MEETING PAPERS PRESENTED

Seminar Course in Biomedical Engineering, University of Rochester, Rochester, New York
November 29, 1961

M. H. Goldstein, Jr., Computer techniques in analytical studies of neuroelectric activity (invited)

The Radio Club of America, Inc., 52nd Anniversary Celebration, Columbia University Club, New York
December 1, 1961

W. S. McCulloch, Part I. Components of the nervous system
Part II. Reliability in biological computers (Guest Speaker)

Joint Meeting, Boston Chapters IRE Professional Group on Information Theory and Professional Group on Electronic Computers, Cambridge, Massachusetts
December 5, 1961

M. Eden, On forgery (invited)

University of Rhode Island Program of Visiting Scholars, Kingston, Rhode Island
December 5, 1961

W. A. Rosenblith, Sensory stimulation and the electrical activity of the nervous system (invited)

Fifteenth Annual Meeting, Eastern Association of Electroencephalographers, Albany, New York
December 6, 1961

L. Stark, Computer pattern classification: A new method for automatic EEG interpretation

Power Information Center, Jet Propulsion Laboratory, Pasadena, California
December 6-7, 1961

W. B. Nottingham, Analysis of typical voltage-current curves (invited)

Brown University Computing Laboratory Lecture Series entitled "Applications of Digital Computers," Providence, Rhode Island
December 12, 1961

W. A. Rosenblith, Computers and brains (invited)
MEETING PAPERS PRESENTED (continued)

Rochester Chapter Meeting IRE Professional Group on Biomedical Electronics, Rochester, New York
December 12, 1961

W. A. Clark, The trouble with computers (invited)

Boston Colloquium for the Philosophy of Science, Boston University, Boston, Massachusetts
December 14, 1961

L. Tisza, On the conceptual structure of physics (invited)

Lecture, Association Amicale Universitaire Franco-Américane, American Library, Grenoble (Isère), France
December 14, 1961

M. W. P. Strandberg, Massachusetts Institute of Technology, Institution for Education and Research (invited)

Linguistic Society of America Meeting, Chicago, Illinois
December 29, 1961

P. M. Postal, Some phenomenological problems in Mohawk

49th All India Science Congress, Cuttack, India
January 8, 1962

W. A. Rosenblith, Sensory communication (invited)

Séminaire de Résonance Magnétique, Institut Fourier, Grenoble (Isère), France
January 11, 1962

M. W. P. Strandberg, L'effet des interactions électrostatiques en Résonance Magnétique Nucléaire des liquides et des cristaux zéolithiques (invited)

Meeting of The Physical Society, London
January 12, 1962

W. R. A. Muntz, Microelectrode recordings from the diencephalon of the frog, and a blue receptor

Symposium on Optical Character Recognition (sponsored jointly by the Information Systems Branch of the Office of Naval Research and the Research Information Center of the National Bureau of Standards), Washington, D.C.
January 15-17, 1962

L. G. Roberts, Recent development in optical character recognition at M.I.T. (invited)
Colloquium on a Structural Grammar of Modern German, Center for Mathematical Linguistics and Automatic Translation, German Academy of Sciences, Berlin
January 15-21, 1962

E. S. Klima, Structural features attributable to ordering in German syntax
W. K. Percival, Problems of German word order

On the Occasion of the Inauguration of the Tata Institute for Fundamental Research, Bombay, India
January 15-23, 1962

W. A. Rosenblith, Three lectures on the Communications Sciences and the Nervous System (invited)
Seminar on the Neuroidal-Net Approach to the study of the Brain (invited)

Seminar, Dartmouth Computation Center, Hanover, New Hampshire
January 19, 1962

M. Eden, Biological applications of computing (invited)

New York Meeting, American Physical Society, New York
January 24-27, 1962

D. H. Douglass, Jr. and R. H. Blumberg, Validity of the Ginzburg-Landau theory of superconductivity at low temperature

Seminar, All India Institute for Medical Research, New Delhi, India
January 29, 1962

W. A. Rosenblith, Methods for the analysis of records from macro- and micro-electrodes (invited)

Seminar, Department of Neurology, Albert Einstein College of Medicine, New York
January 30, 1962

J. S. Barlow, Autocorrelation and crosscorrelation techniques in electrophysiology (invited)

Lecture, New Hampshire Section, IRE, Nashua, New Hampshire
January 31, 1962

P. A. Willis, Neurological servomechanisms (invited)

Seminar, Department of Physiology, McGill University, Montreal, Canada
January 31, 1962

J. S. Barlow, Use of correlation techniques in biological research (invited)
Seminar in Biomathematics, Department of Preventive Medicine, Harvard Medical School, Boston, Massachusetts
February 5, 1962

M. Eden, Recognition in medical diagnosis (invited)

Symposium on Redundancy Techniques for Computing Systems (co-sponsored by Information Systems Branch, Office of Naval Research, and Electronics Division, Westinghouse Electric), Washington, D.C.
February 6-7, 1962

W. S. McCulloch, The utility of anastomotic nets: Introduction (invited)

M. Blum, N. M. Onesto, and L. A. M. Verbeek, Tolerable errors of neurons for infallible nets (invited)

Joint Meeting, Baltimore Chapters, IRE Professional Group on Information Theory and Professional Group on Biomedical Electronics, Johns Hopkins University, Baltimore, Maryland
February 13, 1962

B. G. Farley, Some similarities between a neuron-like net model and electrophysiology (invited)

Biophysical Society Sixth Annual Meeting, Washington, D.C.
February 14-16, 1962

B. G. Farley, Activity in networks of neuron-like elements

L. S. Frishkopf and M. H. Goldstein, Jr., Effect of auditory stimulation on responses from single units in the eighth nerve of the bullfrog

G. L. Gerstein and R. W. Rodieck, A mathematical model for the spontaneous activity of some neural units

C. E. Molnar, A display for the study of the internal structure of evoked responses

R. W. Rodieck, N. Y-S. Kiang, and G. L. Gerstein, Examples of spontaneous activity exhibited by single units in the cochlear nucleus of the cat

W. M. Siebert, Empirical models for the dynamic behavior of the cochlear partition

L. Stark, Retinal adaptation as a controlling factor in the pupil servomechanism (invited)

Division of Applied Physics and Engineering Colloquium, Harvard University, Cambridge, Massachusetts
February 20, 1962

L. Stark, Dynamics of the human pupil system (invited)
MEETING PAPERS PRESENTED (continued)

Maryland Section Meeting, American Institute of Chemical Engineers, Baltimore, Maryland
February 20, 1962

W. S. McCulloch, Bionics (invited)

Psychology Laboratory Colloquium, National Institutes of Health, Bethesda, Maryland
February 20, 1962

J. A. Swets, Theory of observers (invited)

Invited Lecture Series, Case Institute, Cleveland, Ohio
February 22, 1962

W. A. Rosenblith, Temporal characteristics of sensory performance (invited)

Seminar, Department of Linguistics, University of Pennsylvania, Philadelphia, Pennsylvania
February 22, 1962

M. Eden, Structure of handwriting (invited)

JOURNAL ARTICLES ACCEPTED FOR PUBLICATION

(Reprints, if available, may be obtained from the Document Room, 26-327, Research Laboratory of Electronics, Massachusetts Institute of Technology, Cambridge 39, Massachusetts.)


H. J. C. Berendsen, Nuclear Magnetic Resonance Study of Collagen Hydration (J. Chem. Phys.)

A. Bers and P. Penfield, Jr., Conservation Principles for Plasmas and Relativistic Electron Beams (Trans. IRE, PGED)

J. F. Cochran, Specific Heat of Tantalum and Tin near the Superconducting Critical Temperature (Ann. Phys.)

M. Halle, Phonology in Generative Grammar (WORD)

H. A. Haus, Alternating-Current Generation with Moving Conducting Fluids (Phys. Fluids)

M. H. L. Hecker, Studies of Nasal Consonants with an Articulatory Speech Synthesizer (J. Acoust. Soc. Am.)
JOURNAL ARTICLES ACCEPTED FOR PUBLICATION (continued)


N. Y-S. Kiang, M. H. Goldstein, Jr., and W. T. Peake, Temporal Coding of Neural Responses to Acoustic Stimuli (Trans. IRE, PGIT)


L. Stark and H. T. Hermann, The Transfer Function of a Photoreceptor Organ (Kybernetik)

M. Vanwormhoudt and H. A. Haus, Thermal Noise in Linear, Lossy, Electromagnetic Media (J. Appl. Phys.)

V. H. Yngve, Language and Memory (Sci. American)

V. H. Yngve, Review of "An Introduction to Machine Translation" by Emile Delavenay (Frederick A. Praeger, New York, 1960) (Babel)

S. Yoshikawa and D. J. Rose, Anomalous Diffusion of a Plasma across a Magnetic Field (Phys. Fluids)

LETTERS TO THE EDITOR ACCEPTED FOR PUBLICATION

L. W. Dean III and N. A. Ball, A Low Resonant-Frequency Barium-Titanate Transducer (J. Acoust. Soc. Am.)

T. Kailath, A Note on Multi-Link and Multidimensional Channels (Trans. IRE, PGIT)

P. Penfield, Jr., Wave Representation of Amplifier Noise (Trans. IRE, PGCT)

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 39, Massachusetts.)

378 K. L. Jordan, Jr., Discrete Representations of Random Signals

389 T. J. Fessenden, Production of a Plasma with High-Level Pulsed Microwave Power

394 F. Bitter, Magnetic Resonance in Radiating or Absorbing Atoms
SPECIAL PUBLICATIONS


Mary A. B. Brazier, Introductory Comments, pp. 2-6

J. S. Barlow, Autocorrelation and Crosscorrelation Techniques in EEG Analysis, pp. 31-36

B. G. Farley, Recognition of Patterns in the EEG, pp. 49-55

M. H. Goldstein, Jr., Averaging Techniques Applied to Evoked Responses, pp. 59-63

G. L. Gerstein, Neuron Firing Patterns and the Slow Potentials, pp. 68-71

W. A. Clark, Digital Techniques in Neuroelectric Data Processing, pp. 75-78

W. A. Rosenblith, Commentary, pp. 88-93


W. B. Nottingham, Design Parameters' Influence on M.I.T.-Bayard-Alpert Gauge Sensitivity (Vacuum Trans., Vol. 6)