

Contributors to This Issue

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JOEL GOLDMAN, B.E.E., 1965, The Cooper Union; M.S., 1967, and Ph.D. (E.E.), 1970, Cornell University; Bell Laboratories, 1970—. Mr. Goldman is presently engaged in the analysis of the effects of digital and analog interference on various communications systems. He has also performed research in estimation and prediction theory. Member, Institute of Mathematical Statistics, Society for Industrial and Applied Mathematics, IEEE, Eta Kappa Nu, Tau Beta Pi.

W. M. HUBBARD, B.S., 1957, Georgia Institute of Technology; M.S., 1958, University of Illinois; Ph.D., 1963, Georgia Institute of Technology; Bell Laboratories, 1963–1972. Mr. Hubbard's work has included analyses related to the design of millimeter-wave solid-state repeaters for use in a waveguide transmission system and the construction of prototype high-speed repeaters for this type of system. He was subsequently engaged in optical transmission research with emphasis on repeater techniques. Since January 1973, Mr. Hubbard has been on a temporary assignment at AT&T Engineering, New York City. Member, Sigma Xi, Tau Beta Pi, Phi Kappa Phi, American Physical Society.

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KURT H. MUELLER, E. E.-Diploma, 1961, and Ph.D., 1967, Swiss Federal Institute of Technology; Bell Laboratories, 1969—. Mr. Mueller has worked on various problems in the fields of high-speed data communication and signal processing. He is presently on leave of absence at the Swiss Federal Institute of Technology. Member, IEEE.

ATTILIO J. RAINAL, University of Alaska; University of Dayton, 1950-52; B.S.E.Sc., 1956, Pennsylvania State University; M.S.E.E., 1959, Drexel University; D. Eng., 1963, Johns Hopkins University; Bell Laboratories, 1964—. Mr. Rainal's early work involved research on noise theory with application to detection, estimation, and radar theory. He has also been engaged in the analysis of FM communication systems. His more recent work includes studies of crosstalk on multi-layer boards, voltage breakdown of printed wiring, and electromagnetic compatibility. Member, Tau Beta Pi, Eta Kappa Nu, Sigma Tau, Pi Mu Epsilon, Sigma Xi, IEEE.

STEPHEN O. RICE, B. S. (Electrical Engineering), 1929, and D.Sc. (Hon.), 1961, Oregon State College; Bell Laboratories, 1930-1972. Mr. Rice has been concerned with theoretical problems related to electromagnetic wave propagation, signal modulation, and noise. At the time of his retirement from Bell Laboratories, he was head of the Communications Analysis Research Department. In 1965, Mr. Rice received the Mervin J. Kelly Award from the Institute of Electrical and Electronic Engineers. Fellow, IEEE.

N. L. SCHRYER, B.S., 1965, M.S., 1966, and Ph.D., 1969, University of Michigan; Bell Laboratories, 1969—. Mr. Schryer has worked on the numerical solution of parabolic and elliptic partial differential equations. He is currently studying problems of this type which arise in semiconductor device theory.