

Contributors to This Issue

RICHARD R. ANDERSON, B.S.M.E., 1949, Northwestern University; M.S.E.E., 1960, Stevens Institute of Technology; Bell Telephone Laboratories, 1949—. Mr. Anderson first engaged in research on electronic switching systems for telephone central offices. In 1956 he joined the data transmission exploratory development department and made several prototype magnetic-tape transports for storing digital data. He has conducted theoretical studies of data transmission systems by computer simulation. Member, AAAS, Sigma Xi and Tau Beta Pi.

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RONALD L. GRAHAM, B.S., 1958, University of Alaska; M.A., Ph.D., 1962, University of California (Berkeley); Bell Telephone Laboratories, 1962—. Mr. Graham has been engaged in research in a variety of combinatorial problems arising in coding theory, crystallography, multiprocessing, and fluctuation theory. Member, American Mathematical Society, Mathematical Association of America, Sigma Xi.

T. G. GRAU, B.A., 1960, Ohio Wesleyan University; M.S., 1962, Ohio State University; Bell Telephone Laboratories, 1960—. He is associated with the wire spring relay group of the Switching Apparatus Department at the Columbus Laboratory. Mr. Grau is currently engaged in the study of the magnetic characteristics of wire spring relays.

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transfer of that organization to BTL he became associated with development of radio telephone and telegraph systems for point-to-point, ship-to-shore, and ground-to-air applications, and with the development of radio altimeters. He was associated with the development of Army and Navy gun fire control radars, the NIKE guided missile system, Distant Early Warning Line, aircraft bombing and navigation systems, underwater sound detection systems, command guidance system for the TITAN ICBM, and data processing for NIKE ZEUS. Since 1961 he has been Executive Director, Electronic Switching Division and has responsibility for development work on electronic central offices, electronic PBX and military electronic switching systems. Fellow IEEE, Tau Beta Pi, Eta Kappa Nu, Sigma Xi (associate), American Ordnance Association, Armed Forces Communications Electronics Association, Association of the U. S. Army.

D. C. HOGG, B.Sc., 1949, University of Western Ontario; M.Sc., 1950, and Ph.D., McGill University; Bell Telephone Laboratories, 1953—. His work has included studies of artificial dielectrics for microwaves, diffraction of microwaves, and over-the-horizon and millimeter wave propagation. He has been concerned with evaluation of sky noise, analysis of performance characteristics of microwave antennas, and propagation of optical waves. Fellow, IEEE; member, Commission 2, U.R.S.I., Sigma Xi, and AAAS.

J. SALZ, B.S.E.E., 1955, M.S.E., 1956, Ph.D., 1961, University of Florida; The Martin Company, 1958–1960; Bell Telephone Laboratories, 1961—. He first worked on the remote line concentrators for the electronic switching system. He has since engaged in theoretical studies of data transmission systems. Member, IEEE; associate member, Sigma Xi.

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