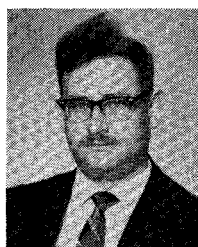


## Contributors



**Dan Censor** was born in Tel Aviv, Israel, on February 21, 1936. He received the B.Sc. and M.Sc. degrees in electrical engineering in 1962 and 1963, and the D.Sc. degree in technology in 1967, from the Technion—Israel Institute of Technology, Haifa, Israel.

Before his studies at the Technion he served in the Israeli Signal Corps at the Air Force Technical School as Instructor of Electronics; he also compiled training manuals. While preparing the M.Sc. and D.Sc. theses he worked as Assistant and later as Instructor at the Faculty of Electrical Engineering, Technion. His D.Sc. dissertation deals with relativistic scattering of electromagnetic waves in velocity dependent systems. He was Assistant Professor of Electrical Engineering in the Department of Information Engineering, University of Illinois, Chicago, from 1967 to 1969. Now he is a Senior Lecturer at the Department of Environmental Sciences, Tel Aviv University, Tel Aviv, Israel.



**Milton A. Gerdine** was born in West Point, Miss., on February 4, 1940. He received the B.S., M.S., and Ph.D. degrees in electrical engineering from the University of Colorado, Boulder, in 1961, 1962, and 1965, respectively.

Since 1965, he has been a member of the technical staff at Bell Telephone Laboratories, Holmdel, N. J. As a member of the Microwave and Millimeter Wave Design Department, he has been concerned with microwave radio and waveguide transmission systems.

Dr. Gerdine is a member of AAAS, Eta Kappa Nu, Tau Beta Pi, and Sigma Tau.



**Cyril S. Gledhill** was born in Huddersfield, Yorkshire, England, on September 28, 1925. He received the B.Sc. Tech. and Ph.D.



degrees, from Manchester University, Manchester, England, in 1952 and 1966, respectively.

From 1942 to 1944 he was an Apprentice and later Junior Engineer in the British Broadcasting Corporation. From 1944 to 1948 he served in the British Army (Infantry), and was discharged with the rank of Captain. For the last two years of this service he acted as Personnel Selection Officer attached to technical arms. Following graduation in 1952 he was with Marconi's Wireless Telegraph Co. Ltd., until 1958, engaged on the design of high-power aerial and filter systems. In 1958 he returned to Manchester University first as a Lecturer and later as Senior Lecturer in Electrical Communications. His current research interests are scattering matrix theory and transmission line filter systems.

Dr. Gledhill is a Chartered Engineer, and a member of the Institution of Electrical Engineers.



**Ali M. H. Issa** was born in Baghdad, Iraq, on March 21, 1943. He attended the Baghdad College, Baghdad, from 1953 to 1958. He received the B.Sc. degree from the Cairo University, Cairo, U.A.R. in 1964 and the M.Sc. and Ph.D. de-

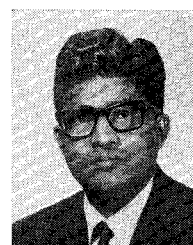
grees from the University of Manchester, Manchester, England, in 1966 and 1968, respectively, all in electrical engineering.

From 1964 to 1965, he was with the Mathematics Department, Faculty of Science Cairo University, and was also associated with the Operational Research Centre, Cairo. From October to December 1968, he was attached to the Engineering Department of the British Broadcasting Corporation, London. His research activities are in the areas of lumped parameter networks and distributed parameter circuits.

Dr. Issa is an associate member of the Institution of Electrical Engineers.



**Clark N. Kurtz**, for a photograph and biography, please see page 57 of the January, 1969, issue of this TRANSACTIONS.



**Niladri R. Mantena** was born in Bhimavaram, India, on May 8, 1939. He received the B.Sc. degree from Andhra University in 1957, D.M.I.T. from the Madras Institute of Technology in 1960, the M. Tech. degree from the Indian Institute of Technology, Kharagpur, in 1961, and the Ph.D. degree in electrical engineering from the University of California, Berkeley, in 1966.

From 1961 to 1965 he was a Research Assistant at the University of California working on electron-beam devices and noise reduction in crossed-field microwave amplifiers. He joined the Solid State Laboratory of the Hewlett-Packard Company Palo Alto, Calif. in 1966 and has been concerned with bulk gallium arsenide microwave oscillators, zinc-doped silicon photoconductors, MIS FETs and excess noise in solid state devices. He is at present working on a high-gain low-noise bipolar transistor operating at very low currents, and on a high-power microwave transistor.



**Gerald F. Ross** (S'51-A'53-M'57-SM'60) was born in New York, N. Y., on December 14, 1930. He received the B.E.E. degree from the College of the City of New York, N. Y., in 1952, and the M.E.E. and Ph.D. degrees in electrical engineering from the Polytechnic Institute of Brooklyn, Brooklyn, N. Y., in 1955 and 1963, respectively.

In 1952 he was employed as a Research

Assistant at the University of Michigan Laboratories, Ann Arbor, Mich., where he developed microwave receivers. In 1953 he served as an Electronics Officer in the U. S. Air Force at the Holloman Air Development Center, Alamogordo, N. M. He joined the W. L. Maxson Corporation, New York, N. Y., in 1954 where he designed and developed electronic counter-measure equipment. In 1958 he joined the Sperry Gyroscope Company, Great Neck, N. Y., where he was engaged in the synthesis, analysis, and development of phased array radar systems. In July 1965, he was transferred to the Sperry Rand Research Center, Sudbury, Mass. He is presently Head of the Microwave and Antenna Research Department where he is engaged in the study of picosecond pulse technology for application in high resolution radar and gigabit computing systems.

Dr. Ross is a member of Tau Beta Pi, Eta Kappa Nu, and Sigma Xi.

**William Streifer** (S'56-M'58), for a photograph and biography, please see page 58 of the January, 1969, issue of this TRANSACTIONS.



**M. Lattimer Wright** (S'56-M'58) was born in Chattanooga, Tenn., on December 25, 1935. He received the B.S. degree in electrical engineering from Massachusetts Institute of Technology, Cambridge, in 1957, and the M.S. degree in electrophysics from the Polytechnic Institute of Brooklyn, Brooklyn, N. Y. in 1964.

In 1957 he joined Airborne Instruments Laboratory, Melville, N. Y., where he

worked on the development of specialized receiver components, parametric amplifiers, sub-millimeter wave components, electronically-tunable YIG microwave filters, and frequency-selective limiters. In 1965 he joined Watkins-Johnson in Palo Alto, Calif., where he was involved in the system design of advanced all-digital microwave receivers, signal generators, and spectrum analyzers. In 1966 he joined Hewlett-Packard Laboratories, Palo Alto, Calif. where he has done research on bulk gallium arsenide microwave oscillators, and hot-carrier thermoelectric detectors. In 1967 he joined the Stanford Electronics Laboratories, Stanford, Calif. where he has been involved in the application of solid-state microwave devices to ECM systems. His work now includes the study and development of new solid-state microwave noise sources and a high-grain-bandwidth electron-beam p-n junction device.

Mr. Wright is a member of Sigma Xi.