

Contributors

Because IEEE membership records were not consolidated at publication time, the membership progressions shown are those of IRE.



Milo V. Anderson was born in Wolsey, S. Dak., on December 24, 1924. He received the B.A. degree in physics and mathematics, from Union College, Lincoln, Neb., in 1949, and the M.A. degree in physics from the

University of Nebraska, Lincoln, in 1955.

He was a high school mathematics and science teacher at Platte Valley Academy, Shelton, Neb., from 1949 to 1952. He was a member of the physics faculty at Union College until 1959. Since 1959 he has been a member of the Millimeter Wave Research Section of Boulder Laboratories of the National Bureau of Standards, Boulder, Colo. His primary activity at NBS has been the development and applications of the microwave form of the Fabry-Perot interferometer.

Mr. Anderson is a member of the American Physical Society, the American Association of Physics Teachers, and the Scientific Research Society of America.

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Yardley Beers (M'41) was born in Philadelphia, Pa., on May 12, 1913. He received the B.S. degree from Yale University, New Haven, Conn., in 1934, and the M.S. and Ph.D. degrees in physics from Princeton University, N. J. in 1937 and 1941, respectively.

He was Instructor at New York University, N. Y., from 1940 to 1941, and at Smith College, Northampton, Mass., from 1941 to 1942. He was a member of the M.I.T. Radiation Laboratory, Cambridge, Mass., from 1942 to 1945. From 1946 to 1961 he was a member of the Physics Department at New York University. At present, he is Chief of the Radio Standards Physics Division of the National Bureau of Standards, Boulder, Colo.

Dr. Beers is a member of the American Association of Physics Teachers and Sigma Xi. He is a Fellow of the American Physical Society.

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Morris E. Brodwin (A'49-M'55) was born in New York, N. Y., on July 14, 1924. He received the B.S. degree in electrical en-



gineering from the University of Nebraska, Lincoln, in 1947. He received the M.S. and Dr. Eng. degrees from The Johns Hopkins University, Baltimore, Md., in 1951 and 1957, respectively.

He was a member of the Martin Company in 1948. In 1949 he joined the Radiation Laboratory of The Johns Hopkins University where he was appointed Research Scientist in charge of microwave research. In September, 1958 he joined the faculty of the Department of Electrical Engineering at Northwestern University, Evanston, Ill., as an Associate Professor. He is currently engaged in the study of microwave physics.

Dr. Brodwin is a member of Sigma Xi, Eta Kappa Nu, Pi Mu Epsilon, and the Physical Society.

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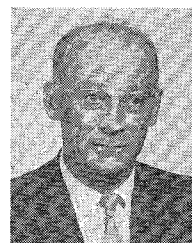
J. William Carr (S'49-A'50-M'53) was born on December 27, 1920, in Killdeer, N. Dak. He received the B.S. degree in electrical engineering from the University of California at Berkeley, in 1949, and the M.S. degree in electrical engineering from Ohio State University, Columbus, in 1951.

He served for six years in the U. S. Navy as a Radio Operator and Electronics Technician. From 1949 to 1951, he was employed at Wright-Patterson Air Force Base, Dayton, Ohio, and from 1951 to 1958, was employed at Gilfillan Bros., Inc., Los Angeles, Calif., where he was engaged in the design and development of RF components and systems. In 1958 he joined the staff of the Lockheed Missiles and Space Division, Electromagnetics Department, where he is primarily engaged in antenna research and development.

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E. J. Post was born in Rotterdam, The Netherlands, on October 20, 1914. He studied physics at the Institute of Technology in Delft where he obtained the degree of Naturkundig Ingenieur.

After graduation he joined the engineering staff of the Laboratory of the Netherlands Telecommunication Services,



The Hague, where he was engaged in work on piezoelectric crystals. During a leave of absence, from 1951 to 1952, he was with the National Research Council of Canada, Ottawa, Ontario, doing work in the field of acoustical

radiation pressure. In 1957 he joined the transmission Line Department of the Bell Telephone Laboratories, Murray Hill, N. J. He came to the Boston area in 1960 where he was first associated with Diffraction Limited, Bedford, Mass., for an orientational study of lasers. He has been with the Air Force Cambridge Research Laboratories since November, 1961.

Mr. Post is a member of The American Physical Society.

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V. Ramaswamy (M'62) was born in Kandanur, Madras, India, on June 22, 1938. He received the B.Sc. degree in physics (*with highest honor*) from the Madras University, in 1957, and the Dipl. Elect. Eng. (D.M.I.T.) de-

gree from the Madras Institute of Technology, India, in 1960. From September, 1960 to February, 1962 he attended Northwestern University, Evanston, Ill., working towards the M.S. degree.

While at Northwestern, he conducted research on microwave measurements and components. Since February, 1962, he has been associated with Zenith Radio Corporation, Chicago, Ill., where he has been concerned with solid-state parametric amplifiers.

Mr. Ramaswamy is an associate member of Sigma Xi.

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Eugene D. Sharp (S'54-A'55-M'57) was born in Greeley, Colorado, on October 29, 1931. He received the B.S., M.S., and Ph.D., degrees in electrical engineering from Stanford University, Stanford, Calif., in 1954, 1956, and 1962, respectively.

From 1954 to 1955 he was employed by the Air Research Organization, Inc., Tullahoma, Tenn., and from 1955 to 1956 he was a Teaching Assistant in electrical engineering at Stanford University. From 1956 to 1958 he was a Project Officer at the Rome Air Development Center, Griffiss AFB, Rome, N. Y., working in the Antenna Development Section. In 1958 he joined the staff of Stanford Research Institute, Menlo Park, Calif., where he worked on electronic scanning antennas, ECM antennas, and high-power waveguide filters. In February, 1962, he joined the staff of TRG-West, Menlo Park.

Dr. Sharp is a member of Tau Beta Pi.



Edward N. Skomal (SM'57) was born in Kansas City, Mo., on April 15, 1926. He received the B.A. degree and the M.A. degree from Rice University, Houston, Tex., in 1947, and 1949, respectively, both in physics.

His professional experience has included the study of electromagnetic and acoustic wave propagation and the development of

high frequency and microwave solid-state devices and assemblies. His past affiliations have been with the National Bureau of Standards, Washington, D. C., and the Sylvania Microwave Physics Laboratory, Palo Alto, Calif., in the capacity of Senior Project Leader. He is presently employed at Motorola Solid-State Systems Division as Manager, Applications Engineering.

Mr. Skomal is a member of the American Physical Society and Sigma Xi.



G. L. Strine was born in Braymer, Mo., on March 3, 1932. He received the B.A. degree in physics from the State University of Iowa, Iowa City, in 1959.

While at the State University of Iowa, he took part in an IGY cosmic ray expedition into the arctic waters off the coast of Greenland. Since 1960 he has worked in the Millimeter Wave Research Group at the National Bureau of Standards, Boulder, Colo. While at NBS his duties have been primarily concerned with experiments involving applications of the microwave Fabry-Perot resonator.

Mr. Strine is a member of Phi Eta Sigma, Phi Beta Kappa, and the American Association of Physics Teachers.



Robert W. Zimmerer was born in Brooklyn, N. Y., on May 21, 1924. He received the B.S. degree in physics from Worcester Polytechnic Institute, Mass., in 1951, the M.S. degree in physics from New York University,

N. Y., in 1955, and the Ph.D. degree in physics from the University of Colorado, Boulder, in 1960.

In 1958 he came to the Boulder Laboratories of the National Bureau of Standards as a guest worker, while conducting his graduate work at the University of Colorado. He joined the staff as a supervisory physicist in the Radio Standards Laboratory Millimeter Wave Research Section in 1960. His work there has been principally in the field of microwave physics. In 1962 he was appointed Acting Chief of the Section.

Dr. Zimmerer is a member of the American Physical Society.

Announcement

MICROWAVE FIELD AND NETWORK TECHNIQUES

For the second year, the Polytechnic Institute of Brooklyn is offering a one week summer program, "Microwave Field and Network Techniques." The series of three hour lectures, to be presented throughout the week June 3-7, 1963, will emphasize basic physical concepts, and mathematical techniques, as well as application to specific problems. A set of lecture notes will be offered to all participants.

Topics to be covered in the lectures will include:

- Quasi-Optic Diffraction Theory
- Wave Propagation on Smooth and Periodic Open Structures
- Waves in Plasmas
- Multimode Waveguide Technique at Low and High Microwave Power
- Analysis and Measurement of General Microwave Junctions
- Network Synthesis with Transmission Line Elements
- Broadband Parametric Amplification.

The program will be given at the Polytechnic Institute Long Island Graduate Center, Farmingdale, N. Y. For further information, write to:

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