

## Contributors to This Issue

**Jacques A. Arnaud**, Dipl. Ing., 1953, Ecole Supérieure d'Electricité, Paris, France; Docteur Ing., 1963, Docteur Science, 1972, University of Paris; Assistant at E.S.E., 1953-1955; CSF, Centre de Recherche de Corbeville, Orsay, France, 1955-1966; Warnecke Elec. Tubes, Des Plaines, Illinois, 1966-1967; Bell Laboratories, 1967—. At CSF, Mr. Arnaud was engaged in research on high-power traveling-wave tubes and noise generators. He is presently studying the propagation of optical waves. Senior Member, IEEE; Member, Optical Society of America.

**Harry W. Astle**, A.A.S., 1966, Hartford State Technical College, Bell Laboratories, 1966—. Mr. Astle has worked with optical gas lenses and is presently engaged in the fabrication and evaluation of optical fibers.

**E. G. Bowen**, Assoc. Deg. (E.E.), 1963, Vermont Technical College, B.S. (E.E.), 1971, Newark College of Engineering, Bell Laboratories, 1963—. Mr. Bowen has worked on analog-to-digital magnetic coders, plasma display panels, and coding of video signals.

**Leonard G. Cohen**, B.E.E., 1962, City College of New York; Sc.M., 1964, and Ph.D. (Engineering), 1968, Brown University; Bell Laboratories, 1968—. At Brown University, Mr. Cohen was engaged in research on plasma dynamics. At Bell Laboratories, he has concentrated on optical fiber transmission studies. Member, IEEE, Sigma Xi, Tau Beta Pi, Eta Kappa Nu.

**Richard M. Derosier**, A.A.S.E.E., 1967, Hudson Valley Community College; Bell Laboratories, 1967—. Initially, Mr. Derosier's work concerned the fabrication and development of GaAs injection diodes. He is also associated with studies of mode conversion and radiation losses from various dielectric waveguides. He has worked with fiber joining techniques and polishing of fiber samples for interferometric work. Currently he is working on a transmission technique for the determination of fiber index profiles.

**Ivan P. Kaminow**, B.S.E.E., 1952, Union College (NY); M.S.E., 1954, University of California, Los Angeles; A.M., 1957, Ph.D., 1960, Harvard University; Bell Laboratories, 1954—. Mr. Kaminow has done research on microwave antennas, ferrites, ferroelectrics, non-

linear optics, raman scattering, electrooptic devices and optical fibers. Fellow, IEEE, APS, OSA. Author, *Introduction to Electrooptic Devices*; co-editor, *Laser Devices and Applications*.

**Barbara R. LaCava**, B.A. (Mathematics), 1965, St. Mary-of-the-Woods College; M.S. (Mathematics), 1969, Stevens Institute of Technology; Bell Laboratories, 1965—. Ms. LaCava has worked on traffic problems for ESS and electromechanical systems as well as specifying trunk engineering algorithms for BIS. She is currently engaged in traffic capacity studies for the No. 4A crossbar toll switch.

**Dietrich Marcuse**, Diplom Vorpruefung, 1952, Dipl. Phys., 1954, Berlin Free University; D.E.E., 1962, Technische Hochschule, Karlsruhe, Germany; Siemens and Halske (Germany), 1954–1957; Bell Laboratories, 1957—. At Siemens and Halske, Mr. Marcuse was engaged in transmission research and studying coaxial cable and circular waveguide transmission. At Bell 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 Laboratories at the University of Utah. He is presently working on the transmission aspect of a light communications system. Mr. Marcuse is the author of three books. Fellow, IEEE; member, Optical Society of America.

**William D. Miller**, B.S. (E.E.) and M.S. (E.E.), 1971 and 1973, Pennsylvania State University; Bell Laboratories, 1973—. Mr. Miller has worked on problems related to measuring the performance of step-by-step switches and proposals for enhancing special communications networks. He is currently engaged in planning for new network services. Member, IEEE, Eta Kappa Nu, Phi Kappa Phi.

**F. W. Mounts**, E.E., 1953, M.S., 1956, University of Cincinnati; Bell 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.

**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, 1970–1972; Bell Laboratories, 1972—. Mr. Netravali has worked on problems related to filtering, guidance, and control for the space shuttle. At Bell Laboratories, he has worked on various aspects of signal processing. Member, Tau Beta Pi, Sigma Xi.

**Herman M. Presby**, B.A., 1962, and Ph.D., 1966, Yeshiva University; Research Scientist, Columbia University, 1966-1968; Assistant Professor Physics, Belfer Graduate School of Science, Yeshiva University, 1968-1972; Bell Laboratories, 1972—. Mr. Presby is engaged in studies on the properties of optical fiber waveguides.

**Bernard Yaged, Jr.**, B.S., M.S., 1964; E.E., 1965; Massachusetts Institute of Technology; Ph.D. (OR), 1971, Brooklyn Polytechnic Institute; Bell Laboratories, 1965—. Mr. Yaged has worked on projects related to communications facilities network planning, traffic network performance measurements, and the economics of project evaluation and introduction of new technology. He is presently engaged in financial modeling and analysis projects. Associate Editor, Networks. Member, ORSA, Institute of Management Sciences, American Finance Association.

