PUBLICATIONS AND REPORTS
MEETING PAPERS PRESENTED

Particle Accelerator Conference, Washington, D.C.
March 1-3, 1967
L. M. Lidsky and D. Colombant, A High-Power Windowless Gas Target

Du Pont Company, Wilmington, Delaware
March 7, 1967
W. A. Rosenblith, The Communication Sciences and the Brain, Anno 1967 (invited)

IEEE International Convention, New York
March 20-23, 1967
E. V. Hoversten, The Atmosphere as an Optical Communication Channel
J. Katzenelson, D. S. Evans, and H. B. Lee, A Program for On-line Analysis of Nonlinear Electronic Circuits
H. L. Van Trees, Analog Message Transmission: Bounds and System Performance Comparisons

March 20-22, 1967
E. P. Gyftopoulos and D. Steiner, Orbital Electronegativity and Physical Properties of Bimetallic Adsorption Systems
D. Steiner and E. P. Gyftopoulos, An Equation for the Prediction of Bare Work Functions

Advanced Research Projects Agency, Washington, D.C.
March 24, 1967
W. A. Rosenblith, Sensory Communication: Anno 1967 (invited)

Society for Research in Child Development Meeting, New York
March 29-31, April 1, 1967
Paula Menyuk, Children's Learning and Recall of Grammatical and Nongrammatical Phonological Sequences

First Annual Princeton Conference on Information Sciences and Systems, Princeton University
March 30-31, 1967
T. S. Huang, System Study on Fourier-Transform Holographic Television

Optical Society of America, Columbus, Ohio
April 12-14, 1967
W. H. Miller, G. D. Bernard, and J. L. Allen, Reflection Properties of Anthropod Corneas
New York Academy of Sciences Conference on Rein Control, or Unidirectional Rate Sensitivity, a Fundamental Dynamic and Organizing Function in Biology, New York
April 13-14, 1967
P. G. Katona, G. O. Barnett, and W. H. Levison, Asymmetry in the Carotid Sinus Reflex
W. S. McCulloch, The Fun of Failures (invited)

American Epidemiological Society Annual Meeting, Boston, Massachusetts
April 14, 1967
W. A. Rosenblith, Model-Making : Shadow and Substance (invited)

American Geophysical Union Annual Meeting, Washington, D.C.
April 17-20, 1967
G. Fiocco and G. Grams, Optical Radar and Airglow Observations during Noctilucent Cloud Displays
F. Koehler, Jr. and D. C. Papa, Observations of Microwave Emission by Molecular Oxygen in the Lower Stratosphere

Computer Simulation Symposium, The College of William and Mary, Williamsburg, Virginia
April 19-21, 1967
J. A. Davis and A. Bers, Computer Simulation of the Beam-Plasma Interaction
H. M. Schneider and A. Bers, Nonlinear Boundary Effects in Plasma Slab Oscillations

Seventy-third Meeting, Acoustical Society of America, New York
April 19-22, 1967
J. J. Guinan, Jr. Barbara E. Norris, and Shelley H. Swift, Paucity of Unit Responses in the Accessory Superior Olive of Barbiturate-Anesthetized Cats
M. Halle and K. Stevens, On the Mechanism of Glottal Vibration for Vowels and Consonants
U. Ingard and H. Ising, Acoustic Nonlinearity of an Orifice (invited)
F. F. Lee, Automatic Grapheme-to-Phoneme Translation of English
M. J. Nahvi and R. J. Shofer, Response of Cells in the Cerebellar Cortex to Clicks
A. V. Oppenheim, Deconvolution of Speech
M. L. Wiederhold and S. H. Swift, Electrical Stimulation of the Crossed Olivococchlear Bundle : Its Effect on Responses of Auditory-Nerve Fibers to Tone Bursts

Physics and Chemistry Departments Colloquium, University of South Carolina, Columbia, S.C.
April 21, 1967
C. H. Perry, Lattice Vibrations in SrTiO$_3$ and KTaO$_3$ (invited)

American Physical Society Meeting, Washington, D.C.
April 24-27, 1967
K. Chung and J. Small, Oscillations in the Hollow Cathode Arc Column
MEETING PAPERS PRESENTED (continued)

Sigma Xi Lecture, Brown University, Providence, Rhode Island
April 20, 1967
W. A. Rosenblith, Communications Engineering and the Brain Two Decades after Wiener's Cybernetics (invited)

Department of the Army, Durham, North Carolina
May 2, 1967
W. A. Rosenblith, The Brain Sciences and Their Relation to Communication and Computer Engineering (invited)

Eighth Annual IEEE Symposium on Human Factors in Electronics, Palo Alto, California
May 3-5, 1967
D. E. Troxel, Page Position Selection for Use with a Reading Machine for the Blind

International Symposium on Microwave Theory and Techniques (sponsored by IEEE PGMTT), Boston, Massachusetts
May 10, 1967
D. H. Steinbrecher, M. E. Goff, and A. H. Solomon, Iterative Synthesis of Varactor-Multiplier Microwave Networks

United Aircraft Research Laboratories Seminar, East Hartford, Connecticut
May 11, 1967
S. C. Brown, Machine Retrieval of Published and Unpublished Technical Literature (invited)

JOURNAL PAPERS ACCEPTED FOR PUBLICATION
(Reprints, if available, may be obtained from the Document Room, 26-327, Research Laboratory of Electronics, Massachusetts Institute of Technology, Cambridge, Massachusetts 02139.)


S. K. Burns, A. A. Borbély, and R. D. Hall, Three-Dimensional Display for Evoked Potentials (Science)


D. L. Fehrs and R. E. Stickney, Contact-Potential Measurements of the Adsorption of Cs, O₂, N₂, and H₂ on (110) Ta (Surface Sci.)

J. J. Guinan, Jr. and W. T. Peake, Middle-Ear Characteristics of Anesthetized Cats (J. Acoust. Soc. Am.)


W. F. Pickard, Interpretation of Microelectrode Recordings from the Dorsal Root of Cat (Exptl. Neurol.)


LETTERS TO THE EDITOR ACCEPTED FOR PUBLICATION


TECHNICAL REPORTS PUBLISHED

(These and previously published technical reports, if available, may be obtained from the Document Room, 26-327, Research Laboratory of Electronics, Massachusetts Institute of Technology, Cambridge, Massachusetts 02139)

445 Thomas G. Kincaid, Time-Domain Analysis of Impulse-Response Trains
TECHNICAL REPORTS PUBLISHED (continued)

449 Gerald B. Kliman, Axisymmetric Modes in Hydromagnetic Waveguide

457 Alan E. E. Rogers, The Haystack-Millstone Interferometer System

458 Thomas B. Smith, Plasma Cyclotron Echoes

SPECIAL PUBLICATIONS


