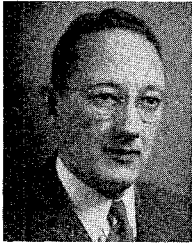


Contributors

A. C. Beck (A'30-SM'46) was born in Granville, N. Y., on July 26, 1905. He received the E.E. degree from Rensselaer Polytechnic Institute in 1927. After two summers in the test department of the New York Edison Co., and a year as instructor in mathematics at Rensselaer, he became a member of the Technical Staff of Bell Telephone Laboratories in 1928.



A. C. BECK

Since then he has been in the Radio Research Department, working on antennas, waveguides, and various short-wave, radar and microwave projects. At present he is concerned with broadband communication by means of radio relay and circular electric waveguide systems.

Mr. Beck is a licensed professional engineer and a member of Sigma Xi.



For a photograph and biography of S. B. Cohn, see the March, 1955 issue of the TRANSACTIONS OF THE IRE-PGMMT.



For a photograph and biography of D. D. King, see the March, 1955 issue of the TRANSACTIONS OF THE IRE-PGMMT.



E. W. Matthews, Jr. (S'46-A'47-M'54) was born on May 19, 1925, in Johnstown, Penna. He received the B.E.E. degree from Rensselaer Polytechnic Institute in 1946. After a year at the Westinghouse Electronics Research Laboratories, he returned to teach at Rensselaer, where he was awarded the M.E.E. degree in 1950. From 1949 to 1953 Mr. Matthews attended Harvard University's Graduate School of Arts and Sciences, receiving first a Teaching Fellow appointment and later an A.E.C. Predoctoral Fellowship. He was awarded the Ph.D. degree in applied physics in March, 1954.



E. MATTHEWS, JR.

Since July, 1953, Dr. Matthews has been employed by the Sperry Gyroscope Co.,

Great Neck, N. Y., where he is now a senior engineer in the research section of the Microwave Instruments and Components Engineering Department.

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



D. Park was born in New York, N. Y., on October 13, 1919. After graduating from Harvard in 1941, he became an instructor in physics at Williams College. In 1944 he joined the staff of the Radio Research Laboratory and spent most of the last year of the war in the Operations Analysis Section of the Eighth Air Force.



D. PARK

In 1950 he received the Ph.D. degree in theoretical physics from the University of Michigan and spent the following year at the Institute for Advanced Study on a postdoctoral fellowship. Dr. Park is at present assistant professor of physics at Williams College, where he is engaged in theoretical research on the microwave properties of ferrites and on various fundamental problems. He is to spend next year at the University of Ceylon as Fulbright lecturer.

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



J. H. Richmond (S'50) was born in Kalispell, Mont., on July 30, 1922. He served in the U. S. Navy as a Chief Electronics Technician from 1940 to 1946 and from 1950 to 1951. In 1950 he graduated *summa cum laude* from Lafayette College with the B.S. degree in electrical engineering.



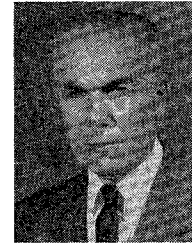
J. H. RICHMOND

Since receiving the degree of M.S. in electrical engineering from Ohio State University in 1952, Mr. Richmond has been employed as a research associate at the Antenna Laboratory of Ohio State University. He is now an assistant supervisor at the Antenna Laboratory, where he has been engaged in research on circularly polarized antennas, rotary waveguide phase shifters, and radomes.

Mr. Richmond is a member of Tau Beta Pi, Phi Beta Kappa, Sigma Xi, Pi Mu Epsilon, and Eta Kappa Nu.



C. Stewart (A'45-SM'55) was born on December 24, 1900, in Beldenville, Wis. He received the degree of Bachelor of Education from River Falls Teachers College in 1929. Mr. Stewart studied electrical engineering at the University of Minnesota and at the Carnegie Institute of Technology.



C. STEWART

In 1941 he served as an electronics instructor at a Signal Corps School at Des Moines, Iowa, and the following year taught pre-radar at the Army Air Force Truax Field Base. He also served as an instructor of college physics in the V12 program at Iowa State College in 1943. At the conclusion of the program, he became a research associate at the University of Iowa.

In 1945 he joined the research division of the Collins Radio Co. His work at Collins has been in the fields of propagation, microwave radar circuits, transistors, ferrites and radio astronomy.



T. E. Tice (S'46-A'50) was born in Florence, Ala., on January 24, 1924. He studied at Marshall College, the University of Wyoming, the University of Idaho and Ohio State University, receiving his Ph.D. from the latter in 1951. During World War II he was a communications officer in the U. S. Army Signal Corps.



T. E. TICE

From June, 1948 to April, 1954, he was a project engineer at the Antenna Laboratory of Ohio State University. Since April, 1954, he has been director of the laboratory. His research has been related to microwave antenna measuring techniques, the design of aircraft antennas, the analysis of elliptically polarized antennas and the design of radomes. Since January, 1952, he has also been an assistant professor in the Department of Electrical Engineering at Ohio State University.

Dr. Tice is a member of Sigma Xi, Tau Beta Pi, Eta Kappa Nu and Chi Beta Phi.