Contributors to This Issue

RICHARD M. DEROSIER, A.A.S.E.E., 1967, Hudson Valley Community College; Bell Telephone Laboratories, 1967—. Initially, Mr. Derosier's work concerned the fabrication and development of GaAs injection laser diodes. Currently, he is associated with the studies of mode conversion and radiation losses from various dielectric waveguides.

J. H. Fennick, B.S.E.E., 1959, M.S.E.E., 1961, University of Connecticut; Bell Telephone Laboratories, 1960—. He initially worked on interference problems with emphasis on impulse noise. Currently he is supervisor of the Data Studies Group in the Transmission Systems Division at Holmdel. Member, Tau Beta Pi, Eta Kappa Nu, Phi Sigma Phi, IEEE; associate member, Sigma Xi.

Leonard J. Forys, B.S.E.E., 1963, University of Notre Dame; M.S. and E.E., 1965, Massachusetts Institute of Technology; Ph.D., 1968, University of California at Berkeley; Acting Assistant Professor of Electrical Engineering, University of California at Berkeley, 1967–1968; Bell Telephone Laboratories, 1968—. Mr. Forys is engaged in research and consulting on communication and control theory problems. Member, IEEE.

Philip A. Gresh, B.S.E.E., 1956, Carnegie Institute of Technology; Bell Telephone Laboratories, 1956—. Mr. Gresh supervises a group responsible for the systems planning and economic evaluation of new concepts in the design, layout, and utilization of the telephone exchange outside plant. Member, Tau Beta Pi, Eta Kappa Nu, Phi Kappa Phi.

WILLIAM C.-Y. Lee, B.Sc. in Engineering, 1954, Chinese Naval Academy; M.Sc. in E.E., 1960, and Ph.D. in E.E., 1963, Ohio State University; Bell Telephone Laboratories, 1964—. He has been concerned with the study of wave propagation in anisotropic medium and antenna theory. His present work has included studies of mobile radio antennas and signal fading problems. Member, Sigma Xi, IEEE.

Carl W. Lundgren, E.E., 1957, M.S., 1959, Ph.D., 1961, University of Cincinnati; U. S. Army Electronics Research and Development Laboratory, 1962–1963; Bell Telephone Laboratories, 1961—. Early work in electrodynamics and gyro mechanics resulted in magnetic navigation and spacecraft stabilization techniques. Subsequent interests concerned launch timing for optimum spin-axis orientation and the medium-altitude satellite eclipse environment in support of the Telstar® communication satellite experiment. He is studying microwave transmission, interference, and circuit outage problems associated with communication satellite systems. Member, Phi Eta Sigma, Eta Kappa Nu, Tau Beta Pi, Omicron Delta Kappa, IEEE, New York Academy of Sciences.

DIETRICH MARCUSE, Diplom Vorpruefung, 1952, Dipl. Phys., 1954, Berlin Free University; D.E.E., 1962, Technische Hochschule, Karlsruhe, Germany; Siemens and Halske (Germany), 1954–57; Bell Telephone Laboratories, 1957—. At Siemens and Halske, Mr. Marcuse was engaged in transmission research, studying coaxial cable and circular waveguide transmission. At Bell Telephone Laboratories, he has been engaged in studies of circular electric waveguides and work on gaseous masers. He spent one year (1966–1967) on leave of absence from Bell Telephone Laboratories at the University of Utah where he wrote a book on quantum electronics. He is presently working on the transmission aspect of a light communications system. Member, IEEE, Optical Society of America.

- A. S. May, B.S.E.E., 1939, West Virginia University; Bell Telephone Laboratories, 1939–1962; American Telephone and Telegraph Company, 1962—. At Bell Telephone Laboratories Mr. May was engaged in the design of radar equipment and as a supervisor in the development of microwave radio-relay systems. He is currently engaged in microwave and guided wave planning, and in studies of frequency sharing by terrestrial radio systems and satellites.
- A. A. THIELE, B.S. (Physics), 1960, Ph.D. (physics), 1965, Massachusetts Institute of Technology; Bell Telephone Laboratories, 1965—. He was initially engaged in exploratory device development for various optical memory schemes. He is currently working on the development of the theory of circular domains. Member, Sigma Xi.

AARON D. WYNER, B.S., 1960, Queens College; B.S.E.E., 1960, M.S., 1961, and Ph.D., 1963, Columbia University; Bell Telephone Laboratories, 1963—. Mr. Wyner has been doing research in various aspects of information theory. For the year 1969–1970 he is visiting the Dept. of Applied Mathematics, Weizmann Institute of Science, Rehovot, Israel. He has also been Adjunct Associate Professor of Electrical Engineering at Columbia University and Chairman of the Metropolitan New York Chapter of the IEEE Information Theory Group. Member, IEEE, Society of Industrial and Applied Mathematics, Tau Beta Pi, Eta Kappa Nu, Sigma Xi.

Jacob Ziv, B.Sc., 1954, Engineering Diploma, 1955, M.Sc., 1957, Technion—Israel Institute of Technology, Haifa, Israel; D.Sc., 1962, Massachusetts Institute of Technology; Technion—Israel Institute of Technology, 1954–1955; Scientific Department, Israel Ministry of Defence, 1955–1959, 1962–1968; Bell Telephone Laboratories, 1968—. (On leave of absence from the Scientific Department, Israel Ministry of Defence.) Mr. Ziv has been engaged in research in information theory and statistical communication theory. Member, IEEE.