

## PUBLICATIONS AND REPORTS

### MEETING PAPERS PRESENTED

Convention of Speech Association of America and National Society for the Study of Communication, Chicago, Dec. 28, 1954

V. H. Yngve, Machines for the translation of languages.

AIEE Technical Group on Communication (Boston section), Boston  
Jan. 4, 1955

R. M. Fano, Two bits worth of information theory.

American Physical Society Meeting, New York  
Jan. 27-29, 1955

J. M. Goldey and S. C. Brown, Carrier effective masses in germanium.

R. H. Kingston and A. L. McWhorter, Relaxation effects in field-induced surface conductance.

A. L. McWhorter, Surface traps and  $1/f$  noise in germanium.

AIEE National Convention, New York  
Jan. 31-Feb. 4, 1955

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

### JOURNAL ARTICLES ACCEPTED FOR PUBLICATION

(Reprints of these and previous articles still in print are available from the Document Room, 20-B-221, Research Laboratory of Electronics, Massachusetts Institute of Technology, Cambridge 39, Massachusetts)

- R. C. Booton, Jr., The measurement and representation of nonlinear systems (Trans. PGCT, I.R.E.)
- C. R. Hurtig, Constant-resistance agc attenuator for transistor amplifiers (Trans. PGCT, I.R.E.)
- D. Kivelson, Theory of the interaction of hindered internal rotation with over-all rotations. II. Repulsive constant (J. Chem. Phys.)
- D. Kivelson, Theory of internal over-all rotational interactions. III. Asymmetric rotors (J. Chem. Phys.)
- F. M. Reza, A supplement to the Brune synthesis (Trans. A.I.E.E.)
- D. J. Rose and S. C. Brown, The high-frequency gas discharge plasma in hydrogen (Phys. Rev.)
- W. A. Rosenblith, Some electrical responses from the auditory nervous system (Proc. Symp. on Information Networks, Polytechnic Institute of Brooklyn, April 1954)
- C. Schwartz, Theory of hyperfine structure (Phys. Rev.)
- C. M. Witcher, Teaching mathematics to the blind (The Mathematics Teacher)

LETTERS TO THE EDITOR ACCEPTED FOR PUBLICATION

E. J. Baghdady, On reciprocal inductance (Proc. I.R.E.)

TECHNICAL REPORTS PUBLISHED

(These and previously published technical reports, as well as a current list of available reports, may be obtained from the Document Room, 20-B-221, Research Laboratory of Electronics, Massachusetts Institute of Technology, Cambridge 39, Massachusetts)

248 J. Ruze, Physical limitations on antennas.

258 S. J. Mason, Criteria for docile behavior of feedback amplifiers.

