

Contributors to This Issue

SYED V. AHAMED, B.E., 1957, University of Mysore, India; M.E., 1958, Indian Institute of Science; Ph.D., 1962, University of Manchester, U.K.; Post Doctoral Research Fellow, 1963, University of Delaware; Assistant Professor, 1964, University of Colorado; Bell Telephone Laboratories, 1966—. Mr. Ahamed was working in Computer Aided Engineering Analysis and Software Design at Whippany. Presently he is investigating the applications of Algebraic Techniques for Domain Circuits.

DAN L. BISBEE, B.S., 1965, Monmouth College; Bell Telephone Laboratories, 1955—. Mr. Bisbee has worked with the design and measurement of millimeter waveguide components. At present he is engaged in the study and measurement of optical transmission losses in bulk glass and optical fiber waveguides.

PAUL J. BURKE, B.S., 1940, City College of New York; Ed. M., 1950, Harvard University; Ph.D., 1966, Columbia University; Bell Telephone Laboratories, 1953—. Mr. Burke's work is in the field of telephone traffic theory and its applications. Member, Phi Beta Kappa, Phi Delta Kappa, Sigma Xi, Operations Research Society of America, Institute of Mathematical Statistics.

NUGGEHALLY S. JAYANT, B.Sc., 1962, University of Mysore (India); B. E. (Distinction), 1965, and Ph.D., 1970, Indian Institute of Science, Bangalore; Research Associate, 1967-68, Stanford Electronics Laboratories; Bell Telephone Laboratories, 1968—. Mr. Jayant has worked on digital communication in the presence of burst-noise, and on the detection of fading signals. His current interests include source encoding and pattern discrimination. Member, IEEE.

ROBERT H. KRAMBECK, B.E., 1965, City College of New York; M.S.E.E., 1966, and Ph.D., 1969, Carnegie-Mellon University; Bell Telephone Laboratories, 1968—. Mr. Krambeck has been engaged in the analysis and development of new types of memory elements. Member, IEEE.

SING-HSIUNG LIN, B.S.E.E., 1963, National Taiwan University; M.S.E.E., 1966, and Ph.D., 1969, University of California, Berkeley;

Bell Telephone Laboratories, 1969—. Mr. Lin is working on propagation effects, such as multipath interference and rain attenuation, on radio transmission systems. Member, IEEE, Sigma Xi.

S. D. PERSONICK, B.E.E., 1967, City College of New York; S.M. in E.E., 1968, E.E., 1969, and Sc.D., 1969, Massachusetts Institute of Technology; Bell Telephone Laboratories, 1967—. Mr. Personick is engaged in studies of optical communication systems and cable transmission systems.

V. K. PRABHU, B.E. (Dist.), 1962, Indian Institute of Science, Bangalore, India; S.M., 1963, and Sc.D., 1966, Massachusetts Institute of Technology; Bell Telephone Laboratories, 1966—. Mr. Prabhu has been concerned with various theoretical problems in solid-state microwave devices, noise, and optical communication systems. Member, IEEE, Eta Kappa Nu, Sigma Xi, Tau Beta Pi, AAAS.

LAWRENCE R. RABINER, S.B. and S.M., 1964, and Ph.D. (E.E.), 1967, Massachusetts Institute of Technology; Bell Telephone Laboratories, 1962-1964, 1967—. Mr. Rabiner has worked on digital circuitry, military communications problems, and problems in binaural hearing. Since 1967, he has been engaged in research on speech communication, signal analysis, digital filtering, and techniques for waveform processing. Member, Eta Kappa Nu, Sigma Xi, Tau Beta Pi, IEEE; Fellow, Acoustical Society of America. He is chairman of the IEEE Technical Committee on Digital Signal Processing, and member of the technical committees on speech communication of both the IEEE and the Acoustical Society.

A. E. ROSENBERG, S.B. and S.M. in E.E., 1960, Massachusetts Institute of Technology; Ph.D., 1964, University of Pennsylvania; Bell Telephone Laboratories, 1964—. Mr. Rosenberg is a member of the Acoustics Research Department currently engaged in studies in speech perception and speaker verification. Member, IEEE, Acoustical Society of America.

RONALD W. SCHAFER, B.S. (E.E.), 1961, and M.S. (E.E.), 1962, University of Nebraska; Ph.D., 1968, Massachusetts Institute of Technology; Bell Telephone Laboratories, 1968—. Mr. Schafer has been engaged in research on digital waveform processing techniques and

speech communication. He is a member of the IEEE Technical Committees on Digital Signal Processing and Speech Communication. Member, Phi Eta Sigma, Eta Kappa Nu, Sigma Xi, IEEE, Acoustical Society of America.

