

## Contributors to this Issue

W. O. BAKER, B.S., Washington College, Maryland, 1935; Ph.D., Princeton University, 1938; Bell Telephone Laboratories, 1939-. Dr. Baker has carried on investigations of the molecular structure and physical properties of polymers, particularly the fundamental constitution of synthetic rubbers and plastics. Harvard Fellowship, 1936-37 and Proctor Fellowship, 1938-39. Member of American Chemical Society, American Physical Society, and American Society for Testing Materials.

J. H. HEISS, B.S. in Ch.E., Newark College of Engineering, 1942; Bell Telephone Laboratories, 1934-. Mr. Heiss has devoted his time to studying experimental wire coating procedures and the test methods involved, the experimental production of high polymers (plastics) and the examination of their physical properties, and the properties of high polymers in solution. Member of American Chemical Society.

W. S. HAYWARD, JR., A.B., Harvard University, 1943; S.M., Harvard Graduate School of Engineering, 1947; Aircraft Radio Laboratory, June-December 1943; U. S. Navy, Aviation Electronics Officer, 1944-46; Bell Telephone Laboratories, 1947-. Mr. Hayward has taught telephone switching circuit design at the Laboratories and is currently making probability studies of telephone traffic.

BROCKWAY McMILLAN, B.S., Massachusetts Institute of Technology, 1936; Ph.D., Massachusetts Institute of Technology, 1939; Instructor of Mathematics, Massachusetts Institute of Technology, 1936-39; Proctor Fellow and Henry B. Fine Instructor in Mathematics, Princeton University, 1939-42; U.S.N.R., 1942-46, studying exterior ballistics of guns and rockets; Los Alamos Laboratory, Spring 1946; Bell Telephone Laboratories, 1946-. Dr. McMillan has been engaged in mathematical research and consultation work. Member of American Mathematical Society, Institute of Mathematical Statistics, and A.A.A.S.

R. E. STAEHLER, B.E.E., College of the City of New York, 1947; M.E.E., Polytechnic Institute of Brooklyn, 1948; U. S. Army 1943-46, Communications Officer; Instructor in Electrical Engineering, Polytechnic Institute of Brooklyn, Fall, 1950; Bell Telephone Laboratories, 1948-. After completing the Communications Development Training Program,

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M. K. ZINN, B.S. in E.E., Purdue University, 1918; U. S. Army, 1918-19. Amer. Tel. and Tel., 1919-1934; Bell Telephone Laboratories, 1934-. As a transmission engineer, Mr. Zinn has been concerned with land and submarine loaded cables, telephone instruments, buried cable and submarine cable with amplifiers and special problems. Member of A. I. E. E. and Tau Beta Pi.