

PUBLICATIONS AND REPORTS

MEETING PAPERS PRESENTED

IEEE National Telecommunications Conference, Houston, Texas
December 4-6, 1972

K. P. Wacks, Psychophysical Considerations in the Design of an Image
Transmission System

G-AP International Symposium Fall USNC/URSI Meeting, Williamsburg, Virginia
December 11-15, 1972

J. A. Kong, L. Tsang, and G. Simmons, Lunar Subsurface Probing with a
Dipole Antenna

Commission V, URSI, Socorro, New Mexico
January 8-9, 1973

R. M. Price, Continuum Radio Structure of the Galactic Disk

139th Meeting, American Astronomical Society, Las Cruces, New Mexico
January 9-12, 1973

J. H. Spencer and B. F. Burke, Radio Observations of Nearby Spiral
Galaxies

"Frontiers in Biological Sciences," Biomedical Engineering Department, Case
Western Reserve University, Cleveland, Ohio

January 10, 1973

W. M. Siebert, What Limits Auditory Performance?

NASA Langley Research Center, NASA Langley Field, Hampton, Virginia
January 10, 1973

U. Ingard, Interaction of Sound with Fluid Flow

AIAA 11th Aerospace Sciences Meeting, Washington, D. C.
January 10-12, 1973

J. P. Sullivan, S. E. Widnall, and S. Ezekiel, A Study of Vortex Rings
Using a Laser Doppler Velocimeter

American Federation for Clinical Research, Eastern Section Annual Meeting,
Boston, Massachusetts

January 12, 1973

R. G. Mark, A Hospital-Based System for Providing Nursing Home Care

R. G. Mark, A Load Control System for Isolated Cardiac Muscle

IEEE Professional Group on Information Theory, Massachusetts Institute of
Technology, Cambridge, Massachusetts

January 16, 1973

W. M. Siebert, What Limits Auditory Performance?

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)

- B. F. Burke, K. J. Johnston, V. A. Efanov, B. J. Clark, L. R. Kogan, V. I. Kostenko, K. Y. Lo, L. I. Matveyenko, I. G. Moiseev, J. M. Moran, S. H. Knowles, D. C. Papa, G. D. Papadopoulos, A. E. E. Rogers, and P. R. Schwartz, Observations of Sources of Maser Radioemission with Angular Resolution 0"0002 (Soviet Astronom. J.) (in Russian)
- R. Domnitz, The Interaural Time JND as a Simultaneous Function of Interaural Time and Interaural Amplitude (J. Acoust. Soc. Am.)
- C. Freed and H. A. Haus, Lamb Dip in CO Lasers (J. Quant. Electronics)
- M. Halle, The Accentuation of Russian Words (Language)
- J. J. Katz, Interpretive Semantics Meets the Zombies: A Discussion of the Controversy about Deep Structure (Foundations of Language)
- D. H. Klatt, Discrimination of Fundamental Frequency Contours in Synthetic Speech: Implications for Models of Pitch Perception (J. Acoust. Soc. Am.)
- M. I. Mirkin and R. J. Briggs, Energy Recovery from Energetic Plasma Streams by Traveling Waves (Phys. Fluids)
- R. M. Price, Continuum Radio Structure of the Galactic Disk (Abstract) (Bull. Am. Astron. Soc.)
- J. M. Smith and M. W. P. Strandberg, Fluctuation Effects in Superconducting Films (J. Appl. Phys.)
- J. H. Spencer and B. F. Burke, Radio Observations of Nearby Spiral Galaxies (Abstract) (Bull. Am. Astron. Soc.)
- M. W. P. Strandberg, Properties of Spectral Line Profiles (Ann. Phys. (N. Y.))
- M. W. P. Strandberg and J. R. Shane, General Properties of Thermal Relaxation Rate Equations (Phys. Rev.)

LETTERS TO THE EDITOR ACCEPTED FOR PUBLICATION

- A. Bers, J. H. Cafarella, and B. E. Burke, Surface Mobility Measurement Using Acoustic Surface Waves (Appl. Phys. Letters)
- D. J. Muehlner and R. Weiss, Further Measurements of the Submillimeter Background at Balloon Altitude (Phys. Rev. Letters)
- J. C. Weaver, A Hydrodynamic Model for the Superfluid Helium Critical Velocity in Rough Channels (Phys. Letters A)

SPECIAL PUBLICATIONS

- J. H. Cafarella, A. Bers, and B. F. Burke, Surface Mobility on Silicon from Acoustoelectric Current Measurements (Proc. 1972 IEEE Ultrasonic Symposium, Boston, Massachusetts, October 4-7, 1972), pp. 181-185
- N. Y. S. Kiang and E. C. Moxon, Physiological Considerations in Artificial Stimulation of the Inner Ear (Transcripts, American Otology Society Annual Meeting, Palm Beach, Florida, April 23-24, 1972), pp. 72-89
- R. M. Mersereau, The Digital Reconstruction of Multidimensional Signals from Their Projections (Proc. 10th Annual Conference on Circuit and System Theory, Monticello, Illinois, October 4-6, 1972), pp. 326-334