Contributors

David K. Adams (S'58–M'61) received the B.A. degree in physics from Reed College, Portland, Ore., in 1952, the M.A. degree in physics from the University of British Columbia, Vancouver, Canada, in 1953, and the Ph.D. degree in electrical engineering from the University of Michigan, Ann Arbor, in 1963.

He was a Teaching Assistant in physics at Reed College from 1951 to 1952 and at the University of British Columbia from 1952 to 1953. While serving in the U. S. Army from 1954 to 1956, he was an Instructor in Atomic Weapons and Nuclear Physics. While working for the Ph.D. degree at the University of Michigan, he was employed as a Research Associate from 1959 to 1960, and as an Instructor in Electrical Engineering and Facility Consultant from 1960 to 1962. From 1962 to 1963 he was a Research Engineer and Program Leader in charge of research activities on microwave circuits, solid-state devices, and antennas at the Cooley Electronics Laboratory. During 1963, he was an Assistant Professor of Electrical Engineering at the University of Michigan. He joined the Staff of Stanford Research Institute, Menlo Park, Calif., in January, 1964, and is currently engaged in work on solid-state microwave devices and their application. Some areas of recent activity are short-pulse generation and modulation, parametric circuits, bulk-semiconductor phenomena, fast microwave switches, and special transistor circuits including active filters. He has had extensive experience in research related to semiconductor devices, microwave circuits and special purpose microwave systems. His Ph.D. dissertation was a thorough study of double-sideband reactive mixers.

Dr. Adams organized and was Chairman of a session at the 1968 G-MTT International Microwave Symposium on Solid-State Control Devices; he served in a similar role at 1968 WESCON, regarding a session on Increasing Dynamic Range of Microwave Receivers.

❖

Donald J. Blattner was born in New York, N. Y. on December 29, 1925. He received the B.S. degree in electrical engineering and the M.A. degree in physics from Columbia University, New York, N. Y. He did further graduate work at Columbia University and at Rutgers University, New Brunswick, N. J.

For four years, he worked in solid-state research and taught physics at Columbia University. During the past sixteen years he has been with RCA, Princeton, N. J., where he specialized in microwave devices. He has developed traveling wave and backward wave tubes, stripline circuitry, laser modulators and detectors, high power varactors and varactor multiplier power sources, and a variety of ferrite switches. Most recently he has worked on transferred electron oscillators. He received an RCA commendation for his work on fast microwave computer circuits, and an outstanding achievement award for his work on ferrite duplexers for airborne radar. He has taught evening courses in electronics and mathematics at Mercer County College and out-of-hours programs in electromagnetic waves at various RCA locations. He is also presently Adjunct Professor of Mathematics at Rider College, Trenton, N. J. The author or coauthor of sixty technical papers, he holds five patents, with others pending.

Mr. Blattner is a licensed Professional Engineer listed in American Men of Science, and is a member of Sigma Xi.

❖

James E. Dalley (S'56–M'57) was born in Kanab, Utah, on June 27, 1922. He received the B.S. degree in radio technology from the Utah State University, Logan, in 1944, and the M.S. and Ph.D. degrees in electrical engineering from the University of Utah, Salt Lake City, in 1957 and 1963, respectively.

From 1949 to 1958 he was Head of the Electronics Department at Weber State College, Ogden, Utah. From 1958 to 1961 he was an instructor of Electrical Engineering at the University of Utah, and from 1961 to 1963 he was engaged in microwave research at the same institution. In 1963 he became a member of the technical staff at the Bell Telephone Laboratories, Reading, Pa., where he has been engaged in research and development work on microwave transistor amplifiers utilizing thin-film circuits and IMPATT diode oscillator circuits.

Dr. Dalley is a member of Phi Kappa Phi, Eta Kappa Nu, and Sigma Xi.

❖

Charles N. Dunn (M'66) was born on October 25, 1936, in Elk River, Minn. He received the B.S., M.S.E.E., and Ph.D. degrees in electrical engineering from the University of Minnesota, Minneapolis, in 1958, 1960, and 1964, respectively.

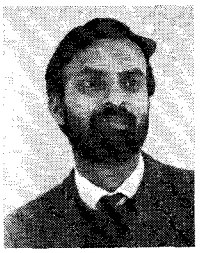
In 1964 he joined Bell Telephone Laboratories, Reading, Pa., as a member of technical staff. Since then he has been engaged in developmental studies on backward and tunnel diodes for microwave transmission applications and is now working on microwave diodes for solid-state oscillator sources.

Dr. Dunn is a member of Eta Kappa Nu, Tau Beta Pi, and the American Physical Society, and is an associate member of Sigma Xi.

❖

Leopold B. Felsen (S'47–A'53–M'54–SM'55–F'62), for a photograph and biography, please see page 130 of the February, 1969, issue of this TRANSACTIONS.

❖



A. Gopinath (S'64–M'65) was born on August 6, 1936, in Madras, India. He received the B.E. (Electrical) degree from the College of Engineering, Guindy, Madras, India, in 1957, the M.Tech. degree from the Indian Institute of Technology, Kharagpur, W. Bengal, in 1961, and the Ph.D. degree from the University of Sheffield, Sheffield, England, in 1965.

He served a graduate apprenticeship with A.E.I. Manchester Ltd. from 1958 to 1960; as an Engineering Assistant with Jessop & Co. Ltd., Calcutta, working on electrical traction control and crane control equipment, from 1960 to 1962; and as a Post-Doctoral Research Assistant at the University of Sheffield, in 1965–1966. He is currently Lecturer at the School of Electronic Engineering Science, University College of North Wales, Bangor, Caenarvonshire, U. K. His research interests have been in ac linear motors, and noise in electrostatic electron beams. He is currently working on microstrip components and scanning electron microscopy.

Dr. Gopinath is an Associate Member of the Institution of Electrical Engineers and a Graduate Member of the Institute of Mechanical Engineers.

❖

Raymond Y. C. Ho (M'68) received the B.S. degree in electrical engineering in 1960 from Tsinghwa University, Peiping, China, and the M.S. and Ph.D. degrees in electrical engineering in 1965 and 1967, respectively, from the University of California, Berkeley, Calif.

During the period from 1963 to 1966 he

was a Research Assistant in the Electronics Research Laboratory at the University of California, Berkeley, and from 1966 to 1967 he was an Acting Instructor in the Electrical Engineering Department. He joined the staff of Stanford Research Institute, Menlo Park, Calif., in 1967, where he is working on projects involving field emission devices and solid state circuits. His fields of prior specialization include electromagnetic theory, electron-beam dynamics, and crossed-field electronic devices. Recently he has worked on special transistor circuits, including active microwave filters.

Dr. Ho is a member of Eta Kappa Nu and Sigma Xi

❖

J. S. Hornsby was born on December 27, 1931, in Greenford, Middlesex, England. He received the B.S. degree in mathematics from Imperial College, London, in 1952.

He has worked in diverse fields of applied mathematics. in both industry and research, including machine tool design, aerodynamics, electrical power transmission, nuclear reactor simulation, high energy physics, and electron gun design. His main research interest is the numerical solution of differential equations using electronic digital computers, and he is now applying these techniques of solution to the analysis of microwave components. He is currently Senior Lecturer and Director of the Computing Laboratory at the University College of North Wales, Bangor, U. K.

Mr. Hornsby is a Fellow of the British Computer Society.

❖

George L. Millican (M'59) was born in Parsons, Kans., on December 10, 1916. He received the B.S. degree in physics and mathematics and the M.S. degree in mathematics from Southern Methodist University, Dallas, Tex., in 1955 and 1958, respectively.

Upon joining Texas Instruments Inc., Dallas, in 1955, he was initially assigned to the design and testing of microwave components. His activities were then concerned with RF signal processing in passive and active distributed circuits including applications of solid state devices and, more recently, development of advanced concepts in microwave circuit hardware with application to frequency-independent antennas. He is presently Technical Assistant to the President at United Technology Laboratories in Garland, Tex.

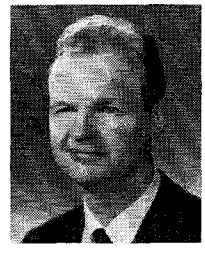
Mr. Millican is a member of Phi Beta Kappa and the Mathematical Association of America.

❖

Robert W. Paglione was born in Trenton, N. J., on December 1, 1945. He received the B.S.E.E. degree from Newark College of Engineering, Newark, N. J., in 1968, and is studying for the M.S.E.E. degree at Stevens Institute of Technology, Hoboken, N. J.

In 1965, he joined S & M Electric Industries to do design work on control circuitry for large ac motors. Since 1967, he has been a Research Engineer in the Microwave Applied Research Laboratory at the RCA David Sarnoff Research Center, Princeton, N. J. He has been engaged in research and development of switchable and fixed ferrite devices, semiconductor bulk-effect devices, and pulse modulation techniques.

❖



Wieslaw W. Siekanowicz (A'49–M'55) was born in Lwow, Poland, on January 3, 1928. He received the B.S. degree in electrical engineering from London University, London, England, in 1948, the M.S.E.E. degree from Columbia University, New York, N. Y., in 1950, and the D.E.E. degree from the Polytechnic Institute of Brooklyn, Brooklyn, N. Y., in 1960.

In 1950, he joined RCA Microwave Tube Operations to do advanced development work on traveling-wave tubes. Since 1956, he has been a member of the technical staff of the Microwave Applied Research Laboratory at the RCA Laboratories in Princeton, N. J., where he has been engaged in applied research and advanced development work on microwave tubes, permanent magnets, ferrite devices, integrated microwave circuits, and semiconductor bulk-effect devices. He has published some twenty papers and holds several patents in the eld of microwave devices. He also received an RCA Laboratories achievement award for his work on ferrite switches.

Dr. Siekanowicz is a member of Sigma Xi.

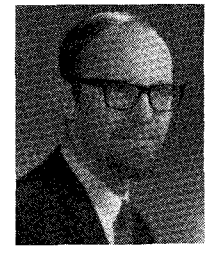
❖

Robert C. Wales (S'63–M'66) was born in Decatur, Tex., on June 14, 1943. He received the B.S. degree in 1965 from the University of Texas at Arlington, and the M.S. degree in 1967 from the University of Texas, Austin, both in electrical engineering.

Since 1966, he has been a member of the technical staff at Texas Instruments Inc., Dallas, Tex. As a member of the Communications and Ordinance Systems Department, he has been concerned with microwave circuitry in missile guidance systems.

Mr. Wales is a member of Eta Kappa Nu and Tau Beta Pi.

❖



Thomas E. Walsh was born in Jersey City, N. J., on March 27, 1937. He received the B.S. degree in electrical engineering from Fairleigh Dickinson University, Rutherford, N. J., in 1958, and the Ph.D. degree in physics from The Johns Hopkins University, Baltimore, Md., in 1963.

In 1963, he joined the Microwave Applied Research Laboratory of RCA, Princeton, N. J., where he is presently leader of the Ferrite and Quantum Devices Group. He has received two RCA Laboratories achievement awards for his work on laser modulators and ferrite switches.

Dr. Walsh is a member of Sigma Xi.

❖

Hung Yuet Yee, for a photograph and biography, please see page 131 of the February, 1969, issue of this TRANSACTIONS.