



# AUDIO engineering society

Containing the Activities and Papers of the Society, and published monthly as a part of AUDIO ENGINEERING Magazine

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P. O. Box 12, Old Chelsea Sta.,  
New York 11, N. Y.

## New York Section Concludes Third Lecture Series

**W**ITH AN ENROLLMENT of over 120 enthusiastic audio-minded individuals—both members and non-members—the Third Lecture Series given by the New York Section of the Audio Engineering Society concluded on February 14, after a six-week course. The subject of the current series was “Amplifiers,” important to anyone in audio work, either professionally or as a hobby.

The first lecture, given on January 10 by Hermon Hosmer Scott, provided the introduction to the entire series under the title “The Amplifier and Its Place in the Circuit—a Survey.” In his talk, Mr. Scott covered the essentials involved in amplifier design and operation, primarily to point out what is necessary in any study of amplifier planning. The relation of the amplifier to other elements in the system was pointed out, and the requirements of performance and the necessary power supply problems were reviewed.

W. R. Ayres, of RCA Victor Division, discussed “Power and Voltage Amplifiers” in the second lecture. His approach was primarily from the viewpoint of the designer of actual circuitry, and covered in a competent manner the choice and use of tubes.

G. Grenier and Myron R. Coe, both of Langevin Manufacturing Corporation, shared the third evening, the former discussing special preamplifier problems in

professional applications, while the latter covered power supplies.

James Wilson, of National Broadcasting Company, presented an enlightening talk on the “Design of Complete Amplifier System” for the fourth evening, largely for the non-professional user of amplifiers.

Again with two lecturers, the fifth evening brought R. S. Gerhold and S. F. Danko, both from Signal Corps Engineering Laboratories at Fort Monmouth, with discussions of components and their characteristics, and miniaturization—an important subject in current electronic design practice.

The course concluded with a discussion of “Measurement Methods,” given by H. B. Hooper of Airborne Instruments Laboratory, Inc. This lecture described current practice in measuring gain, frequency response, input and output impedance, and distortion—both harmonic and intermodulation.

All who attended the series were given lecture notes prepared by the individual speakers for their respective talks, and similar in content to those of the first two lecture courses. These notes will be made available to members and non-members at nominal fees as soon as all who registered have obtained those notes for lectures at which they may not have been present. Announcement will be made on this page as soon as the availability is determined.

Marcus and M. V. Marcus; “Automatic audio gain controls,” by J. L. Hathaway; “Sound reinforcing systems,” by Arthur W. Schneider; “Loudspeaker damping,” by Albert Preisman; “The effect of sound intensity level on judgment of ‘Tonal range’ and ‘volume level,’” by Stephen E. Stuntz; “A new method of measuring and analyzing intermodulation,” by C. J. LeBel; “Toward a more realistic audio,” by Ross H. Snyder; “The measurement of audio volume,” by Howard A. Chinn; and “Direct radiator loudspeaker enclosures,” by Dr. Harry F. Olson.

At the present time, all of these papers are included in the sets, and all will be supplied as long as they are available.

## MEMBERSHIP APPLICATIONS

The lack of an application form may have deterred many who wish to join the Society from actually doing so. However, for their convenience, such a form may be found on page 64 of this issue. Please note that the remittance for the grade desired must accompany the application, and that the form must be signed by the applicant.



## Employment Register

POSITIONS OPEN and AVAILABLE PERSONNEL may be listed here at no charge to industry or to members of the Society. For insertion in this column, brief announcements should be in the hands of the Secretary, Audio Engineering Society, P. O. Box 12, Old Chelsea Station, N. Y. 11, N. Y., before the fifth of the month preceding the date of issue.

★ Positions Open • Positions Wanted  
★ **Radio Engineers.** The Department of State needs radio engineers at present and under-construction relay bases overseas for its Voice of America program.

Salaries are from \$4719 to \$6807 plus a tax-free allowance for rent, heat, light, fuel, and electricity. In addition, there is a variable allowance to adjust for living costs at posts where the cost of living has been determined to exceed that prevailing in Washington, D. C., and a differential is also paid to employees serving at posts which are considered to have exceptionally difficult living conditions.

Interested American citizens of at least five years' standing and who are willing to serve at any post abroad for a continuous period of not less than two years may obtain further information by writing a resume of their qualifications to the Division of Foreign Service Personnel, 1734 New York Avenue N.W., Washington, D. C.

## The Audio Fair in Chicago

Following immediately after the annual Radio Parts Show in May, the first Audio Fair in Chicago will open its doors at 10:00 a.m. on Friday, May 23, and run until 9:00 p.m. on Saturday, May 24.

Choice of these dates makes it possible for many exhibitors who will already be set up for the Parts Show to remain for two more days and display their audio products with a minimum of effort in preparing for the onslaught of midwest audio engineers and hobbyists. The Parts Show, never open to the public, occupies the fifth and sixth floors of the Conrad Hilton Hotel from May 19 to May 22, and those exhibitors with audio products can remain for two more days in the newest Audio Fair. Distributors, and those manufacturers who are not exhibiting at the Parts Show, will be assigned rooms on the seventh floor of the hotel, and all three floors will be open to the public for the two days of the Fair, according to Harry N. Reizes, Fair Manager.

The unparalleled popularity of the yearly Audio Fair, held in New York each Fall in conjunction with the Society's Annual Convention, is expected to be duplicated

with the midwest showing, and members and enthusiasts in the Chicago area are exhorted to mark May 23 and 24 in their date books early to make sure that they do not miss the newest Fair.

The Society is sponsoring the Chicago event, as it does The Audio Fair each year in New York.

## Back Issues of AES Papers Available

For the benefit of members who may have misplaced their Society publications, or for non-members who may wish to obtain a complete file of AES papers, the Secretary's office announces the availability of sets of previously published papers. These sets may be obtained by writing the Secretary, Audio Engineering Society, P. O. Box 12, Old Chelsea Station, New York 11, N. Y. accompanied with a remittance of \$1.00 for members and \$2.00 for non-members.

The available papers include: “Longitudinal noise in audio circuits,” by H. W. Augustadt and W. F. Kannenberg of Bell Telephone Laboratories; “The diamond as a phonograph stylus material,” by E. J.