Contributors

Mohamad Deeb Abouzahra (M'79) was born in Beirut, Lebanon, on June 15, 1953. He received the B.Sc. degree in electronics and communications from the Department of Electrical Engineering, Cairo University, Egypt, in 1976, and the M.Sc. degree in electrical engineering from the University of Colorado, Boulder, in 1978.

From 1976–1978 he was with the Ministry of Education in Kuwait. At present he is a Research Assistant at the University of Colorado. His current field of interest is the dielectric image line.

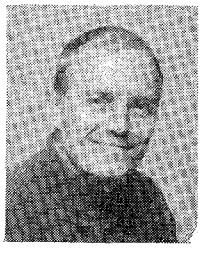
Fritz Arndt was born in Konstanz, Germany, on April 30, 1938. He received the Dipl.-Ing., the Dr.-Ing., and the Habilitation degrees from the Technical University of Darmstadt, Germany.

From 1963 to 1972 he worked on directional coupler and microstrip techniques at the Technical University of Darmstadt. Since 1972 he has been a Professor of microwaves at the University of Bremen, Germany. His research activities are at present in the area of the solution of field problems of waveguide and microstrip structures, of antenna design, and of microwave holography.

Dr. Arndt is member of the Verein Deutscher Elektroingenieure (VDE) and of the Nachrichtentechnischen Gesellschaft (NTG). In 1970 he received the NTG award.

Elio Bava, for photograph and biography please see page 209 of the February 1979 issue of this TRANSACTIONS.

Gian Paolo Bava, for photograph and biography please see page 209 of the February 1979 issue of this TRANSACTIONS.



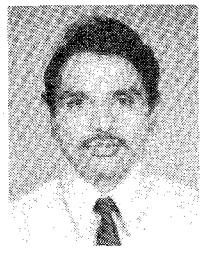
Arne Brejning Dalby was born in Copenhagen, Denmark, on August 23, 1940. He received the "Akademiingeniør" degree in electrical engineering from the Engineering Academy of Denmark, in 1963.

Since 1965 he has been teaching Electronics at the Engineering Academy of Denmark, where he is now Associate Professor at the Department of Electrical Engineering and teaches courses on communication systems and microwave circuits. His research activities have been mainly in the field of microstrip circuits.

B. N. Das received the M.Sc. (Tech.) degree from the Institute of Radio Physics and Electronics, University of Calcutta, Calcutta, India, in 1956, and the Ph.D. degree from the Indian Institute of Technology (I.I.T.), Kharagpur, India, in 1967.

He joined the Department of Electronics and Electrical Communication Engineering, I.I.T., Kharagpur, in 1958. At present he is a Professor in the same department.

Dr. Das is a member of the Institute of Electrical Engineers, England.



Manohar D. Deshpande (S'75–M'77) was born in Lohgam, a village in Maharastra, India, in 1948. He received the B.E. degree in electrical engineering from Nagpur University, India, in 1970, and the M. Tech. degree from Indian Institute of Technology (I.I.T.), Kharagpur India, in 1972.

In 1973 he joined the Department of Electronics and Electrical Communication Engineering, I.I.T., Kharagpur where he is working towards the Ph.D. degree.

Carl H. Durney (S'60–M'64) was born in Blackfoot, ID, on April 22, 1931. He received the B.S. degree from Utah State University, Logan, in 1958, and the M.S. and Ph.D. degrees from the University of Utah, Salt Lake City, in 1961 and 1964, respectively, all in electrical engineering.

From 1958 he was employed as an Associate Research Engineer with the Boeing Airplane Company, Seattle, WA, where he studied the use of delay lines in control systems. He has been with the University of Utah since 1963, when he was appointed to be Assistant Research Professor in Electrical Engineering. From 1965 to 1966 he was employed at the Bell Telephone Laboratories, Holmdel, NJ, while on leave from the University of Utah. During this time he worked in the area of microwave avalanche diode oscillators. Again, in 1971, he was engaged in study and research involving microwave biological effects at the University of Washington, Seattle, while on leave from the University of Utah. He is presently Professor and Chairman of Electrical Engineering at the University of Utah, where he is engaged in teaching and research in electromagnetics, engineering pedagogy, and microwave biological effects.

Dr. Durney is a member of Sigma Tau, Phi Kappa Phi, Sigma Pi Sigma, Eta Kappa Nu, and the American Society for Engineering Education.

Aldo Godone, for photograph and biography please see page 210 of the February 1979 issue of this TRANSACTIONS.

Magdy F. Iskander was born in Alexandria, Egypt, on August 6, 1946. He received the B.Sc. degree with first class honors in electrical engineering, University of Alexandria, Egypt, in 1969. He entered the Faculty of Graduate Studies at the University of Manitoba, Winnipeg, Man., Canada, in September 1971, and received the M.Sc. and Ph.D. degrees both in microwaves, in September 1972 and February 1976, respectively.

From 1969 to 1971, he was employed as a Teaching Assistant in the Department of Electrical Engineering at the University of Alexandria, and at that time he worked on the design and development of ion sources. In 1976, Dr. Iskander was awarded a National Research Council of Canada Post-Doctoral Fellowship at the University of Manitoba. Since March 1977, he has been with the Department of Electrical Engineering and the Department of Bioengineering at the University of Utah, Salt Lake City, where he is currently an Assistant Professor of Electrical Engineering. His present fields of interest include the scattering and diffraction of electromagnetic waves, antenna design, and the biological effects, as well as the medical applications of electromagnetic waves.

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C. C. Johnson, photograph and biography not available at the time of publication.

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Edward F. Kuester (S'73–M'76), for a photograph and biography please see page 712 of the July 1979 issue of this TRANSACTIONS.

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Leonard Lewin (A'69–SM'75), for a photograph and biography please see page 623 of the June 1979 issue of the TRANSACTIONS.

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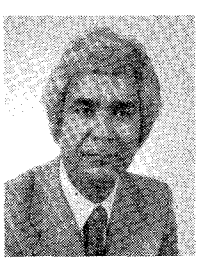

Habib Massoudi (S'74–M'76) was born in Nishabour, Khorassan, Iran, on July 23, 1940. He received the B.Sc. degree from Teacher's Training University, Tehran, Iran, in 1964, and the M.S. degree from the University of Tehran, Tehran, Iran, in 1970, both in physics. Continuing his graduate studies at the University of Utah, Salt Lake City, he obtained the Ph.D. degree in electrical Engineering in 1976.

He worked as a physics teacher in Iran from 1964 to 1970. Since 1976, he has been with the University of Utah, where he is a Research Assistant Professor of Electrical Engineering, with research interests in electromagnetic radiation, scattering, and interaction with biological systems.

✤

Ramamurty Nedunuri (M'70), photograph and biography not available at time of publication.

G. U. Paul was born at Dillenburg, Hessen, Germany, in 1946. He achieved his diploma in electronical engineering from Darmstadt University, Germany, in 1972. For his research on microwave propagation he achieved the Ph.D. degree from Bremen University, Germany, in 1976.

Since 1977 he is with Brown, Boveri and Cie at Mannheim, Germany, designing large scale integrated circuits.

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Giovanni Rietto, for photograph and biography please see page 212 of the February 1979 issue of this TRANSACTIONS.

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Gitindra S. Sanyal was born in Dhubri, India, on February 1, 1922. He received the B.Sc. (Hon.) degree in physics, and the M.Sc. degree in applied physics from the University of Calcutta, Calcutta, India, in 1941 and 1943, respectively, and obtained both the general and advanced diplomas of Marconi College, Chelmsford, England in 1946.

From 1943 to 1945 he was employed by the All India Radio as a Junior Maintenance Engineer. He was with Pye Limited, Cambridge, England, during 1946–1949 while working on the development of Microwave Slot Arrays. From 1949 to 1954 he served as a Lecturer at the Institute of Radio Physics and Electronics, University of Calcutta, and worked on microwave antennas and microwave behavior of ferromagnetics. In 1955, he joined the Indian Institute of Technology, Kharagpur, India, where he is currently a Professor of Electronics heading a research group working in the field of Microwave antennas and electromagnetic scattering.

Professor Sanyal is a fellow of the Indian National Science Academy, and the Institution of Engineers (India), and a member of the Institution of Electronics and Telecommunication Engineers of India.

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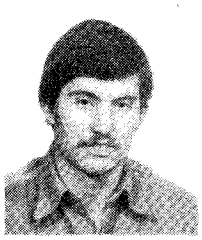
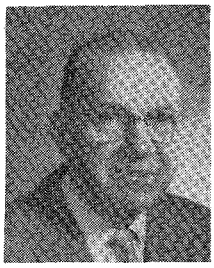


David B. Seidel (S'75–M'78) was born in Flagstaff, AZ, on November 26, 1951. He received the B.S., M.S., and Ph.D. degrees in electrical engineering from the University of Arizona, Tucson, in 1973, 1974, and 1977, respectively.

From 1973 to 1977 he was a Research Associate at the University of Arizona, and from 1977 to 1978, a Visiting Fellow with the Cooperative Institute for Research in Environmental Sciences, University of Colorado/NOAA, Boulder. He is currently with Sandia Laboratories, Albuquerque, NM. His research activities have included work in guided waves, EMP simulation, and antenna and scattering problems.

Dr. Seidel is a member of Tau Beta Pi.



Harold A. Wheeler (A'27–M'28–F'35–LF'68) was born in St. Paul, MN, on May 10, 1903. He received the B.S. degree in physics in 1925 and the honorary degree of Doctor of Science in 1972, from George Washington University, Washington, DC. He did post-graduate work until 1928, at the Johns Hopkins University, Baltimore, MD. In 1978, he received the honorary degree of Doctor of Engineering from Stevens Institute of Technology.

He was employed by the Hazeltine Corporation from 1924 to 1946, advancing to Vice-President and Chief Consulting Engineer. In 1959, he resumed activity with this company as a Director, and is now Chairman Emeritus and Chief Scientist. From 1947, he was President of Wheeler Laboratories, Inc., Great Neck, NY, which became a subsidiary of Hazeltine Corporation and in 1971 merged into the parent company. His activity in the field of microwaves dates back to World War II, when he was one of the leaders in the Combined Research Group at NRL. That group was developing the future system of IFF (Interrogation Friend-or-Foe), then designated the Mark V. From that beginning grew the Mark XII, which is now the standard. In the Wheeler Laboratories, during the two decades after the war, he directed advanced work on microwave antennas and circuits, largely for precision tracking radar. He has contributed many papers to IRE periodicals, and has been granted 180 U.S. Patents and many foreign patents.

Mr. Wheeler has served the IRE in such positions as Director (1934, 1940–1945) and Chairman of the Standards Committee; he received the Morris N. Liebmann Memorial Prize from IRE in 1940. In 1964, he was awarded the Medal of Honor by IEEE and the Armstrong Medal by the Radio Club of America. In 1975, he was the second to receive from MTT-S the Microwave Career Award. He is a Fellow of the Radio Club of America, an Associate Fellow of AIAA, an Associate Member of the Institution of Electrical Engineers (U.K.), and a member of Sigma Xi and Tau Beta Pi.