms	Good	4.00
1	201	Weston Meter, 0-8 V. D. C.	Very good	3.00
1	201	Weston Meter, 0-800 Ma. D. C.	Very good	3.00
1	201	Weston Meter, 0-3 Amp. D. C.	Very good	2.50
1	201	Jewell Meter, 0-5 Volts D. C.	Very good	5.00
1	301	Jewell Meter, 0-150 V. A. C.	Very good	10.00
1	301	Jewell Meter, 0-25 M. D. C.	Good	5.00
1	301	Jewell Meter, 0-10 Ma. D. C.	Good	5.00
1	301	Jewell Meter, 0-1000 Ma. D. C.	Good	5.00
1	201	Sterling Meter, 0-10 Ma. D. C.	Good	1.50
1	201	Sterling Meter, 0-15 Ma. D. C.	Good	1.00
1	201	Sterling Meter, 0-3-15 V. A. C.	Good	1.75
1	201	All-American Meter, 0-2 V. A. C.	Good	1.00
1	201	Readrite Meter, 0-200 Ma. D. C.	Good	Make offer
2	2050	RCA Thyatron Rectifiers	New, never used	3.00
1	****	5-Tube Superheterodyne Receiver, 700-2050 Kcs.	Very good	15.00

The following receiving tubes are all new in factory sealed cartons. Net amateur prices apply.

1	80	RCA receiving tube	1	12SA7	RCA receiving tube
2	45	" " "	1	12SC7	" " "
1	76	" " "	1	6B8	" " "
1	6A7	" " "	1	84-6Z4	" " "
1	78	" " "	4	6K7	" " "
1	6C8G	" " "	2	12SQ7	" " "
1	6V6G	" " "	3	6V6GT	" " "
2	6G7	" " "	1	6N7	" " "
2	12C8	" " "	1	VR-150	" " "
2	12SK7	" " "	1	6AC7	" " "

All prices listed herein are F.O.B. Detroit. Any merchandise will be sent C.O.D. upon request by mail or telegram. No preference ratings are necessary. No junk is included, everything is in good condition.

PARTS FOR 100-200 WATT TRANSMITTER

OSCILLATOR UNIT:

1 Nat. 23-plate tank cond., .0005 Mfd.....	\$ 4.00
1 Nat. 23-plate coupling cond., .00025 Mfd.....	3.00
1 Nat. 4-in. vernier dial.....	1.50
1 Johnson socket (for 210).....	0.75
1 20-gauge copper can, 12 x 8 x 8 ins.....	2.50

FIRST BUFFER:

1 Nat. 23-plate tank cond., .0005 Mfd.....	4.00
1 Nat. 23-plate coupling cond., .00025 Mfd.....	3.00
1 Nat. 4-in. dial, vernier.....	1.50
1 Johnson socket (for 210).....	0.75
1 Nat. choke, 500 mils.....	2.00
1 copper shield can, 20-gauge, 12 x 8 x 8 ins.....	2.50

POWER SUPPLY for Osc. Unit and First Buffer:

Power trans., socket, filter, copper can, etc.....	6.00
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SECOND BUFFER:

1 Nat. 23-plate tank cond., .0005 Mfd.....	4.00
1 Nat. 23-plate coupling cond., .00025 Mfd.....	3.00
1 Nat. 4-in. vernier dial.....	1.50
1 RCA UT-541 socket (for 203-A).....	1.75
1 Nat. choke, 500 mils.....	2.00
1 copper shield can, 20 gauge, 12 x 8 x 8 ins.....	2.50
2 copper ovens, 1½-in. walls, solid copper, weight about 20 lbs. each. In balsa boxes @ \$5.00..	10.00
2 Aminco sealed type mercury, adjustable thermostats. Style C, 6-in. @ \$10.50.....	21.00
2 Aminco thermometers, "L" type, 35 to 55 degrees Centigrade, 4¾ in. long, 8 in. high, graduated in tenths @ \$7.50.....	15.00
1 L-type thermometer, 35 to 45 degrees Centigrade, in fifths. Outside oven.....	5.00
1 Mechanical thermostat for outside oven.....	3.00
1 Complete dry-rectifier type oven relay, three pilot lights, etc.....	5.00
1 Transmitter all-steel frame, welded, with screen doors two plate glass front panels, double Bakelite meter panel, dimensions....	20.00
Miscellaneous resistors, fittings, mountings, etc. Switches, boxes, etc.....	10.00
3 Inca trans., B-26, 220-1300 volts under load, @ \$10.00.....	30.00
1 filament trans., 300-watt, 220 to 5 v., 10,000 v. insulation.....	10.00
6 E. F. Johnson "50-watt" sockets @ \$1.75.....	10.00
1 square-D Automatic motor-starter switch, with push-button station. Type H32B. Three-phase, 5 H.P., 220-volt, 50-60 cycles.....	8.00
1 Safety Electric 3-pole power switch, 30 amp. snap action, cartridge fuses.....	3.00
All-steel welded frame, steel panel, screens, pilot lights, boxes, etc.....	15.00
1 3-phase composite rheostat, 35 steps, 3-gang control, nichrome wire resistors.....	10.00
2 2-H chokes, 2 amperes.....	4.00
1 Acme choke, 6 H, 0.6 amps. Mounted.....	8.00
1 Inca choke, D-45, 60/12 H at 50/500 mils.....	14.00
2 Igrad cond., 2 Mfd. 2000 v. @ \$2.00.....	4.00
2 Dykanol cond., 2 Mfd. each, 2000 v. @ \$5.00...	10.00

POWER-AMPLIFIER UNIT:

1 22-gauge copper shield, 7 x 21½ x 26 inches..	\$ 4.00
2 tank and load induct., 16 turns each, solid copper ⅝" x ¼". 8 in. diameter. Spacing ¼ in. Mounted. @ \$4.00.....	8.00
2 Nat. variable cond., Type DX, 42-plate, high-voltage, @ \$10.00.....	20.00
1 Nat. variable cond., Type DX, 11-plate, double-spaced.....	4.00
2 Nat. vernier dials, 4-in. @ \$1.50.....	3.00
1 Nat. vernier dial, 3-in.....	1.00
2 RCA "50-watt" sockets, UT 541 @ \$1.75.....	3.50
1 Nat. variable cond., DX type, 23-plate, medium voltage.....	5.00
1 Karas Type 17, .00037 Mfd.....	2.00
2 Hammarlund RF chokes. 500 mils. @ \$2.00..	4.00
1 C-D Type 86 mica plate blocking cond., 7 amp. at 1875 kcs. .0005 Mfd.....	12.00

MODULATOR UNIT:

1 22-gauge copper shield (same as P.A.).....	4.00
1 modulation trans., Inca T425786, T-42. Four 845's in parallel push-pull to two 203-A's in parallel. Impedances available 4500, 5000 and 5500 ohms. 100 to 200 watts.....	45.00
1 Inca T-22 input trans., T5862, two 6L6 to four 845's.....	17.50
1 Inca driver input trans., T-6.....	5.00
2 Inca filament trans., J-25, 110-v. line to 10 v. 10 amp. sec. @ \$4.30.....	8.60
1 Inca J-18 fil. trans. for drivers.....	1.00
4 E. F. Johnson "50-watt" sockets @ \$1.75.....	7.00
1 Inca D-46 choke, 40/S H at 75/750 mils.....	36.50
2 Faradon mica cond., 0.1 Mfd., 1000 volts, 10 amp. at 300 kcs., @ \$14.00.....	28.00
1 C-D Dykanol cond., 4 Mfd., 2500 volts.....	18.00
2 Ohmite 5000-ohm pots. for variable C-bias control, @ \$2.00.....	4.00
1 cadmium-plated chassis for unit.....	5.00

METERS:

1 Weston 301, 0-500 mils. DC. Metal case.....	9.00
1 Weston 476, 0-15 volts AC. Bakelite case....	9.00
1 Jewell, Pattern 53, 0-300 mils. DC. Metal case	4.50
3 Weston 301, 0-200 mils. DC. Metal cases @ \$9.00.....	27.00
2 Weston 301, 0-50 mils. DC. Metal cases, @ \$9.00.....	18.00
1 Weston 301, 0-100 mils. DC. Metal case.....	9.00
1 Weston 476, 0-10 volts AC. Metal case.....	9.00
1 Weston 476, 0-300 volts AC. Metal case.....	16.50
1 Weston 301, 0-1 amperes DC. Metal case.....	9.00
1 Weston 425, 0-3 amperes RF. (No thermocouple), Bakelite case.....	8.00
1 Jewell, Pattern 54, 0-2000 volts DC. External resistor. Bakelite case.....	15.00

Please address Wallace S. Wiggins, Chief Operator.

For sale by Benjamin W. Hespen, Box 2, Livingston, Montana

- 6 866 Rectifiers (Taylor), \$1.00 each.
- 2 T55 Triodes (Taylor), \$5.00 each.
- 4 TZ40 Triodes (Taylor), \$1.50 each.
- 4 TZ20 Triodes (Taylor), \$1.00 each.
- 2 T20 Triodes (Taylor), \$1.00 each.
- 1 809 Triode (RCA), \$1.50.

Tubes used less than 50 hrs.

For sale by WKNE, Keene, N. H.

1600 v., 1.5 ampere motor generator, less exciter, excellent cond. 3 type 222-A tubes used. 5 h.p., 3 phase 220 v. 1800 RPM motor.

For sale by Alexander Schiffner, Box 7, Spokane, Wash.

Y4 Presto Recorder and 87B Presto amplifier comp., new cond., make offer.

For sale by WJHP, Jacksonville, Fla.

- 1 Collins type 32-G trans. comp. with tubes, lord mounts, and crystals for 1622, 2058, 2150, 2790 kilocycles.
 - 1 Kato model 23A gasoline motor-generator 500 w., 110 v., 60 cycles.
 - 1 Lampkin freq. meter, type 105.
- Make offer.

WILL BUY

Wanted by WCOU, Lewiston, Maine

- 1 Webster Chicago amplifier, type W-814, W-830 or W-860 or equiv. standard makes.
- 1 Portable 110-v. AC portable light plant PINCOR, KATO or equiv.

Address all replies to John T. Duty, Chief Engineer.

TUBES AVAILABLE FROM AMATEURS

For sale by G. G. Farnsworth, 623 Jefferson St., Waterloo, Iowa

- New RCA 828 tubes.
- New RCA 814 tubes.
- New Westinghouse 872-A.
- New Raytheon 807.
- 1 Large portable Leach recorder:
 - 16" cast aluminum turntable.
 - Cuts either in-to-out or out-to-in.
 - Has built-in radio.
 - Cuts 78 or 33-1/3 RPM.
 - 10 watt amplifier. Used approx. 1 yr. \$385.00.
 - Has dual channel mike input, can be used as fair sized P.A. (10" speaker). Has very good play-back characteristics.
- New Westinghouse 866-A.
- Various P.A. amplifiers, speakers and monitor equipment. Few types of Thord. CHT line trans.
- 1 each 2 channel and 1 new 4 channel broadcast pre-amplifiers (straight A.C. operation).

Wanted by KPQ, Wenatchee, Wash.

Coaxial line, 7/8" or larger. Pieces 10 ft. or longer.

Wanted by KOME, Tulsa, Okla.

RCA type 44-BX or RCA type 74-B microphone.

Wanted by KVAK, Atchison, Kansas

- 1 speech input studio console.
- 2 Turn-tables (for studio use).

Give model, make and full description. Address replies to Charles L. Giles, Chief Engineer.

Wanted by WHP, Harrisburg, Pa.

1 Boom type mike stand for heavy type RCA microphone.

Wanted by KVEC, San Luis Obispo, Calif.

- 1 906 Cathode ray tube.
- Address reply to Hyrum Larsen, 238 Sandercock.

Wanted by WMRC, Greenville, S. C.

- RCA 44-BX microphones.
 - 2 or 3 collapsible stands.
 - VU meter, RCA, Collins, or WE Peak limiting amplifier, 500 ohm line to 15 ohm voice coil high quality trans., 250 ohm DAVEN faders, Key Switches, 40-C program amplifier, either in good or poor cond.
- Address reply to George Tate, Chief Engineer.

Wanted by WSJS, Winston-Salem, N. C.

1 Field strength set. Prefer Federal Telegraph Co. make.

For sale by C. A. Lanham, 404 W. Union, Bloomington, Ill.

- 1 RCA 1627 tube, never used, \$13.50.
- Will ship on approval.

For sale by Chester R. Ashby, P. O. Box 300, Farmington, Utah

- 1 DeForest 872, new, \$7.50.
 - 1 RCA 800, almost new, \$5.00.
 - 1 RK20, almost new, \$7.50.
 - 1 RCA 811, almost new, \$2.00.
 - 2 Taylor 203-B, new, \$6.00 each.
- All tubes guaranteed.

For sale by David B. Levine, 919 Forest Ave., Bronx, N. Y.

- 2 805 tubes, used few months. \$10 each.