

Contributors to This Issue

Carl W. Lundgren, E.E., 1957, M.S., 1959, and Ph.D., 1961, University of Cincinnati; U.S. Army Electronics Research and Development Laboratory, 1962-1963; Bell Laboratories, 1961—. Mr. Lundgren's early work in electrodynamics and gyro mechanics led to magnetic navigation techniques. Past work includes contributions on launch timing for optimum spin-axis orientation of Telstar, system designs for the Comstar and Iranian domestic satellite systems, millimeter-wave transmission through heavy rain, improvements to Cassegrainian earth antennas to reduce echo distortion, and frequency sharing between satellite and terrestrial systems. At present, he is studying multipath microwave transmission and interference phenomena associated with high-capacity digital radio systems. Member, Phi Eta Sigma, Eta Kappa Nu, Tau Beta Pi, Omicron Delta Kappa, AAAS, IEEE, AIAA, New York Academy of Sciences.

Dan Maydan, B.Sc. (E.E.), 1957, and M.Sc. (E.E.), 1962, Israel Institute of Technology; Ph.D. (Physics), 1965, Edinburgh University; Bell Laboratories, 1967—. Mr. Maydan has worked on acousto-optical interaction for modulating laser beams. He currently supervises a group working on X-ray lithography for the fabrication of VLSI devices and dry processing techniques. Senior Member, IEEE.

J. E. Mazo, B.S. (Physics), 1958, Massachusetts Institute of Technology; M.S. (Physics), 1960, Ph.D. (Physics), 1963, Syracuse University; Research Associate, Department of Physics, University of Indiana, 1963-1964; Bell Laboratories, 1964—. At the University of Indiana, Mr. Mazo worked on studies of scattering theory. At Bell Laboratories, he has been concerned with problems in data transmission and is now working in the Mathematical Research Center. Member, American Physical Society, IEEE.

Joseph M. Moran, B.E.E., 1965, City College of New York; M.S.E.E., 1967, and Ph.D., 1968, University of Pennsylvania; Bell Laboratories, 1968—. Mr. Moran is currently engaged in research and development of microlithography, plasma processing and device processing technologies. Member, Eta Kappa Nu, Tau Beta Pi, 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, radiometry, and radar theory. He has also been engaged in the analysis of FM communication systems. His more recent work includes studies of crosstalk on multilayer boards, voltage breakdown and current-carrying capacity of printed wiring, and electromagnetic compatibility. Member, Tau Beta Pi, Eta Kappa Nu, Sigma Tau, Pi Mu Epsilon, Sigma Xi, IEEE.

William D. Rummler, B.S. in E.E., 1959, Drexel University; S.M., 1960, E.E., 1961, Sc.D., 1963, Massachusetts Institute of Technology; Bell Laboratories, 1963—. Mr. Rummler was initially concerned with radar signal design and signal processing and associated measurement and estimation problems. He has also worked on single-sideband, long-haul radio systems. More recently, he has been involved with the problems of channel and performance characterization for high-speed digital radio systems. Member, IEEE, Tau Beta Pi, Eta Kappa Nu, Sigma Xi, Phi Kappa Phi.