MEETING PAPERS PRESENTED

UNESCO Symposium on Culture and Science, Paris, France
September 6-10, 1971
   J. Y. Lettvin, Comprehensive Involvement of Man in Scientific Activity

10th International Conference on Ionization Processes in Plasmas, Oxford, England
September 13-20, 1971
   G. Bekefi, Advances in Plasma Diagnostics with Waves and Radiation

International Conference on Hollow Cathode Discharges and Their Applications, Orsay, France
September 20-23, 1971

Conference on Cosmic Plasma Physics, ESRIN, Frascati, Italy
September 20-24, 1971
   B. Coppi and A. Treves, Plasma Turbulent Heating and Thermal X-ray Sources

International Electrical and Electronics Conference and Exhibition, Toronto, Canada
October 4-6, 1971
   A. V. Oppenheim, Digital Filter Design and Applications (invited)

October 5-6, 1971
   D. H. Staelin and J. W. Waters, Microwave Temperature Sounding of the Mesosphere and Upper Stratosphere

9th Annual Allerton Conference on Circuit and System Theory, Monticello, Illinois
October 6-8, 1971
   O. J. Tretiak, Achievements in Image Processing

Two-Dimensional Digital Signal Processing Conference, University of Missouri, Columbia, Missouri
October 7, 1971
   O. J. Tretiak, The Rationale of Picture Filtering
   O. J. Tretiak, D. Ozonoff, J. Klopping, and M. Eden, Calculation of Internal Structure from Multiple Radiograms

International Conference on Solid Surfaces, Boston, Massachusetts
October 11-15, 1971
   T. L. Bradley, A. E. Dabiri, and R. E. Stickney, Measurements of the Spatial Distribution of H₂ Desorbed from Ni, Fe, Nb, Pt, and Cu
R. E. Stickney, D. V. Tendulkar, and S. Yamamoto, Scattering of Atoms and Molecules from Tungsten: Effect of Surface Composition and Crystal Orientation

82nd Meeting, Acoustical Society of America, Denver, Colorado
October 19-22, 1971
U. Ingard, Measurements in Architectural Acoustics – Historical Perspective and Physical Principles (invited)
D. H. Klatt, A Generative Theory of Segmental Duration in English

NEREM 71, Boston, Massachusetts
November 3-5, 1971
S. K. Burns and F. F. Lee, Raster-Based Displays in Patient Monitoring
P. Penfield, Jr., Computer-Aided Linear-Circuit Design

Workshop on "Interaction of Ultrasound and Biological Tissues," Seattle, Washington
November 8-10, 1971
D. E. Robinson, Ultrasonic Data Acquisition and Display for Diagnostic Visualization

Division of Plasma Physics Meeting, American Physical Society, Madison, Wisconsin
November 15-18, 1971
G. Bekefi, Nonlinear Coupling of Ion Acoustic Waves in a Highly Ionized Plasma
A. Bers and D. C. Watson, Plasma Instabilities in an Electric Field
J. A. Mangano and L. D. Smullin, Microwave Instabilities in a Beam-Plasma Discharge
M. I. Mirkin and R. J. Briggs, Energy Recovery from Energetic Plasmas by Decelerating Electrostatic Wave
R. R. Parker, R. J. Briggs, and M. D. Simonutti, Resonance Cones Near Lower Hybrid Resonance in Inhomogeneous Plasma
D. J. Sigmar, Feasibility of Stationary TOKAMAK by Neutral Injection
D. J. Sigmar, B. Coppi, and J. D. Callen, Current-Driven Drift Modes in Toroidal Geometry

Annual Meeting of the American Speech and Hearing Association, Chicago, Illinois
November 16-20, 1971
Paula Menyuk, Evaluating the Language Disorders of Children
Paula Menyuk, Implementing Changes in Language Training

General Seminar, Department of Aeronautics and Astronautics, Massachusetts Institute of Technology
November 23, 1971
U. Ingard, Acoustics Research, Then and Now (invited)
T. L. Bradley, A. E. Dabiri, and R. E. Stickney, Measurements of the Spatial Distribution of H₂ Desorbed from Ni, Fe, Nb, Pt, and Cu (J. Vac. Sci. Technol.)


T. H. Dupree, Theory of Phase Space Density Granulation in Plasma (Phys. Fluids)

G. H. Granlund, Fourier Preprocessing for Hand Print Character Recognition (IEEE Trans. (EC))


A. W. F. Huggins, Just-Noticeable Differences for Segment Duration in Natural Speech (J. Acoust. Soc. Am.)


J. A. Kong, Reflection Coefficients for Acoustic Waves Interacting with Stratified Media (J. Acoust. Soc. Am.)

J. A. Kong, Charged Particles in Biaxial Media (Radio Science)

J. E. Lisman and J. E. Brown, Two Light-Induced Processes in the Photoreceptor Cells of Limulus Ventral Eye (J. Gen. Physiol.)


P. Penfield, Jr., Description of Electrical Networks Using Wiring Operators (Proc. IEEE)

D. E. Pritchard and J. Lacy, Shape Resonances in the Forward Diffraction Peak (J. Chem. Phys.)


LETTERS TO THE EDITOR ACCEPTED FOR PUBLICATION

B. Coppi and F. Santini, Analogy between Turbulent Transfer in Velocity Space and Plasma Collisional Transport in Real Space (Phys. Rev. Letters)
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)

482 Horace P. H. Yuen, Communication Theory of Quantum Systems

483 Barry K. Levitt, Variable-Rate Optical Communication through the Turbulent Atmosphere

484 Adrianus J. M. Houtsma and Julius L. Goldstein, Perception of Musical Intervals: Evidence for the Central Origin of the Pitch of Complex Tones

SPECIAL PUBLICATIONS


