

AUDIO engineering society— Fourth Annual Convention Program

WITH THE INCREASE in the length of the AES Convention from three days to four, more time is available for the presentation of technical papers—the principal function of the annual meeting. As heretofore, papers have been grouped to facilitate attendance by those who have interests primarily centered in a specific branch of the audio field. Sessions over the four days have been arranged to cover recording, new developments, components, intermodulation distortion, speech input systems, design data, and home music systems. Because of the general public interest in the latter subject, this session is scheduled for Saturday morning, since many of those who would find something of value in these papers might not be free to attend during the week-day sessions.

According to F. Sumner Hall, Society vice-president and chairman of the Convention Papers Committee, the program is complete, and consists of the following papers:

WEDNESDAY, October 29

10:00 a.m. Annual Business Meeting of the Society.
(This meeting is open only to members.)

10:30 a.m. Technical Session

RECORDING

BINAURAL DISC RECORDING, Emory Cook, *Cook Laboratories*
METHODS OF MEASURING SURFACE INDUCTION OF MAGNETIC TAPE, J. D. Bick, *RCA Victor Division*
A NEW PROFESSIONAL MAGNETIC RECORDING TAPE, Edward Schmidt, *Reeves Soundcraft Corporation*.

2:00 p.m. Technical Session

NEW DEVELOPMENTS

CONSTANT-CURRENT OPERATION OF POWER-AMPLIFIERS, Howard T. Sterling, *Waveforms, Inc.*
A NEW POCKET WIRE RECORDER, Oliver Read, *Radio & Television News*
MUSICAL THERAPY, R. L. Cardinell, *Magnetic Programs, Inc.*
SOME CONSIDERATIONS REGARDING VOLUME PRODUCTION OF ELECTRONIC MUSICAL INSTRUMENTS, George H. Hadden, *Minshall-Estey Organ, Inc.*
GUNSHOT REINFORCERS AND SYNTHESIZERS, J. L. Hathaway and R. E. Lafferty, *National Broadcasting Company*.

THURSDAY, October 30

10:00 a.m. Technical Session

COMPONENTS

THE DEPOSITED CARBON RESISTOR, Llewellyn Bates Keim, *Audio Consultant*
ELECTROLYTIC CAPACITORS—WHY AND WHEN, Mark VanBuskirk, *P. R. Mallory & Company, Inc.*
CHOICE OF TUBES FOR AUDIO CIRCUITS, W. R. Ayres, *RCA Victor Division*
REVIEW OF NEW PRINTED CIRCUIT DEVELOPMENT AND AUDIO-FREQUENCY APPLICATIONS, Arthur W. Kelly, Jr., *Photocircuits Corporation*.

[Continued on page 82]

CONVENTION PROGRAM

[Continued from page 58]

THURSDAY, October 30 (cont'd)

2:00 p.m. Technical Session

INTERMODULATION DISTORTION SYMPOSIUM

INTERMODULATION MEASUREMENTS, H. H. Scott, *Hermon Hosmer Scott, Inc.*
MEASUREMENT OF NON-LINEAR DISTORTION, Alan Bloch, *Audio Instrument Company, Inc.*
COMPARATIVE STUDY OF METHODS FOR MEASURING NON-LINEAR DISTORTION IN BROADCASTING AUDIO FACILITIES, Donald E. Maxwell, *Electronics Laboratory, General Electric Company*
DISTORTION IN PHONOGRAPH REPRODUCTION, H. E. Roys, *RCA Victor Division*.

FRIDAY, October 31

10:00 a.m. Technical Session

SPEECH INPUT SYSTEMS

BASIC PROBLEMS IN AUDIO SYSTEMS PRACTICE, W. Earl Stewart, *RCA Victor Division*
AUDIO FREQUENCY INPUT CIRCUITS, William B. Snow, *Vitro Corporation of America*
ATTENUATOR TYPES AND THEIR APPLICATION, Chester F. Scott, *The Daven Company*
THE DESIGN OF SPEECH INPUT CONSOLES FOR TELEVISION, Robert H. Tanner, *Northern Electric Company, Ltd.*

2:00 p.m. Technical Session

DESIGN DATA

CONSIDERATION OF SOME FACTORS CONCERNING THE USE OF AUDIO TRANSFORMERS, W. E. Lehnert, *Audio Development Company*
BYPASS AND DECOUPLING CIRCUITS IN AUDIO DESIGN, Lewis S. Goodfriend, *Audio Instrument Company, Inc.*
R-C NETWORKS IN AMPLIFIER DESIGN, Edwin D. Sisson, *Bell Sound Systems, Inc.*
ATTENUATION EQUALIZERS, F. R. Bies, *Bell Telephone Laboratories, Inc.*
NETWORK TRANSFORMATIONS, Leslie Norde, *Hammarlund Manufacturing Company*.

SATURDAY, November 1

10:00 a.m. Technical Session

HOME MUSIC SYSTEMS

ANALYZING THE LP PICKUP PROBLEM, Theodore Lindenberg, *Pickering & Company, Inc.*
BINAURAL SOUND REPRODUCTION AT HOME, Harold T. Sherman, *Sherman Studio*
TESTING AND ADJUSTING SPEAKER INSTALLATIONS WITH THE SOUND-SURVEY METER, William R. Thurston, *General Radio Company*
CONCERT HALL REALISM THROUGH THE USE OF A DYNAMIC LEVEL CONTROL, John Nigro, *Madison Radio Sound*, and Jerry B. Minter, *Measurements Corporation*.