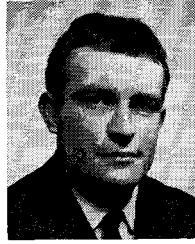


## Contributors

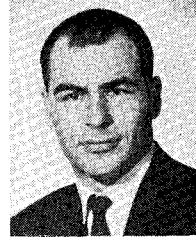


**Ezekiel Bahar** (S'63–M'64) was born in Bombay, India, on May 23, 1933. He received the B.Sc. and M.Sc. degrees in electrical engineering in 1958 and 1960, respectively, from the Technion—Israel Institute of Technology, Haifa, Israel. He received the Ph.D. degree from the University of Colorado, Boulder, in 1964.

He was a Research Assistant and an Instructor at the Technion from 1958 to 1962. In 1962, he joined the faculty of the University of Colorado, where he worked as a Research Associate. His field of research was the investigation of propagation in terrestrial waveguides with the aid of microwave models. He was an Assistant Professor at the University of Colorado between 1964 and 1967, and is presently an Associate Professor at the University of Nebraska, Lincoln.



in electrical engineering from the University of Leeds, England, in 1964 and 1966, respectively. From 1964 to 1966 he was a Research Assistant in the Department of Electrical and Electronic Engineering, University of Leeds, where he worked in the areas of micro-electronic and microwave network theory. In the academic year 1966 to 1967, he was a Research Fellow in the same department. In the fall of 1967 he joined Microwave Development Laboratories, Inc., Natick, Mass. as a Senior Research Engineer. Since that time he has been engaged in a program to design new classes of microwave filters with particular reference to linear phase filters.



**P. I. Somlo** was born in Budapest, Hungary, on May 15, 1933. He graduated from the University of Technology of Budapest in 1956.

He joined the Fine Mechanics Company, Budapest, where he was engaged in the development and design of high-frequency laboratory equipment. In 1957 he joined the Standard Telephones and Cables Company in London, working with microwave repeater stations. After arriving in Australia in 1957 he joined the Standard Telephones and Cables Company, Liverpool, N.S.W., where he was engaged in developing pulse-technique circuitry. In late 1957 he joined the National Standards Laboratory of the Commonwealth Scientific and Industrial Research Organization, where he is now working on VHF–UHF impedance standards and the development of associated measuring techniques.

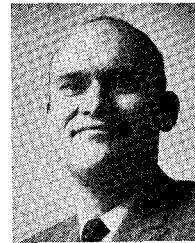
Mr. Somlo is an associate member of the Institution of Radio and Electronic Engineers, Australia.



**David L. Hollway** (SM'62) was born in Ballarat, Victoria, Australia, on December 5, 1915. He received the B.E.E. and M.Eng.Sc. degrees from Melbourne University, Melbourne, and the D.Sc.Eng. degree from Sydney University, Sydney, in 1937, 1939, and 1954, respectively.

From 1940 to 1946, he served in the Valve Division of Standard Telephones and Cables Ltd., Sydney, handling engineering problems in the production of transmitting, receiving, and radar tubes. Since joining the Commonwealth Scientific and Industrial Research Organization in 1946, he has developed theoretical and analog methods of determining electron motion in the presence of space charge and magnetic fields, electron beam tubes, and measurement techniques at UHF and microwave frequencies.

Dr. Hollway is a senior member of the Institution of Radio and Electronic Engineers, Australia.



**P. Silvester** (S'60–M'64) was born on January 25, 1935. He received the B.S. degree in electrical engineering from the Carnegie Institute of Technology, Pittsburgh, Pa., in 1956. He received the M.A.Sc. degree from

the University of Toronto, Toronto, Ont., Canada, in 1958, and the Ph.D. degree in electrical engineering from McGill University, Montreal, P.Q., in 1964. The dissertation dealt with existence theorems in nonlinear electric machine theory.

During 1967 to 1968, he spent a year at the Imperial College of Science and Technology, London, doing research work in numerical analysis of transmission-line conductors and waveguides. At present he is Associate Professor of Electrical Engineering at McGill University. The author of a textbook on electromagnetic fields, he is currently teaching courses and conducting research in electromagnetic theory and numerical analysis. His current research interests center on the development of efficient computational algorithms for solution of electromagnetic field problems by numerical methods.

Dr. Silvester is a member of ASEE, Sigma Xi, and the Tensor Society of Great Britain.

**John David Rhodes** (M'67) was born in Doncaster, Yorkshire, England, on October 9, 1943. He received the B.Sc. and Ph.D. degrees



**C. P. Tresselt** (S'56–M'60) was born in Detroit, Mich., on August 25, 1936. He received B.S.E. degrees in electrical engineering and engineering mathematics, in 1958, and the M.S.E. (E.E.) degree in 1959, all from the University of

Michigan, Ann Arbor.

Since 1959 he has been associated with Bendix Research Laboratories, Southfield, Mich., where he has been engaged in analysis of radar and missile systems, and in the development of microwave components. He has most recently been concerned with design and evaluation of various antennas and antenna feed networks for ARM applications.

Mr. Tresselt is a member of Eta Kappa Nu and Phi Kappa Phi, and a Registered Professional Engineer in the state of Michigan.