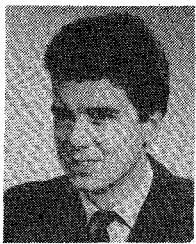


Contributors



James E. Aitken was born in Rutherglen, Scotland, on March 8, 1943. An undergraduate at Paisley College of Technology, he later proceeded to Cambridge University where he received the Ph.D. degree in 1970 for work on power rectifiers for HVDC transmission systems.

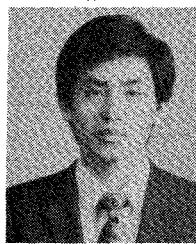
Employed now by the U.K. Ministry of Defence (Army Dept.) he is a Principal Lecturer at the Royal Military College of Science, Shrivenham, where he actively pursues

his current interest in microwave measurements and microwave integrated circuits.

Engineering at High Wycombe College of Technology, High Wycombe, England. In 1969 he joined the staff of the Royal Military College of Science, Shrivenham, England, as a Senior Lecturer in the Department of Electrical and Electronic Engineering. He has been engaged in microwave research with particular reference to microstrip investigations, and is currently writing a thesis concerning dispersion and end effects.

Mr. Edwards is a Member of the Institution of Electrical Engineers, London.

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Kiyomichi Araki (M'74) was born in Nagasaki, Japan, on January 7, 1949. He received the B.S. degree in electrical engineering from Saitama University, Urawa, Japan, in 1971, and the M.S. degree in electronic engineering from the Tokyo Institute of Technology, Tokyo, Japan, in 1973.

He was employed briefly at the Tokyo Institute of Technology as a Research Assistant. He is currently a Doctoral Student at the Tokyo Institute of Technology. His research

has been concerned with microwave circuit elements.

Mr. Araki is a member of the Institute of Electronics and Communication Engineers of Japan.

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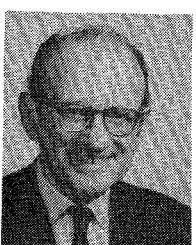
Tetsu Koyama (S'74-M'75) was born in Tokyo, Japan, on December 7, 1949. He received the B.S. and the M.S. degrees in electronics engineering from the Tokyo Institute of Technology, Tokyo, Japan, in 1973 and 1975, respectively.

His research was concerned with non-reciprocal microwave circuits, especially edge-guided-mode devices. Since 1975 he has been with Nippon Electric Company Ltd., and is now engaged in the development and design

of data communication systems.

Mr. Koyama is a member of the Institute of Electronics and Communication Engineers of Japan.

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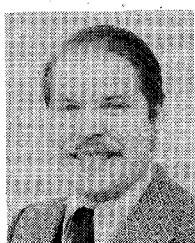


Morris E. Brodwin (A'49-M'55-SM'68) was born in New York, NY, on July 14, 1924. He received the M.S. and Dr.Sc. degrees from Johns Hopkins University, Baltimore, MD, in 1951 and 1957, respectively.

While at the University he pursued studies in ferrites and was a Research Scientist in the Radiation Laboratory. In 1958 he became a member of the faculty of Northwestern University where he is now Professor of Microwave Physics in the Department of Electrical

Engineering. His current research areas include the microwave diagnostics of plasmas and semiconductors, and the biological effects of nonionizing radiation.

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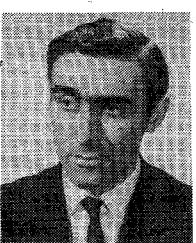


John E. Matz (S'70-M'75) was born in Evanston, IL, on September 19, 1949. He received the B.S. and M.S. degrees in electrical engineering from Northwestern University, Evanston, IL, in 1971 and 1973.

From 1971 to 1974 he was a Special Tutor for the Technological Institute at Northwestern and headed the tutoring program from 1972 to 1974. In 1974 and 1975 he was employed as a Teaching Assistant in the Department of Electrical Engineering at Northwestern. In 1975 he joined Anixter-Mark of Skokie, IL, where he is Senior Group Leader, Microwave Antenna Engineering. He is also pursuing the Ph.D. degree at Northwestern University.

Mr. Matz is a member of Eta Kappa Nu, Tau Beta Pi, and Sigma Xi.

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Terence C. Edwards was born at Caterham, England, on April 28, 1940. He received the B.Sc. degree (CNA) from the Polytechnic of the South Bank, London, in 1963.

From 1963 to 1965 he was concerned with thick- and thin-film microcircuit studies with Morganite Research and Development Ltd. During 1966 and 1967 he was responsible for microminiaturization in airborne electronic systems, with Ultra Electronics Ltd., and from 1967 to 1969 he was a Lecturer in Electrical

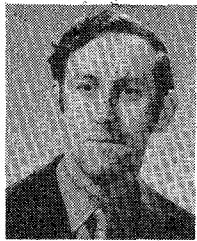


Yoshiyuki Naito (M'70-SM'74) was born in Oita, Japan, on November 22, 1936. He received the B.S. degree in electrical engineering and the D.Eng. degree, both from the Tokyo Institute of Technology, Tokyo, Japan, in 1959 and 1964, respectively.

Since 1964 he has been with the Tokyo Institute of Technology. From September 1965 to October 1966 he was a Postdoctoral Fellow at the Polytechnic Institute of Brooklyn, Brooklyn, NY. Currently, he is an Associate

Professor with the Faculty of Engineering. His research has chiefly been concerned with microwave circuit elements, and properties and applications of magnetic material and antennas.

Dr. Naito received an Inada Award in 1961 and a Treatise Award in 1966 from the Institute of Electronics and Communication Engineers of Japan. He is a member of the Institute of Electronics and Communication Engineers of Japan and the Japan Society of Applied Physics.



Roger P. Owens was born near Cardiff, South Wales, on March 14, 1941. He received the degree of B.Sc. in physics from the University of Bristol, England, in 1962, and the M.Sc. degree in microwave physics from the University of London in 1968. From 1962 to 1967 he worked on aerial systems and microwave components for EMI Electronics Ltd., Feltham, England. In April 1967 he moved to the Royal Military College of Science, Shrivenham, England, as a Research Assistant in the Electronics Branch, studying Gunn oscillators and

their equivalent circuits. In 1972 he was appointed Senior Research Fellow at RMCS, and has since been concerned with the design of microwave integrated circuits.

Mr. Owens is a member of the Institution of Electrical Engineers, London.

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Allen Taflove (M'75) was born in Chicago, IL, on June 14, 1949. He received the B.S., M.S., and Ph.D. degrees in electrical engineering from Northwestern University, Evanston, IL, in 1971, 1972, and 1975, respectively.

Since September 1975 he has been with the Electromagnetics Section, Electronics Division, IIT Research Institute, Chicago, IL, where he is currently an Associate Engineer. His current activities involve the analysis of the biological and environmental effects of electromagnetic fields.

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