

Contributors to this Issue

H. W. BODE, A. B., Ohio State University, 1924; M.A., 1926; Ph.D., Columbia University, 1935. Bell Telephone Laboratories, 1926-. Dr. Bode has been engaged in the study of transmission networks, such as wave filters, attenuation equalizers, and phase correctors.

JAMES A. CARR, B.S. in Electrical Engineering, Virginia Polytechnic Institute, 1919; Instructor in Electrical Engineering at Massachusetts Institute of Technology, 1920. American Telephone and Telegraph Company, Development and Research Department, 1921-27; Bell Telephone Laboratories, 1927-. Mr. Carr has been engaged principally in outside plant development work.

KARL K. DARROW, B.S., University of Chicago, 1911; University of Paris, 1911-12; University of Berlin, 1912; Ph.D., University of Chicago, 1917. Western Electric Company, 1917-25; Bell Telephone Laboratories, 1925-. Dr. Darrow has been engaged largely in writing on various fields of physics and the allied sciences.

C. O. GIBBON, B.S., Purdue University, 1914; M.S., Massachusetts Institute of Technology, 1917; M.E.E., Harvard University, 1917; Electrical Engineering Laboratory Assistant, Massachusetts Institute of Technology and Harvard University, 1917-18. American Telephone and Telegraph Company, Department of Operation and Engineering, 1921-. First engaged in work on telegraph matters, Mr. Gibbon has since 1925 been occupied principally with problems pertaining to local transmission and in the preparation of engineering data for the transmission design of the exchange plant.

F. V. HASKELL, B.S. in Electrical Engineering, Worcester Polytechnic Institute, 1926. New York Edison Company, 1926-29. Bell Telephone Laboratories, 1929-. Mr. Haskell has been engaged principally in aerial systems work.

ARTHUR W. HORTON, JR., A.B., Princeton University, 1920; E.E., Princeton University, 1922. Western Electric Company, Engineering Department, 1922-25; Bell Telephone Laboratories, 1925-. Mr. Horton has been engaged in work relating to the application of voice operated devices in the toll telephone plant and in studies of toll transmission.

O. J. MURPHY, B.S. in Electrical Engineering, University of Texas, 1927; Columbia University, 1928-31. Bell Telephone Laboratories, 1927-. Mr. Murphy has been principally engaged in studies of the effects of transmission delay and voice operated devices on toll telephone circuits.

A. C. NORWINE, A.B., University of Missouri, 1923; B.S. in Electrical Engineering, 1924; E.E., 1925. Bell Telephone Laboratories, 1925-. Mr. Norwine has been principally engaged in studies of the effects of transmission delay and voice operated devices on toll telephone circuits.