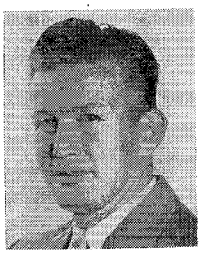
Contributors

W. Ayres was born on September 26, 1924 at Los Angeles, Calif. He served as an electronic technician aboard a destroyer during World War II. He returned to college in 1948 and received the B.S. degree in physics from Fresno State College in 1951. He then entered Stanford University where he received the M.S. degree in 1953 and the Ph.D. degree in 1954 in physics. In 1954 he joined the Applied Physics Section of the Electronic Defense Laboratory of Sylvania Electric Products Inc., Mountain View, Calif., where he has been engaged in ferrite research at microwave frequencies.



W. AYRES

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R. H. T. Bates was born in Sheffield, England, on July 8, 1929. He received the B.Sc. degree in engineering from University College in London in 1952.

From 1952 until the fall of 1955, Mr. Bates was in the radio frequency group of Vickers Armstrongs (Aircraft) Ltd. working in the guided weapons department. He is now in the antenna section of Decca Radar Ltd. in Surbiton, England.

R. H. T. BATES

Mr. Bates is a graduate member of the Institution of Electrical Engineers.

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J. J. Bolus was born in Pittsfield, Mass., on December 15, 1929. In 1951 he received the B.S. degree in electrical engineering from the University of Connecticut, and subsequently has taken graduate courses at Brooklyn Polytechnic Institute. While employed by the Sperry Gyroscope Co. from 1951 to 1955, he specialized on waveguide components in their Microwave Components Engineering Department.

J. J. BOLUS

He is presently serving in the U. S. Army and, under their program for the utilization of Scientific and Professional Personnel, is assigned to the Antenna and Microwave Circuitry Section of Evans Signal Laboratory, Belmar, N. J.

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

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R. E. Collin (M'54) was born at Donalda, Alberta, Can., on October 24, 1928. He received the B.Sc. degree in engineering physics from the University of Saskatchewan in 1951. From 1951 to 1953 he studied at Imperial College, London, England, on an Athlone Fellowship. From 1953 to 1954 he was on a Canadian Defence Research Board grant. He received the Diploma of Imperial College and the Ph.D. degree from the University of London in 1954. Since then, up to the present time, Dr. Collin has been a scientific officer at the Canadian Armament Research and Development Establishment, Valcartier, P.Q., where he is engaged in microwave work related to guided missiles.

R. E. COLLIN

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J. I. Davis (S'48–A'49–M'55) was born in Detroit, Mich., on January 2, 1925. He received the B.S. degree in electrical engineering in 1945 from the University of Michigan and an M.S. degree in 1948. From 1948 to 1950 he was engaged in microwave antennas and circuit design for missile systems at Bendix Aviation Research and Development Laboratory.

From 1951 to 1955, while employed at Hycon Manufacturing Co., he was responsible for development of microwave components for automatic GO-NO-GO Missile Test Equipment. Subsequently he was in charge of field engineering and data analysis associated with missile test equipment. He is presently engaged by Litton Industries for development of microwave systems in the fields of dielectric heating, magnetron test, and microwave simulators.

J. I. DAVIS

For a photo and biography of J. W. Griemsmann, see p. 180 of TRANSACTIONS OF THE IRE, Vol. MTT-3, No. 2; March, 1955.

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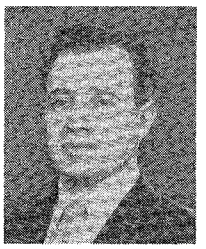
R. A. Lebowitz (S'42–A'44–M'55) was born in Kingston, N. Y., on January 10, 1921. He received the B.E.E. degree from the Polytechnic Institute of Brooklyn in 1942. For three years he worked on high voltage, dielectric, and microwave measurements for the General Electric Co. From 1945 to 1948, he was employed on various vessels of the merchant marine as radio operator.



R. A. LEBOWITZ

Mr. Lebowitz is presently employed by the Polytechnic Research and Development Co., Inc. as head of microwave product engineering.

He is an associate member of Sigma Xi and the American Institute of Electrical Engineering.

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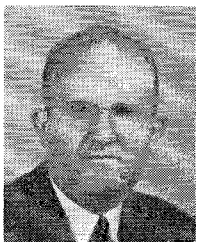
H. F. Mathis (M'47–SM'53) was born near Wichita Falls, Texas, on July 19, 1916. He received the B.S. in E.E. degree from the University of Oklahoma in 1939, the M.S. degree from Texas A. & M. College in 1941, and the Ph.D. degree from Northwestern University in 1953. He has also received the professional degree of Electrical Engineer from Texas A. & M. College and the University of Oklahoma.



H. F. MATHIS

From 1942 to 1946 and from 1951 to 1953, Dr. Mathis served as a reserve officer on active duty in the Navy. He was a research electrical engineer at the Microwave Laboratory at Northwestern University from 1946 to 1949. From 1949 to 1954, he was an associate professor of electrical engineering at the University of Oklahoma. Since 1954, he has been a Research Engineer in the Aerophysics Department of Goodyear Aircraft Corp., Akron, Ohio.

Dr. Mathis is a member of Sigma Xi, the American Institute of Electrical Engineers, and the American Mathematical Society.

C. H. Mayer (M'47) was born on December 10, 1921, in Ossian, Iowa. He received the B.S. degree in electrical engineering from the State University of Iowa in 1943, and the M.S. degree in electrical engineering from the University of Maryland in 1951.

C. H. MAYER

In 1943 he joined the staff of the Naval Research Laboratory to work on the development of microwave components and antennas. Since 1948 he has been associated with the Radio Astronomy program at the Naval Research Laboratory.

He is a registered professional engineer in District of Columbia and a member of Scientific Research Society of America.

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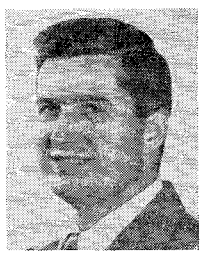
J. L. Melchor was born on July 6, 1925 in Mooresville, N. C. He received the B.S. degree and the M.S. degree in physics from the University of North Carolina. His undergraduate studies were interrupted by military service in the U. S. Navy. In 1949 he worked as a civilian physicist with the U. S. Navy Mine Countermeasures Station. Attending the University of Notre Dame in 1950 he was a U. S. Rubber Co. Fellow in High Polymer Physics. In 1952 and 1953 he worked part time with the Missile Division of Bendix Aviation Corp, and was awarded the Ph.D. degree from Notre Dame in 1953.



J. L. MELCHOR

Since 1953 he has been with the Electronic Defense Laboratory of Sylvania Electric Products Inc., and is currently engaged in ferrite research at microwave frequencies.

He is a member of Sigma Xi.

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P. A. Rizzi (S'50–A'54) was born in Providence, R. I., on December 10, 1930. He received the B.S. degree with high honors from the University of Rhode Island in 1951 and the M.Eng. and D.Eng. degrees in electrical engineering from Yale University in 1952 and 1955. During his graduate studies, he received the Yale University Scholarship and the Charles LeGeyt Fortescue Fellowship. Since August, 1954, Dr. Rizzi has been engaged in the development of ferrite components and microwave filters at the Missile and Radar Division of the Raytheon Manufacturing Co.

P. A. RIZZI

Dr. Rizzi is a member of Phi Kappa Phi, Sigma Xi, and Tau Beta Pi.

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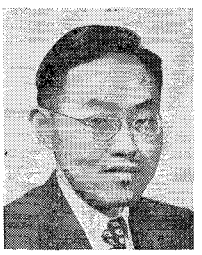
Kiyo Tomiyasu (S'41–A'42–M'49–SM'52) was born in Las Vegas, Nev., on September 25, 1919. He received the B.S. degree in electrical engineering from the California Institute of Technology, in 1940, and the M.S. degree in communication engineering from Columbia University in 1941. With a Low Scholarship he studied at Stanford University and then entered Harvard University to continue graduate work on a Gordon McKay Scholarship. He served as a teaching fellow and research assistant at Harvard, and, after receiving the Ph.D. degree in 1948, he served as instructor.



K. TOMIYASU

In September, 1949, Dr. Tomiyasu joined the Sperry Gyroscope Co., in Great Neck, N. Y., where he became engineering section head for microwave research in the microwave components department.

Since August, 1955, he has been employed at the General Electric Microwave Laboratory and has been engaged in research and advanced development of various microwave techniques and systems.

Dr. Tomiyasu is a member of Sigma Xi and the American Physical Society.

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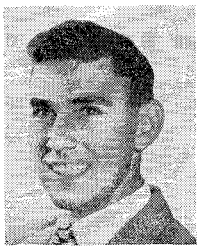
P. H. Vartanian (S'55) was born in Rochester, N. Y., on June 14, 1931. He received the B.S. degree in electrical engineering in 1953 from the California Institute of Technology, and the M.S. degree from Stanford University in 1954. At Stanford he was a Tau Beta Pi Fellow and later a research assistant at the Electronics Research Laboratory. In 1951 and 1952 he worked part-time at the U. S. Naval Radiological Defense Laboratory on radiation detectors.



P. H. VARTANIAN

In 1954 he joined the Electronic Defense Laboratory of Sylvania Electric Products Inc., and is engaged in research in microwave applications of ferrites. He is also doing work at Stanford University under the Honors Cooperative Program leading to the Ph.D. degree in electrical engineering.

He is a member of Tau Beta Pi.