



AUDIO engineering society

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

Audio Engineering Society,
Box F, Oceanside, N. Y.

OFFICERS

C. J. LeBel, President

C. A. Rackey.....Executive Vice-Pres. John T. Mullin.....Western Vice-Pres.
Norman C. Pickering.....Secretary Ralph A. Schiegel.....Treasurer

Convention Program

Thursday, Oct. 27th

1:30 to 2:30 p.m. Business Meeting—Installation of officers

2:30 to 5:00 p.m. Magnetic Recording Session

- Chairman Dr. D. G. C. Hare
1. Operating Problems & Experiences R. H. Barnaby—NBC
 2. Standards—Present Status R. M. Morris—ABC
 3. Technical Problems of Standardization E. W. Franck—Audio Devices
 4. Distortion Measurements G. L. Dimmick—RCA
 5. Speed Regulation Problems P. Brubaker—Rangertone

Friday, October 28th

9:30 a.m. to 12 Noon Papers

1. Automatic Audio Gain Control & Limiting J. L. Hathaway—NBC
2. A New Development in Directional Microphones Dr. Harry F. Olson—RCA
3. Microphone Placement in AM & TV H. M. Gurin—NBC
4. Longitudinal Interference B. W. Augstadt—BTL
5. Control of Sound in the Theatre Dr. Harold Burris-Meyer
6. Logic in Relay Switching Circuits, with an Introduction to Boolean Algebra W. Keister—BTL

1:30 to 5:00 p.m. Papers

1. A New Coupling Circuit for Audio Amplifiers F. M. McIntosh
2. Standards—A General Discussion Cyril Ainsworth—ASA
3. Audio Techniques in TV Broadcasting S. Patremio—DuMont
4. Audio Consoles for TV R. W. Byloff—NBC
5. Sound Reinforcing System A. W. Schneider—Commercial Radio-Sound, Inc.

6:30 p.m. Audio Engineering Society Banquet
Presentation of awards—loudspeaker demonstrations.

Saturday, October 29th

9:30 to 12 Noon Audio Measurements Session

- Chairman W. L. Black—BTL
1. The General Problem W. L. Black—BTL
 2. Intermodulation Dr. Pederson—General Radio;
E. Roys—RCA; J. K. Hilliard—Altec-Lansing; N. C. Pickering—Pickering Co.
 3. Transient Methods
 4. Operating Problems J. D. Colvin—ABC

THE FIRST annual convention of the Audio Engineering Society opens its first session at Hotel New Yorker (shown in the inset on the cover) at 1:30 p.m. on Thursday, October 27, 1949, with an anticipated attendance of a majority of the 800 members of the Society throughout the three-day meeting.

For a relatively young organization, an imposing array of technical sessions has been scheduled—rather more papers on audio than have heretofore been presented at all other conventions taking place within a year's time. To ensure the greatest interest in the technical sessions, the papers have been grouped to attract specialists in the audio field

to specific mornings or afternoons where their particular interests lie.

The first session begins at 1:30 p.m. on Thursday with a Business Meeting of the national organization, at which time the newly elected officers will be installed. This will be followed by the Magnetic Recording Session under the chairmanship of Dr. D. G. C. Hare, and presenting papers covering operating, standardization, and measurements.

The Friday sessions will be devoted to a variety of papers, principally on equipment and operating techniques. These will be followed by the banquet to be held in the East Ballroom during the evening. Unique in professional society banquets, this one is limited to

a minimum of speeches. The Society's annual awards will be presented at the banquet, however, and some enlightening entertainment is promised in the comparative loudspeaker demonstration.

The Saturday Morning session is devoted to Audio Measurements, under the chairmanship of W. L. Black, of Bell Telephone Laboratories. Considerable interest is being shown in the papers on Intermodulation, which are being presented by four different engineers, and which may lead to a more thorough understanding and standardization of this relatively new method of rating distortion.

All technical sessions of the Convention are open to members at no charge, while nonmembers may register for any or all sessions for a single nominal fee of \$1.50.

The Audio Fair, being held simultaneously with the convention, consists of a number of exhibits arranged so that the manufacturers can demonstrate their products aurally as well as show them visually. The exhibits, which will cover practically the entire sixth floor of the Hotel New Yorker, will open at 11:00 a.m. on Thursday and remain open until 10:00 p.m. On Friday they will be open from 10:00 a.m. to 6:00 p.m., closing to permit members to attend the banquet. The exhibits will be open on Saturday from 10:00 a.m. to 4:00 p.m., at which time the Convention and The Audio Fair will come to a close.

Designed to give the exhibitor the opportunity of displaying his products in the manner in which they are designed to be shown—aurally—The Audio Fair will bring amplifiers, loudspeakers, phonograph pickups, microphones, turntables, measuring instruments, and accessories before the audio men in attendance, along with the latest developments in film, magnetic, and disc recorders and in equipment for broadcasting and TV as well as for the hobbyist. Anyone interested in any phase will find something to his particular liking.

The Audio Fair is open to both members and nonmembers alike, and there is no charge for admission.

PARTIAL LIST OF FAIR EXHIBITORS

Although last-minute requests are still coming in for exhibit space at The Audio Fair, the following exhibitors have already completed their plans for participation. As will be seen from a study of this list, most of the major manufacturers of sound and broadcast audio equipment will have their products on display, and all who attend will be able to hear as well as see the new developments in this field.

Altec Lansing Corp.
Ampex Electric Corp.
Audak Company
Audio and Video Products Corp.
Audio Development Company
Audio Devices, Inc.
Audio Facilities Corp.
Audio Instrument Company
Ballentine Laboratories, Inc.
Brociner Sound Laboratories
Brush Development Co.
Burlingame Associates
Frank L. Capps, Inc.
Clough-Brengle
Cook Laboratories
The Daven Co.
Allen B. DuMont Laboratories, Inc.
Electric Indicator Co.
Electronic Workshop, Inc.
Electro-Voice, Inc.
Fairchild Recording Equipment Corp.
General Electric Company
Gawlor-Knoop Co.
Hewlett-Packard Co.
James B. Lansing Sound, Ind.
H. J. Leak & Co., Ltd.
Livingston Electronic Corp.
Magnecord, Inc.
McIntosh Engineering Laboratories
J. A. Maurer, Inc.
Minnesota Electronic Corp.
Panoramic Radio Products, Inc.
Peerless Electrical Products Division
Permoflux Corporation
Pickering and Co., Inc.
Presto Recording Corp.
Prestoseal Manufacturing Corp.
Proctor Soundex Corp.
Racon Electric Co., Inc.
Radio Corporation of America
Rangertone, Inc.
Recogram Recorders Co.
Rek-O-Kut Company, Inc.
Sonar Radio Corporation
Somerset Laboratories, Inc.
Stancil-Hoffman Corp.
Stephens Manufacturing Corporation
Sun Radio & Electronics Co., Inc.
Tech Laboratories, Inc.
Tektronix, Inc.
University Loudspeakers, Inc.
U. S. Recording Co.

San Francisco Section Starts Audio Course

AUDIO ENGINEERS in the San Francisco area have begun a ten-lecture course on audio engineering which is being presented as a fall educational program by the Society Section. This series, which began Monday, September 26, is being held at the Redding School, Pine and Larkin Streets, San Francisco, at 8:00 p.m., and will continue on Monday evenings through December 12.

Nationally recognized authorities in the various fields covered have prepared subject matter which is being presented and interpreted by engineers active in the corresponding specialties with companies and educational institutions throughout the Bay area. The lecture series covers essentially the same subject matter as that of the New York section in its Spring Educational Series, and the original papers are the basis for this new series.

The Educational Committee of the San Francisco Section is composed of Walter T. Selsted, Pacific Broadcasting Co., chairman; Bob Hugh Smith, Dept. of Elec. Engrg., Univ. of California; Myron C. Stolaroff and Frank Lennert, Ampex Electric Corp.; Al Eisberg, KRON and KRON-TV; and Ross H. Snyder, KJBS and KJBS-FM.

Individual lectures or the entire series are open to members and non-members of the Society on payment of the established fees. Mr. Selsted, chairman, may be contacted at 363 Oakview, San Carlos, Calif.

Southern Michigan Section Starts Fall Season

The first program of the 1949-1950 season was held on Tuesday, September 20, at Kalamazoo, Michigan, with a paper on "Magnetic Tape Recording" presented by Mr. Tinkham, President of Magnecord, Inc., and Mr. Leroy W. Beier, of the Leroy W. Beier Co. In addition to the talk, the program offered a demonstration of a high-quality audio system consisting of the professional magnetic tape recorder manufactured by Magnecord, Inc., with an audio range of 30 to 15,000 cps; the new fifty-watt McIntosh amplifier; and the Stephens Coaxial two-way speaker and cabinet. This equipment is of broadcast quality, and does full justice to the program material used.

Student Chapter News

The first Student Chapter of the Audio Engineering Society at the RCA Institutes, Inc., N. Y., has completed a highly successful first semester. Active membership totals over fifty students, and interesting and informa-

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 AES Editor before the tenth of the month preceding the date of issue. Address replies to AES Editor, Audio Engineering, 342 Madison Ave., New York 17, N. Y.

• **Technical Public Relations man**, with wide experience in publicity, brochure production, press relations, etc., especially in audio work. College graduate, 30, married, presently employed. Will consider part-time employment. Box 91.

• **Audio Engineer**, with manufacturing, design, development experience in disc, film, and magnetic recording and reproduction and in sales engineering for recording equipment desires to change present position, held 10 years. Age 33, married, university graduate in engineering. Prefer New York area, but willing to travel. Box 92.

• **Audio Engineer**, BSEE 1936. Section head at govt lab; 8 years applied research, analysis, and development in electronics, electro-acoustics, sound recording and reproduction. Desire position in private industry in audio or electronics, northeast preferred. Age 33, married. Box 93.

• **Music Engineer**. Grad. RCA Institutes; MA in Music (Harvard). Excellent background in audio and music. Seeking position requiring coordination of technical and musical considerations. Highest references. Available Sept. 6. Box 94.

• **Engineering Student Graduate**. Trained in audio amplifier and circuit design. Interested in audio-video amplifier and test equipment design. Box 95.

• **Engineering Trainee**. RCA Institutes graduate, Age 25. Recording, amplifier, and transducer interests. Machine shop experience. Box 96.

• **Recording Engineer**. 10 years exp. recording, maintenance, disc and tape. Good mixer, excellent knowledge of classical music. Available after 2 p.m. daily, all day Sat. and Sun. Box 97.

• **Audio Technician**. 12 yrs laboratory, mfg, and field experience. 1st phone, competent trouble-shooter and constructor with design background. Pleasing, effective personality. Desire responsible position with BC station or equipment manufacturer. Box 101.

• **Research and Development Engineer**. Ph. D., specialized in electronics, circuit design, electro-mechanical devices, acoustics, precision-mechanics, nuclear physics equipment. Would like to be your consultant or part-time adviser. Box 102.

• **Electrical Engineer**, over 20 yrs electronic, acoustic, dynamic audio devices, systems. Accomplishments in development, design, manufacture, for commercial, marine, govt equipment. Exp. supervision, planning, estimating. Early radio background. Residence NY area. Box 103.

• **RCA Institute graduate** wishes position with audio company or recording studio. Box 104.

tive programs have formed a major part of the monthly meeting. Such well-known men in the audio engineering field as Norman Pickering, and Clyde R. Keith have been guest speakers. An equally active program is planned for the coming school year.