

Contributors to this Issue

H. A. AFFEL, S.B. in Electrical Engineering, Massachusetts Institute of Technology, 1914; Research Assistant in Electrical Engineering, 1914-16. Engineering Department and the Department of Development and Research, American Telephone and Telegraph Company, 1916-. Mr. Affel has been engaged chiefly in development work connected with carrier telephone and telegraph systems.

C. R. AVERY, B.S. in Mechanical Engineering, University of Michigan, 1918; M.S., 1920. Western Electric Company at Chicago, New York, and Kearny, New Jersey, 1920-. As a development engineer, Mr. Avery has helped establish efficient methods of manufacture for enameled wire, paper and textile insulated wire, and telephone cable.

D. R. BROBST, E.E., Lehigh University, 1917; First Lieutenant, Coast Artillery Corps, U. S. Army, 1917-19; Engineering Department, Western Electric Company, 1922-25; Bell Telephone Laboratories, 1925-. Mr. Brobst's work has been connected with the development of central office wire and cable.

R. W. CHESNUT, A.B., Harvard University, 1917; War Department of French Government, 1917; U. S. Army, 1917-19; Engineering Department, Western Electric Company, 1920-25; Bell Telephone Laboratories, 1925-. Mr. Chesnut has been engaged in the development of carrier telephone and long-wave radio systems.

HAL F. FRUTH, B.A., M.A., St. John's College, Minnesota, 1914; M.S., University of Minnesota, 1922; Ph.D., University of Michigan, 1926; Research Assistant and Physics Instructor, University of Minnesota, 1920-22; Physics Instructor, University of Michigan, 1922-25; Physicist, Western Electric Company, Development Department, 1925-. Dr. Fruth has been engaged in development of manufacturing processes for mica condensers, microphones, resistances, wire enameling and gas burner design.

W. S. GORTON, A.B., Johns Hopkins University, 1908; M.A., 1910; Ph.D., 1914. Instructor in Electrical Engineering, Massachusetts Institute of Technology, 1911-13; Physicist, Brady Urological Institute, Johns Hopkins Hospital, 1914-17; Associate Physicist, Bureau of Standards, 1917-19; Western Electric Co., 1919-25; Bell Telephone Laboratories, 1925-. Dr. Gorton has worked on voice-operated tele-

phone repeaters and on the development and manufacture of submarine telegraph and telephone cables.

C. H. G. GRAY, B.Sc., Massachusetts Institute of Technology, 1918; Instructor in Electrical Engineering, Massachusetts Institute of Technology, 1918-19; Engineering Department, Western Electric Company, 1919-25; Bell Telephone Laboratories, 1925-. Mr. Gray has been engaged in the development and application of machine testing methods for the inspection of transmitters and receivers.

GORDON R. HARRIS, B.S., Carnegie Institute of Technology, 1927; Bell Telephone Laboratories, 1927-. Mr. Harris has been engaged in the development of filters for carrier telephone and telegraph systems.

A. H. INGLIS, B.A., Yale University, 1914; Western Electric Company, 1914-17; American Expeditionary Forces, 1917-19; American Telephone and Telegraph Company, Department of Development and Research, 1919-. Mr. Inglis has been engaged principally in the development of telephone instruments and sets.

R. T. JENKINS, B.S. in Electrical Engineering, Cooper Union, 1917; E.E., 1920. Engineering Department, Western Electric Company, 1916-25; Research Department, Bell Telephone Laboratories, 1925-. Mr. Jenkins' work has been largely in connection with transmission testing methods and apparatus, and with electro-acoustic calibrations.

W. C. JONES, B.S. in E.E., Colorado College, 1913; Western Electric Company, 1913-25; Bell Telephone Laboratories, 1925-. As Transmission Instruments Development Engineer, Mr. Jones has specialized in the development and application of instruments for the transmission of speech and music.

H. KRESS, M.E., Staatliche Hoehere Maschinenbauschule, Frankfurt Am Main, 1926. After graduation, Mr. Kress engaged in engineering work in Germany. In 1929, he joined the Western Electric Company as a development engineer and his work has dealt principally with textile insulated wire.

E. B. WOOD, B.S., Princeton University, 1915; M.A., Princeton, 1916; Teaching Staff, Cascadilla School, 1916-17; Captain, Coast Artillery Corps, U. S. Army, 1917-19; Teaching Staff, Pratt Institute, 1919-20; Engineering Department, Western Electric Company, 1920-25; Bell Telephone Laboratories, 1925-. Mr. Wood's work has been connected mainly with the development of central office wire and cable and humidity testing equipment.