

PUBLICATIONS AND REPORTS

MEETING PAPERS PRESENTED

American Physical Society

December 28-30, 1953, Stanford University, Stanford

S. C. Brown, Microwave studies of electron diffusion in gases (invited paper).

Colloquium

January 4, 1954, Physics Department, University of Washington, Seattle

S. C. Brown, Recent studies of plasma oscillation.

AIEE Winter Convention

January 18-22, 1954, New York

F. M. Reza, A supplement to the Brune synthesis procedure.

American Physical Society

January 28-30, 1954, Columbia University, New York

V. Jaccarino, J. G. King, H. H. Stroke, and R. A. Satten, The hyperfine structure of iodine¹²⁷. A nuclear magnetic octupole moment.

R. Weinstein, M. Deutsch, and S. C. Brown, Fine structure of positronium.

J. R. Zacharias, Precision molecular beam experiments (invited paper).

General Science Seminar

February 12, 1954, Brandeis University, Boston

W. A. Rosenblith, Electrical responses of the auditory nervous system.

Microwave Seminar

February 12, 1954, Physics Department, Columbia University, New York

V. Jaccarino, A nuclear magnetic octupole moment in iodine¹²⁷ (invited paper).

IRE-AIEE Conference on Transistor Circuits

February 18-19, 1954, Philadelphia

S. J. Mason, Some thoughts on feedback in transistor circuits.

Colloquium

February 24, 1954, Physics Department, Princeton University, Princeton

V. Jaccarino, A nuclear magnetic octupole moment in iodine¹²⁷ (invited paper).

JOURNAL ARTICLES ACCEPTED FOR PUBLICATION

E. J. Angelo, Jr., An electron-beam tube for analogue multiplication (Rev. Sci. Instr.).

R. D. Luce, A definition of stability for n-person games (Ann. Math.).

F. M. Reza, Conversion of a Brune cycle with an ideal transformer into a cycle without an ideal transformer (Trans. IRE, Professional Group on Circuit Theory).

P. L. Sagalyn, The hyperfine structure of the $3P_{3/2}$ state of Na²³ (Phys. Rev.).

LETTERS TO THE EDITOR ACCEPTED FOR PUBLICATION

F. M. Reza, Synthesis without ideal transformers (J. Appl. Phys.).

TECHNICAL REPORTS PUBLISHED

(The technical reports listed here may be obtained from the Document Office, 20B-221, Research Laboratory of Electronics, Massachusetts Institute of Technology, Cambridge 39, Massachusetts.)

- No. 233 M. V. Cerrillo and E. A. Guillemin, On basic existence theorems in network synthesis.
- No. 240 C. E. Muehe, Jr., Noise figure of traveling-wave tubes.
- No. 241 J. M. Ham, A computer for solving integral formulations of engineering problems by methods of successive approximation.
- No. 245 R. A. Paananen, A receiver design for rejecting interference.
- No. 246 M. V. Cerrillo and E. F. Bolinder, On basic existence theorems in network synthesis. IV. Transmission of impulses.
- No. 254 E. M. Gyorgy, M emission bands of the transition metals in the solid state.
- No. 257 S. J. Mason, Power gain in feedback amplifiers.
- No. 266 R. Price, Statistical theory applied to communication through multipath disturbances (Technical Report No. 34, Lincoln Laboratory, M.I.T.).
- No. 268 E. A. Guillemin, Computational techniques which simplify the correlation between steady-state and transient response of filter and other networks (also published in the Proceedings of the National Electronics Conference, Vol. 9).
- No. 271 W. P. Allis, D. J. Rose, The transition from free to ambipolar diffusion.

SPECIAL PUBLICATION

Attention is called to the announcement concerning MECHANICAL TRANSLATION on page 73. Requests for copies should be sent to Room 14N-307, Massachusetts Institute of Technology, Cambridge 39, Massachusetts.