

## Contributors to This Issue

**M. Eisenberg**, B.S.(E.E.), 1964, M.S. (E.E.), 1964, Ph.D.(E.E.), 1967, Massachusetts Institute of Technology, Bell Laboratories, 1967—. Mr. Eisenberg has worked on problems in the fields of queuing theory, network management, and network design. He is presently supervisor of the Network Engineering Group. Member, Operations Research Society of America, Sigma Xi, Tau Beta Pi, Eta Kappa Nu.

**Enrique A. J. Marcatili**, Aeronautical Engineer, 1947, and E.E., 1948, University of Cordoba (Argentina); research staff, University of Cordoba, 1947-54; Bell Laboratories, 1954—. Mr. Marcatili has engaged in theory and design of filters in multimode waveguides and in waveguide systems research. As head of the transmission and circuit research department, he is concerned with optical transmission media, with circuitry for long-distance communication, and with integrated optics. Fellow IEEE; member of NAE.

**John A. Morrison**, B.Sc., 1952, King's College, University of London; Sc.M., 1954, and Ph.D., 1956, Brown University; Bell Telephone Laboratories, 1956—. Mr. Morrison has done research in various areas of applied mathematics and mathematical physics. His recent interests have included stochastic differential equations and propagation in random media, electromagnetic scattering by raindrops, and the high-frequency propagation of surface waves. He was a Visiting Professor of Mechanics at Lehigh University during the Fall semester 1968. Member, American Mathematical Society, SIAM, Sigma Xi.

**F. W. Mounts**, E.E., 1953; M.S., 1956, University of Cincinnati; Bell Telephone Laboratories, 1956—. Mr. Mounts has been concerned with research in efficient methods of encoding pictorial information for digital television systems. Member, Eta Kappa Nu; Senior Member, IEEE.

**Willis M. Muska**, A.A.S. Electronic Technology, 1967, Old Dominion Technical Institute; Bell Laboratories, 1967—. Mr. Muska has worked on hybrid integrated circuits for millimeter waveguide repeaters and

optical integrated circuits. More recently he has been involved in digital repeater techniques and systems for optical fiber transmission.

**Arun N. Netravali**, B. Tech. (Honors), 1967, Indian Institute of Technology, Bombay, India; M.S., 1969 and Ph.D. (E.E.), 1970, Rice University; Optimal Data Corporation, Huntsville, Alabama, 1970–1972; Bell Laboratories, 1972—. Mr. Netravali has worked on various aspects of signal processing. Member, Tau Beta Pi, Sigma Xi.

**Birendra Prasada**, B.S., 1953, M.S., 1955, Banaras University; Ph.D., 1960, University of London; Central Electronics Engineering Research Institute, Pilani, India, and Defence Science Laboratory, Delhi, India, 1961–1963; Massachusetts Institute of Technology, 1965–1966; Indian Institute of Technology, 1968–1972; Bell Laboratories, 1963–1965, 1973–1976. Mr. Prasada's main research and teaching interests are in the areas of visual communications, systems engineering, systems design, and human communication. He has worked as an industrial consultant in India and the United States. Member, 1963, Senior Member 1976, IEEE.

**Judith B. Seery**, B.A., 1968, College of St. Elizabeth; M.S., 1972, New York University; Bell Laboratories, 1968—. Ms. Seery does computing and analysis in the Mathematics and Statistics Research Center. She has recently participated in problems in fiber optics, minimal spanning networks, and multidimensional scaling. Member, Mathematical Association of America, Association for Women in Mathematics.

**Lynn O. Wilson**, A.B. (Physics), 1965, Oberlin College; Ph.D. (Applied Mathematics), 1970, University of Wisconsin; Bell Laboratories, 1970—. Ms. Wilson has pursued research in various areas of applied mathematics. She has worked on problems concerning *Picturephone*® demand, electromagnetic theory, dielectric waveguides, elastic surface waves, and crystalline vibrations. Member, Sigma Xi, American Physical Society, SIAM.