

maps and views and the descriptive matter is well written and contains many allusions to the early history of the Columbia Valley.

The Clays and Shales of Washington, Their Technology and Uses. By HEWITT WILSON, edited by MILNOR ROBERTS. (Seattle: University of Washington, 1923. Pp. 224. \$1.00.)

The Chemical Utilization of Wood in Washington. By HENRY KREITZER BENSON, THOMAS GORDON THOMPSON and GEORGE SAMUEL WILSON. (Seattle: University of Washington, 1923. Pp. 160. Seventy-five cents.)

Electric Heating of Residences. By EDGAR ALLAN LOEW. (Seattle: University of Washington, 1923. Pp. 48. Fifty cents.)

These three publications comprise Bulletins 18, 19, and 20 in the "Engineering Experiment Station Series." The first one is prepared under cooperative agreement between the University of Washington and the United States Bureau of Mines. Mr. Wilson is Assistant Professor of Ceramics and Mr. Roberts is Dean of the College of Mines. Mr. Benson and Mr. Thompson are Professors in the Department of Chemistry and the third author of the second named bulletin is a Professor in the Department of Mechanical Engineering. Mr. Loew is Professor of Electrical Engineering. His present paper on the "Electric Heating of Residences" is Part II., the first portion having appeared in 1921 as Bulletin 15.

The Story of the Totem Pole, or Indian Legends. By WILLIAM SHELTON. (Tulalip, Wash.: The Author, 1923. Pp. 80. \$1.00.)

The author is a Snohomish Indian who has served the Government for many years at the Tulalip Indian School. He is one of the few men on Puget Sound who has carved huge totem poles. One of his masterpieces stands in the streets of Everett and another greets each visitor to the Tulalip Indian School. In his little book he shows the sixteen parts of the great pole at Everett and then tells the sixteen stories or legends. He is selling his books personally and there is little doubt that they will be highly prized in a few years as they become scarce and people ask about the meaning of the Indian's carving.