

Contributors to This Issue

EDWIN O. ELLIOTT, A.B., 1949, M.A., 1951, Ph.D., 1959, University of California, Berkeley; Operations Evaluation Group of M.I.T., 1954–1958; Stanford Research Institute, 1958–1959; Assistant Professor of Mathematics, University of Nevada, Reno, 1959–1960; Bell Telephone Laboratories, 1960—. At Bell Laboratories Mr. Elliott has been engaged in mathematical analysis of error-control methods for digital data communication systems and in the application of measure-theoretic techniques in the study of stochastic processes. He has also worked on problems in the congestion theory of traffic. Member, American Mathematical Society, Operations Research Society of America, Pi Mu Epsilon, Sigma Xi, Phi Beta Kappa.

RICHARD E. HART, 1948–1950, Fairleigh Dickinson College; 1954–1956, Michigan State University; Bell Telephone Laboratories, 1956—. Mr. Hart has worked in the System planning area on the Morris experimental electronic telephone central office. He is currently concerned with the system planning and maintenance requirements for No. 1 ESS.

JOSEPH B. KRUSKAL, Ph.B., 1948, B.S., 1948, M.S., 1949, University of Chicago; Ph.D., 1954, Princeton University; Logistics Research Project, George Washington University, 1950–1953; Analytical Research Group, Princeton University, 1954–1956; Mathematics Department, University of Wisconsin, 1956–1958; Mathematics Department, University of Michigan, 1958–1959; Bell Telephone Laboratories, 1959—. Mr. Kruskal has done research in several areas of mathematics, including combinatorics, statistics, and computer applications. Currently he is working primarily in statistics, both theoretical and applied. Member, American Mathematical Society, Mathematical Association of America, Society for Industrial and Applied Mathematics, Psychometric Society, Sigma Xi, Pi Mu Epsilon.

STEWART K. KURTZ, B.S., 1956, M.S., 1957, Ph.D., 1960, Ohio State University; Bell Telephone Laboratories, 1960—. During the first two years at the Laboratories, Mr. Kurtz worked in the microwave maser

group studying paramagnetic resonance phenomena. He is presently concerned with light modulation techniques and electro-optic materials research. Member, American Physical Society, Sigma Xi, Phi Beta Kappa.

HENRY J. LANDAU, A.B., 1953, A.M., 1955, Ph.D., 1957, Harvard University; Bell Telephone Laboratories, 1957-1959; Institute for Advanced Study 1959-1960; Bell Telephone Laboratories, 1960—. Mr. Landau has been engaged in mathematical research in function theory and harmonic analysis. Member, American Mathematical Society, Phi Beta Kappa, Sigma Xi.

DIETRICH MARCUSE, Diplom Vorpruefung, 1952, and 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 is presently working on the transmission aspect of a light communications system. Member, IEEE.

J. R. PIERCE, B.S., 1933, M.S., 1934, Ph.D., 1936, California Institute of Technology; Bell Telephone Laboratories 1936—. His earlier work included microwave tubes and communication, including satellite communication. Dr. Pierce is now Executive Director, Research-Communications Sciences Division, with responsibility in such fields of research as radio, electronics, acoustics and vision, mathematics and psychology. He has published books on electron beams, traveling-wave tubes, speech and hearing, information theory and quantum electronics. Member, National Academy of Sciences, National Academy of Engineering, Air Force Association; Fellow, American Academy of Arts and Sciences, Institute of Electrical and Electronics Engineers, American Physical Society, Acoustical Society of America.

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 Institute of Technology; Dr. ENG., 1963, Johns Hopkins University; Bell Telephone Laboratories, 1964—. Mr. Rainal is engaged in research on noise theory with application to radar theory. Member, Tau Beta Pi, Eta Kappa Nu, Sigma Tau, Pi Mu Epsilon, Sigma Xi, IEEE.

DAVID SLEPIAN, 1941-43, University of Michigan; M. A., 1947, Ph.D., 1949, Harvard University; Bell Telephone Laboratories, 1950—. He has been engaged in mathematical research in communication theory, switching theory, and theory of noise, as well as various aspects of applied mathematics. Mr. Slepian has been mathematical consultant on a number of Bell Laboratories projects. During the academic year 1958-59, he was Visiting Mackay Professor of Electrical Engineering at the University of California at Berkeley. Member, AAAS, American Math. Society, Institute of Math. Statistics, IEEE, SIAM, URSI Commission 6.

