## Contributors to this Issue

- O. B. Blackwell, B.S. in electrical engineering, Massachusetts Institute of Technology. After graduation, he entered the Engineering Department of the American Telephone and Telegraph Company and in 1919 was made Transmission Development Engineer. Mr. Blackwell has general supervision of transmission developments and has been prominently associated with progress in long distance wire and radio telephony.
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EDWARD C. Molina, Engineering Department of the American Telephone and Telegraph Company, 1901–19, as engineering assistant; transferred to the Circuits Design Department to work on machine switching systems, 1905; Department of Development and Research, 1919–. Mr. Molina has made contributions to the theory of probability and its applications to telephone problems, such as the efficiency of various trunking arrangements and the significance of data derived from samples. He has also taken out several important patents relating to machine switching.

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WILLIAM WILSON, Victoria University of Manchester, 1904–10; B.Sc., 1907; M.Sc., 1908; Cavendish Laboratory, Cambridge University, 1910–12, B.A., 1912; Lecturer in Physics, Toronto University, 1912–14; D.Sc. Manchester, 1913. Engineering Department, Western Electric Company, 1914–24; 1925–Bell Telephone Laboratories; Assistant Director of Research 1928–. Dr. Wilson has published numerous papers on radioactivity and thermionics and since 1917 has been in direct charge of vacuum tube development and design and since 1925 has also been in charge of radio development.

O. J. Zobel, A.B., Ripon College, 1909; A.M., Wisconsin, 1910; Ph.D., 1914; instructor in physics, 1910–15; instructor in physics, Minnesota, 1915–16; Engineering Department, American Telephone and Telegraph Company, 1916–19; Department of Development and Research, 1919–. Mr. Zobel has made important contributions to electric circuit theory, which includes the subject of distortion correction as well as that of wave-filters.