

PUBLICATIONS AND REPORTS

MEETING PAPERS PRESENTED

Linguistic Summer Institute
July 18-30, 1952, Bloomington, Indiana

Y. Bar-Hillel: Linguistic Problems Connected with Machine Translation

Seventh International Conference of Linguists
September 1-6, 1952, London

Y. Bar-Hillel: A Quasi-Arithmetical Notation for Syntactic Description

Y. Bar-Hillel: Problems of Machine Translation

O. N. R. Conference on Magnetism
September 2-6, 1952, University of Maryland

F. Bitter, R. F. Lacey, B. Richter: Optically Induced Nuclear Magnetization. A Progress Report

American Physiological Society
September 4-6, 1952, New Orleans

W. A. Rosenblith, W. J. McGill: Neural Responses to Pairs of Acoustic Clicks: A Statistical Interpretation

I. R. E. New York Section
September 10, 1952, New York City

L. S. Christie: The Collection of Information in Human Networks

I. R. E. Connecticut Valley Section
September 18, 1952, Coast Guard Academy, New London

L. G. Arguimbau: Interference Problems in Frequency Modulation

Symposium on Communication Theory
September 22-26, 1952, London

Y. Bar-Hillel, R. Carnap: An Outline of a Theory of Semantic Information

MEETING PAPERS PRESENTED (continued)

- R. M. Fano: Communication in the Presence of Additive, Gaussian Noise
W. H. Huggins: A Theory of Hearing

Cercle Logique de Belgique
September 23, 1952, Brussels

- Y. Bar-Hillel: Problems of Machine Translation

National Electronics Conference
September 29 - October 1, 1952, Chicago

- M. J. Levin, J. F. Reintjes: A Five-Channel Electronic Analogue
Correlator

Austrian Physics Society
October 2-4, 1952, Vienna

- F. Reder, S. C. Brown: Microwellen – Feldzusammenbruch in reinem
Helium

Gaseous Electronic Conference
October 6, 1952, Schenectady, N. Y.

- M. A. Herlin, V. Mayper, Jr.: Second-Sound Velocity in Liquid Helium II
as a Function of Pressure Below 1°K

Cryogenics Conference, G. E. Research Laboratories
October 6-7, 1952, Schenectady, N. Y.

- H. E. Rorschach, Jr., M. A. Herlin: The Resistance Minimum in
Magnesium

I. R. E. North Jersey Section
October 8, 1952, Montclair, N. J.

- S. J. Mason: Feedback Theory

JOURNAL ARTICLES ACCEPTED FOR PUBLICATION

- F. Bitter: Looking Into the Nucleus (J. Opt. Soc. Am.)

JOURNAL ARTICLES ACCEPTED FOR PUBLICATION (continued)

- B. T. Feld: Nuclear Moments (Annual Rev. Nuc. Sci.)
- C. P. Hadley: Thermionic Emission from Oxide-Coated Tungsten Filaments (J. Appl. Phys.) (T.R. No. 218)
- W. H. Huggins: A Phase Principle for Complex Frequency Analysis and its Implications in Auditory Theory (J. Acoust. Soc. Am.)
- J. Macy, Jr., L. S. Christie, R. D. Luce: Coding Noise in a Task-Oriented Group (J. Abnormal and Soc. Psych.)
- H. E. Rowe: Noise Analysis of a Single-Velocity Electron Gun of Finite Cross-Section in an Infinite Magnetic Field (Trans. I.R.E.)
- R. E. Scott, S. Fine, A. MacMullen: Nonlinear Filtering and Waveshape Multiplexing (Electronics)

LETTERS TO THE EDITOR ACCEPTED FOR PUBLICATION

- S. C. Brown, J. E. Coyle: An All-Metal Vacuum Valve (R.S.I. Lab. and Shop Notes)

TECHNICAL REPORTS PUBLISHED

(The technical reports listed here may be obtained from the Document Office, 20-B-221, Research Laboratory of Electronics, Massachusetts Institute of Technology, Cambridge 39, Massachusetts.)

- No. 201 L. Weinberg: New Synthesis Procedures for Realizing Transfer Functions of RLC and RC Networks
- No. 216 J. J. Bussgang: Crosscorrelation Functions of Amplitude-Distorted Gaussian Signals
- No. 228 M. K. Wilkinson: Crystallographic Variations of Field Emission from Single Tungsten Crystals
- No. 230 D. J. Rose, S. C. Brown: Methods of Measuring the Properties of Ionized Gases at High Frequencies III. Measurement of Discharge Admittance and Electron Density