

PUBLICATIONS AND REPORTS

MEETING PAPERS PRESENTED

The New York Academy of Sciences Conference on "Photo-Neuro-Endocrine Effects in Circadian Systems, with Particular Reference to the Eye," New York

June 6-8, 1963

W. S. McCulloch, Studies in Carbohydrate Metabolism and Its Regulation in Health and Disease of the Central Nervous System (invited)

Lecture, University of Washington, Seattle, Washington

June 13, 1963

M. Eden, The Simulation of Biological Processes (invited)

Instrument Society of America Meeting, Los Angeles, California

June 14-18, 1963

M. Eden, Simulation and Human Pattern Recognition (invited)

Twenty-first Annual Conference on Electron Device Research, University of Utah, Salt Lake City, Utah

June 26-28, 1963

A. Bers and P. Mandics, D.C. and R.F. Interaction Experiments with a High-Perveance Magnetron Injection Gun.

VI^e Conférence Internationale sur les Phénomènes d'Ionisation dans les Gaz, Centre d'Orsay, Faculté des Sciences de Paris, Paris

July 8-13, 1963

H. Fields and G. Bekefi, Relaxation Rate of Electrons to Equilibrium

J. C. Ingraham and S. C. Brown, Electron Energy Decay in the Helium Afterglow

P. W. Jameson and D. R. Whitehouse, Electron Energy Streaming in a Collisionless Plasma

D. T. Llewellyn-Jones, S. C. Brown, and G. Bekefi, Far Infrared Electron Density Measurements

E. Thompson and G. Fiocco, Measurements of Large-Angle Scattering of Laser Radiation from D.C. Plasmas

J. F. Waymouth, Perturbation of a Plasma by a Probe

High Magnetic Fields Conference, Clarendon Laboratory, Oxford University

July 10-12, 1963

F. Bitter, The National Magnet Laboratory at M. I. T.

MEETING PAPERS PRESENTED (continued)

Fifth International Conference on Medical Electronics, Liège, Belgium

July 22-26, 1963

W. D. Jackson, J. R. Ellis, Jr., and G. O. Barnett, Calibration of Electromagnetic Flowmeters for Blood-flow Measurement

Society of Photographic Instrumentation Engineers, Eighth Annual Technical Symposium, Los Angeles, California

August 6, 1963

D. G. Kocher, A Multiple-Spark Light Source and Camera for Schlieren and Silhouette Photography

1963 Western Electronic Show and Convention, San Francisco, California

August 20-23, 1963

A. G. Bose, A Two-State Modulation System

XVIIth International Congress of Psychology, Washington, D.C.

August 20-26, 1963

J. A. Swets, Detection Theory: Real and Ideal Observers (invited)

Annual Meeting of the Association for Machine Translation and Computational Linguistics, Denver, Colorado

August 25-26, 1963

Elinor K. Charney, Word-Meaning and Sentence-Meaning

J. L. Darlington, Translating Ordinary Language into Symbolic Logic

E. S. Klima, Interlingual Correspondence at the Syntactic Level

V. H. Yngve, On the Order of Clauses

Fall Meeting, American Physiological Society, University of Miami, Coral Gables, Florida

August 27-30, 1963

D. C. Teas and N. Y-S. Kiang, Click-Evoked Responses from Electrodes Implanted in Cat

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.)

A. H. Barrett, Microwave Studies of the Terrestrial Atmosphere (Appl. Opt.)

C. W. Garland and J. S. Jones, Elastic Constants of Ammonium Chloride near the Lambda-Point (J. Chem. Phys.)

JOURNAL ARTICLES ACCEPTED FOR PUBLICATION (continued)

- G. G. Hammes and P. Fasella, The Interaction of Glutamic-Aspartic Transaminase with Pseudo Substrate (J. Am. Chem. Soc.)
- W. D. Jackson, Liquid-Metal Faraday-Type MHD Generators (AIEE Trans.)
- L. M. Lidsky and D. J. Rose, Design and Construction of High Magnetic Field Traveling-Wave Lines (Rev. Sci. Instr.)
- C. L. Liu, k^{th} -Order Finite Automaton (IEEE Trans. PGEC)
- Paula Menyuk, A Preliminary Evaluation of Grammatical Capacity in Children (J. Verbal Learning and Verbal Behavior)
- W. L. Rodgers, R. Melzack, and J. R. Segal, "Tail-Flip Response" in Goldfish (J. Comp. Physiol. Psychol.)
- A. L. Satterthwait, Computational Research in Arabic (MT)
- D. H. Staelin, A. H. Barrett, and B. R. Kusse, Observations of Venus, the Sun, Moon, and Tau A at 1.18-cm Wavelength (Astron. J.)

LETTERS TO THE EDITOR ACCEPTED FOR PUBLICATION

- G. Fiocco and L. D. Smullin, Detection of Scattering Layers in the Upper Atmosphere (60-140 km) by Optical Radar (Nature)
- C. L. Liu, Determination of the Final State of an Automaton Whose Initial State Is Unknown (IEEE Trans. EC)
- G. C. Maling, A Study of the Propagation of Acoustic Waves and Instabilities in Inhomogeneous Media (Thesis Abstract) (J. Acoust. Soc. Am.)
- W. B. Nottingham, Energy Levels of the Cesium Atom (Proc. IEEE)

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.)

- 413 Frederick Terry Hambrecht, A Multichannel Electroencephalographic Telemetering System
- 415 Andrzej Wojnar, An Analysis and Synthesis Procedure for Feedback FM Systems

SPECIAL PUBLICATIONS

- A. Bers and P. Chorney, Waves in Plasmas (U.S. Commission VII URSI. To be published in J. Research NBS)
- N. Chomsky, The Logical Basis of Linguistic Theory (Proc. Ninth International Congress of Linguists. Mouton and Company, The Hague, 1963)

SPECIAL PUBLICATIONS (continued)

- M. Halle, On the Rules of Russian Conjugation (in Russian) (American Contribution to the Fifth Congress of Slavists, Sofia, Bulgaria, September 17-24, 1963)
- W. B. Nottingham, Cesium Ion Production in a Strong Ion Accelerating Field (Report on Twenty-third Annual Conference on Physical Electronics, Massachusetts Institute of Technology, March 20-22, 1963, pp. 281-304)

