

PUBLICATIONS AND REPORTS

MEETING PAPERS PRESENTED

Department of Psychology, Brown University, Providence
December 15, 1955

W. A. Rosenblith, Electrical activity in the auditory nervous system:
a probabilistic view (invited)

Acoustical Society of America, Brown University, Providence
December 15-17, 1955

M. H. Goldstein, Jr., The representation of some periodic stimuli in the
bifrequency plane

M. Halle, G. W. Hughes, and J. -P. A. Radley, On acoustical cues for stop
consonants

L. Tisza, Theoretical aspects of sound propagation in liquid helium (invited)

AAAS, Atlanta, Georgia
December 26, 1955

C. M. Witcher, Analysis and design of a travel aid for the blind

Modern Languages Association Annual Meeting, Chicago
December 27-30, 1955

A. N. Chomsky, F. Lukoff, and M. Halle, Accent and juncture in English

Linguistic Society of America, Chicago
December 29, 1955

J. R. Applegate, The phonemes of Shilha

Conference on the Practical Utilization of Recorded Knowledge, Western Reserve
University, Cleveland, January 16-18, 1956

R. M. Fano, Information theory in automation of retrieval of recorded
information

Theoretical Physics Seminar, Yale University, New Haven
February 7, 1956

C. L. Schwartz, Theory of hyperfine structure (invited)

Cercle Linguistique of New York, New York
February 11, 1956

V. H. Yngve, The challenge of mechanical translation to the linguist

1956 IRE-AIEE University of Pennsylvania Conference on Transistor Circuits
Philadelphia, February 15-16, 1956

R. B. Adler, Analysis and equivalent circuits (invited tutorial paper on
transistors)

C. R. Hurtig, Voltage tuned RC networks using junction diodes and transistors

MEETING PAPERS PRESENTED (continued)

Spectroscopy Symposium, Argonne National Laboratory, Lemont, Illinois
February 15-16, 1956

F. Bitter, Getting rid of the Doppler effect

J. E. R. Young, A high-resolution absorption spectroscope for the study of resonance lines of radio-isotopes

H. H. Plotkin, Magnetic scanning of the mercury 3S_1 state

JOURNAL ARTICLES ACCEPTED FOR PUBLICATION

(Reprints may be requested from the Document Room, 20-B-221,
Research Laboratory of Electronics, Massachusetts Institute of
Technology, Cambridge 39, Massachusetts)

E. F. Bolinder, The relationship of physical applications of Fourier transforms in various fields of wave theory and circuitry (Acta Polytechnica)

J. Gross, Tuned circuits containing negative resistance (J. Appl. Phys.)

M. Halle, Review of "Manual of Phonology" by Charles F. Hockett (J. Acoust. Soc. Am.)

H. H. Kolm and M. A. Herlin, A new method for measuring the absolute viscosity of helium II (Phys. Rev.)

LETTERS TO THE EDITOR ACCEPTED FOR PUBLICATION

E. F. Bolinder, Some applications of Fourier transforms in electrical engineering and their interrelationships (Proc. IRE)

TECHNICAL REPORTS PUBLISHED

(These and previously published technical reports may be obtained from the Document Room, 20-B-221, Research Laboratory of Electronics, Massachusetts Institute of Technology, Cambridge 39, Massachusetts)

296 J. Capon, Bounds to the entropy of television signals

298 D. I. Kosowsky, Synthesis and realization of crystal filters

