Vogel, F. L., Jr.

Dislocations in Plastically Bent Germanium Crystals, Monograph 2763.

WEBER, L. A.

Influence of Noise on Telephone Signaling Circuit Performance, Monograph 2812.

Weibel, E. S.

An Electronic Analog Multiplier Using Carriers, Monograph 2813.

Wenny, D. H., see Gould, H. L. B.

Younker, E. L.

A Transistor-Driven Magnetic-Core Memory, Monograph 2814.

Contributors to This Issue

C. H. Elmendorf, B.S., California Institute of Technology, 1935; M.S., 1936; Bell Telephone Laboratories, 1936—. Mr. Elmendorf was concerned with the development of coaxial cable transmission systems from 1936 to 1955, except for the period from 1941–1945 when he worked on airborne radar systems. In 1952 he started an exploratory program on submarine cable systems. As Assistant Director of Transmission Systems Development since 1955, he has been responsible for development of submarine cable systems. He is a senior member of the I.R.E.

Bruce C. Heezen, B.A., University of Iowa, 1948; M.A., Columbia University, 1952; Ph.D. 1956. After participating in a cruise of the Woods Hole research vessel Atlantis in the summer of 1948, Mr. Heezen held a fellowship in geology at Columbia, where he joined the staff of the Lamont Geological Observatory when it was founded in 1949. As submarine geologist, and now as senior scientist in charge of the submarine geology program, he has been a member of numerous deep-sea expeditions. In addition, he teaches a graduate course in submarine geology on the Columbia campus. His work includes deep-sea topography, sediments, and sedimentation processes; submarine photography and deep-sea research instrumentation; and geologic, geophysical, and oceanographic exploration of the deep sea.

Samuel P. Morgan, B.S., 1943; M.S. and Ph.D., 1947, California Institute of Technology; Bell Telephone Laboratories, 1947—. A research mathematician, Mr. Morgan has been concerned with the application of electromagnetic theory to microwave problems, and has also made studies in other fields of mathematical physics. Member American Physical Society, Tau Beta Pi, Sigma Xi and I.R.E.

LLOYD R. SNOKE, B.S. in For., 1948, Pennsylvania State University; Bell Telephone Laboratories, 1948-. Since joining the Laboratories. Mr. Snoke has specialized in the timber products used in the Bell System and their preservative treatment. He has been specifically engaged in the study of timber treatment theory, the application of radioactive isotopes to fundamental problems and the bioassav of wood preservatives. For the past four years Mr. Snoke has been concerned with microbiological testing of materials including laboratory bacteriological studies and actual marine tests. He heads the Environmental Protection Group of the Outside Plant Development Department. Member American Association for the Advancement of Science, the Society for Industrial Microbiology, American Wood Preservers' Association, American Society for Testing Materials, Materials Advisory Board — Technical Panel on Miscellaneous Materials, Steering Committee of Microbiological Deterioration Section — Gordon Research Conferences and Zi Sigma Pi.

Hans-Georg Unger, Dipl. Ing., 1951, Dr. Ing., 1954, Technische Hochschule Braunschweig (Germany); Bell Telephone Laboratories 1956—. Mr. Unger's work at the Laboratories has been in waveguides, especially circular electric wave transmission. He holds several foreign patents on waveguides and has published in German technical magazines, Member I.R.E.

E. E. Zajac, B.M.E., 1950, Cornell University; M.S.E., 1952, Princeton University; Ph.D., 1954, Stanford University; Bell Telephone Laboratories, 1954—. Since joining the Laboratories, Mr. Zajac's work has been in theoretical and applied mechanics in the Mathematical Research Department. Member of the American Society of Mechanical Engineers, Tau Beta Pi, Pi Tau Sigma, Phi Kappa Phi and Sigma Xi.