Contributors to this Issue

M. M. Atalla, B.S., Cairo University, 1945; M.S., Purdue University, 1947; Ph.D., Purdue University, 1949; Studies at Purdue undertaken as the result of a scholarship from Cairo University for four years of graduate work. Bell Telephone Laboratories, 1950–. For the past three years he has been a member of the Switching Apparatus Development Department, in which he is supervising a group doing fundamental research work on contact physics and engineering. Current projects include fundamental studies of gas discharge phenomena between contacts, their mechanisms, and their physical effects on contact behavior; also fundamental studies of contact opens and resistance. In 1950, an article by him was awarded first prize in the junior member category of the A.S.M.E. He is a member of Sigma Xi, Sigma Pi Sigma, Pi Tau Sigma, the American Physical Society, and an associate member of the A.S.M.E.

James M. Early, B.S., cum laude, New York State College of Forestry, 1943; M.S. and Ph.D. Ohio State University, 1948 and 1951. Bell Telephone Laboratories 1951–. After teaching Electrical Engineering at Ohio State University for five years while studying for his Master's and Ph.D. degrees, Dr. Early joined an electronic apparatus development group, participating in the development of the junction transistor. At present he is doing general theoretical work as well as development work on high frequency junction transistors. Member of the I.R.E. and Eta Kappa Nu. Associate of Sigma Xi.

Walter T. Eppler, B.S., in E.E., Tufts College, 1927; Western Electric Company, purchase of special machinery and development of coil manufacture, 1927–1932; Crystal Golf Ball Company, Superintendent of Manufacture, 1933–1936; New Haven Clock Company, 1936–1937; Western Electric Company, 1937–. In 1941, he engineered a conveyorized dispatch control system for key assembly at the Kearny plant. For the past six years, he has been engaged in cable sheath engineering on Alpeth and Stalpeth cable. Member of New Jersey Society of Professional Engineers.

STEWART E. MILLER, University of Wisconsin, 1936–39; B.S. and M.S., Massachusetts Institute of Technology, 1941. Bell Telephone Laboratories, 1941–. Except for World War II work on airborne radar systems, Mr. Miller's first eight years at the Laboratories were concerned with studies on coaxial carrier transmissions systems. A member of the radio research group, he is currently in charge of research on guided systems and associated millimeter and microwave techniques at Holmdel. Member of the I.R.E., Eta Kappa Nu, Tau Beta Pi, and Sigma Xi.

HARRY SUHL, B.Sc., University of Wales, 1943; Ph.D., Oriel College, University of Oxford, 1948. Admiralty Signal Establishment, 1943–46; Bell Telephone Laboratories, 1948–. Dr. Suhl conducted research on the properties of germanium until 1950 when he became concerned with electron dynamics and solid state physics research. His current work is in the applied physics of solids. Member of the American Institute of Physics and Fellow of the American Physical Society.

ERLING D. SUNDE, E.E., Technische Hochschule, Darmstadt, Germany, 1926. Brooklyn Edison Company, 1927; American Telephone and Telegraph Company, 1927–1934; Bell Telephone Laboratories, 1934–. Mr. Sunde's work has been centered on theoretical and experimental studies of inductive interference from railway and power systems, lightning protection of the telephone plant, and fundamental transmission studies in connection with the use of pulse modulation systems. Author of *Earth Conduction Effects in Transmission Systems*, a Bell Laboratories Series Book. Member of the A.I.E.E., the American Mathematical Society, and the American Association for the Advancement of Science.

LAURENCE R. WALKER, B.Sc. and Ph.D., McGill University, 1935 and 1939; University of California, 1939–41. Radiation Laboratory, Massachusetts Institute of Technology, 1941–1945; Bell Telephone Laboratories, 1945–. Dr. Walker has been primarily engaged in research on microwave oscillators and amplifiers. At present he is a member of the physical research group concerned with the applied physics of solids. Fellow of the American Physical Society.