

## Contributors to This Issue

JOSEPH A. BECKER, A.B., Cornell University 1918; Ph.D., Cornell University, 1922. National Research Fellow, California Institute of Technology, 1922-24; Asst. Prof. of Physics, Stanford University, 1924. Engineering Dept., Western Electric Company, 1924-1925; Bell Telephone Laboratories, 1925-. Mr. Becker has worked in the fields of X-Rays, magnetism, thermionic emission and adsorption, particularly in oxide coated filaments, the properties of semiconductors, as applied in varistors and thermistors.

W. R. BENNETT, B. S., Oregon State College, 1925; A.M., Columbia University, 1928. Bell Telephone Laboratories, 1925-. Mr. Bennett has been active in the design and testing of multichannel communication systems, particularly with regard to modulation processes and the effects of nonlinear distortion. As a member of the Transmission Research Department, he is now engaged in the study of pulse modulation techniques for sending telephone channels by microwave radio relay.

C. B. GREEN, Ohio State University, B.A. 1927; M.A. in Physics, 1928. Additional graduate work at Columbia University. Bell Telephone Laboratories, 1928-. For ten years Mr. Green was concerned with transmission development for telephotography and television systems and with the design of vacuum tubes. Since 1938 he has been engaged in the development and application of thermistors.

J. P. KINZER, M. E., Stevens Institute of Technology, 1925. B.C.E., Brooklyn Polytechnic Institute, 1933. Bell Telephone Laboratories, 1925-. Mr. Kinzer's work has been in the development of carrier telephone repeaters; during the war his attention was directed to investigation of the mathematical problems involved in cavity resonators.

W. P. MASON, B.S. in E.E., Univ. of Kansas, 1921; M.A., Ph.D., Columbia, 1928. Bell Telephone Laboratories, 1921-. Dr. Mason has been engaged principally in investigating the properties and applications of piezoelectric crystals and in the study of ultrasonics.

R. S. OHL, B. S. in Electro-Chemical Engineering, Pennsylvania State College, 1918; U. S. Army, 1918 (2nd Lieutenant, Signal Corps); Vacuum tube development, Westinghouse Lamp Company, 1919-21; Instructor in

Physics, University of Colorado, 1921-1922. Department of Development and Research, American Telephone and Telegraph Company, 1922-27; Bell Telephone Laboratories, 1927-. Mr. Ohl has been engaged in various exploratory phases of radio research, the results of which have led to numerous patents. For the past ten or more years he has been working on some of the problems encountered in the use of millimeter radio waves.

G. L. PEARSON, A. B., Willamette University, 1926; M. A. in Physics, Stanford University, 1929. Bell Telephone Laboratories, 1929-. Mr. Pearson is in the Physical Research Department where he has been engaged in the study of noise in electric circuits and the properties of electronic semi-conductors.

J. H. SCAFF, B.S.E. in Chemical Engineering, University of Michigan, 1929. Bell Telephone Laboratories, 1929-. Mr. Scaff's early work in the Laboratories was concerned with metallurgical investigations of impurities in metals with particular reference to soft magnetic materials. During the war he was project engineer for the development of silicon and germanium crystal rectifiers for radar applications. At the present time, he is responsible for metallurgical work on varistor and magnetic materials.

I. G. WILSON, B.S. and M.E., University of Kentucky, 1921. Western Electric Co., Engineering Department, 1921-25. Bell Telephone Laboratories, 1925-. Mr. Wilson has been engaged in the development of amplifiers for broad-band systems. During the war he was project engineer in charge of the design of resonant cavities for radar testing.