

BIOGRAPHICAL DATA FOR A.I.E.E.

12/1/33

F. O. McMillan (A '14 - M '26 - F '33) research professor of electrical engineering, Oregon State College, Corvallis, Oregon. Born in Albia, Iowa May 12, 1890. Received the degree of bachelor of science in electrical engineering from Oregon State College in 1912 and the master of science degree in electrical engineering from Union College, Schenectady, New York in 1919.

Entered the student engineering course of the General Electric Company in July 1912 and transferred to the engineering department of that company early in 1914. Was engaged in experimental and designing engineering work at the Schenectady Works until 1920.

Appointed assistant professor of electrical engineering at Oregon State College in 1920, associate professor in 1923 and research professor, the position now held, in 1930.

Registered professional engineer in the State of Oregon, and in addition to academic work have acted as consulting electrical engineer for a number of public utilities, the Port of Portland, Oregon in 1925 and the United States Bureau of Fisheries from 1929 to 1933.

Member of following scholastic honor societies;

A Phi Kappa Phi, Sigma Xi, Tau Beta Pi, Eta Kappa Nu, and Sigma Tau

Member of following professional organizations;

American Institute of Electrical Engineers, Fellow  
Society for the Promotion of Engineering Education  
Northwest Electric Light and Power Association

Activities in the American Institute of Electrical Engineers;

Contribution of a number of papers and discussions.  
Counselor for Oregon State College Branch, A.I.E.E.,  
from 1926 to 1932, and the present Institute year  
1933-34.

Chairman of the A.I.E.E. Northwest District Committee on  
Student activities 1927-28.

Member A.I.E.E. National Committee on Student Branches  
1931-34.

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List of some publications;

- "Pin Type Insulator Tests," Proceedings of the Third Annual Meeting of the Technical Section of the Northwest Electric Light & Power Association, 1926.
- "Method of Live Line Insulator Testing and Results of Tests with Different Instruments," Proceedings of the Fourth Annual Meeting of the Technical Section of the Northwest Electric Light & Power Association, 1927, pp. 13-40.
- "Electric Fish Screen," U. S. Bureau of Fisheries Document No. 1042.
- "Corona Related to Failure of Cable Terminals" by S. B. Clark and F. O. McMillan, Electrical World, September 8, 1928, pp. 453-454. McGraw-Hill Publishing Co., Inc.
- "High-Voltage Gaseous Conductor Lamps" by F. O. McMillan and E. C. Starr Transactions of the American Institute of Electrical Engineers, Vol. 48, No. 1, pp. 11-18, Jan. 1929.
- "Radio Interference from High-Voltage Insulators," Transactions of the Seventh Annual General Meeting of the Engineering Section of the Northwest Electric Light and Power Assn., March 26, 27, 28, 1930, pp. 181-200.
- "The Influence of Polarity on High-Voltage Discharges" by F. O. McMillan and E. C. Starr, Transactions of the A.I.E.E., Vol. 50, No. 1, 1931.
- "Progress Report on Radio Interference from High-Voltage Transmission Lines--Pin and Pedestal Type Insulators," Transactions of the Eighth Annual General Meeting of the Engineering Section of the Northwest Electric Light and Power Assn., 1931.
- "Radio Interference from Insulator Corona," Electrical Engineering, Jan. 1932; Transactions A.I.E.E., Vol. 51, 1932.
- "The Coordination of High-Voltage Transmission Lines with Radio," Transactions of the Ninth Annual General Meeting of the Engineering Section of the Northwest Electric Light and Power Assn., 1932.
- "Asphalt Emulsion Reduces Insulator Radio Troubles," Electrical World, Volume 102, No. 6, Aug. 5, 1933.