South Dakota Geological and Natural History Survey

Freeman Ward, State Geologist

CIRCULAR 19

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EXPLANATION

The Survey issues two series of publications as follows:

BULLETINS.—Some subjects have been investigated a longer time, full data have been gathered, such preparatory or experimental work as was necessary has been entirely or nearly finished. In other words, the study of the subject is actually completed or so nearly so that the results can be relied on and published with a degree of confidence as to their value; and the treatment is full and thorough. In such a case the matter is published as a bulletin.

CIRCULARS.—But often during the progress of the work enough information is at hand to be of value to those interested, yet not enough for a complete treatise. A part of a county or a part of a certain seject may be finished, perhaps, and publication waiting for the complete investigation of the whole county or the whole subject. There may be a demand for statistical matter, or lists of references, or current information, etc., which would hardly do for a formal bulletin. Such partial reports, summary reports reports of progress, lists, or unit fragments of larger subjects, etc., are handled in circulars.

It is planned to publish the circulars frequently and the bulletins at longer intervals. With this arrangement much information will reach the public with a minimum of delay.

Inquiries may be addressed to the State Geologist, Vermillion, S. D.

BULLETINS

- Bull. 1.—Prel'mimary Report on the Geology of South Dakota. 1894. J. E. Todd. Out of stock.
- Bull. 2.—The First and Second Biennial Reports on the Geology of South Dakota, and Accompanying Papers. 1893-96. J. E. Todd. Out of stock.

History of the Survey.

First Biennial Report of the State Geologist.

Second Biennial Report of the State Geologist.

Section from Rapid City Westward.

A Reconnaissance into Northwestern South Dakota.

The Geology Along the B. & M. R. R.

Elevations in and About the Black Hills.

Additional Notes on the Limits of the Main Artesian Basin. Explorations of the White River Badlands.

Bull. 3.—Mineral Resources of South Dakota. 1900. Out of stock. Mineral Wealth of the Black Hills. C. C. O'Harra. Mineral Building Materials, Fuels, and Waters of South Dakota. J. E. Todd.

Bull. 4 .- Report of the State Geologist. 1908. Out of stock.

Preliminary Report on the Geology of the Northwest-Central Portion of South Dakota. J. E. Todd.

Two New Araucarias from the Western Cretac∈ous, G. R. Wieland.

Preliminary Report on the Flora and Fauna of the West Part of the Rosebud Reservation. Now Known as Gregory County. S. R. Jones.

Drainage in South Dakota. A. B. McDaniel.

Some Silurian and Devonian Fossils from Northeastern lowa. A. L. Haines.

The State Survey of South Dakota. E. C. Perisho.

Appendices to J. E. Todd's Article on the Geology of the Northwest-Central Portion of South Dakota.

- Bull. 5.--The Geography, Geology and Biology of North-Central South Dakota. 1912 E. C. Perisho and S. S. Visher.
- Bull. 6.—The Biology of Harding County. 1912. S. S. Visher. Report of the State Geologist. 1913-14. E. C. Perisho.
- Bull. 7.—The Scope, Methods and Plans of the State Survey. 1916. Freeman Ward. Out of stock.
- Bull. 8.—The Geography of South Dakota. 1919. S. S. Visher. Report of the State Geologist, 1916-18. Out of stock.
- Bull. 9.—The Birds of South Dakota. 1921. W. H. Oyer and C. S. Thems.
- Bull. 10.—The Possibilities of Oil and Gas in South Dakota. Preliminary Report. March, 1922. R. A. Wilson.
- Bull. 11.—Geology of a Portion of the Badlands. Aug., 1922.

 The Badlands as a National Park.

 Freeman Ward and W. C. Toepelman.
- Bull. 12.—The Reptiles and Amphibians of South Dakota. 1923. W. H. Over.
- Bull. 13.—The Flora of South Dakota. W. H. Over. In preparation.

CIRCULARS

- Circ. 1.—Oil in South Dakota. Dec., 1917. Freeman Ward. Out of stock.
- Circ. 2.—South Dakota Fossils. March, 1918. Freeman Ward.
- Circ. 3.—Protect the Birds and Help Win the War. June, 1918. W. H. Over.
- Circ. 4.—Possibilities of Oil and Gas in Harding County. Oct., 1918. Freeman Ward. Out of stock.
- Circ. 5.—Bibliography of South Dakota Geology: Selected References. April, 1919. Freeman Ward. Out of Stock.
- Circ. 6 .- Chalk. Nov., 1919. Freeman Ward,

Circ. 7.—The Needs of the State Geological and Natural History Survey. April, 1920. Freeman Ward.

Circ. 8.—The Possibilities of Oil in Eastern Pennington County. Oct., 1921. Freeman Ward.

Circ. 9.—The Possibilities of Oil in Western Dewey County. Sept., 1922. Freeman Ward and R. A. Wilson.

Circ. 10.—The Possibilities of Oil in Northern Dewey County. Dec., 1922. R. A. Wilson.

Circ. 11.—The Trees and Shrubs of South Dakota. Jan., 1923. W. H. Over.

Circ. 12.—The Possibilities of Oil in Eastern Harding County. March, 1923. W. C. Toepelman.

Circ. 13.—The Possibilities of Oil in Northern Ziebach County. April, 1923. R. A. Wilson and Freeman Ward.

Circ. 14.—Oil and Gas Prospects in Southern Perkins County. Dec., 1923. G. F. Moulton.

Circ. 15.—Sand and Gravel Deposits in Eastern South Dakota. Feb., 1924. E. P. Rothrock.

Circ. 16.—Natural Resources of South Dakota. April, 1924. Departments of Geology of the University of South Dakota and the South Dakota School of Mines.

Circ. 17.—Field Conditions in Southern Haakon County. May, 1924. Freeman Ward and G. F. Moulton.

Circ. 18.—Well Log in Northern Ziebach County.

//Cambeny Ratios in South Dalsota///
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T.W. Stanton

Circ. 19.—Publications of the State Survey. April, 1924.

Circ. 20-Oil Possibilities of Western Ziebach Co.

W.L.Russell.

Circ. 21- Sand and Gravel Deposits in Yankton Co. E.P.Rothrock Circ. 22- Structures in Northern Haakon Co.

Freeman Ward.

Circ. 23-Oil and Gas Possibilities in Northeaster

Meade Co. R.A.Wilson.

Circ. 240 The Ragged Butte Structure.

R.A.Wilson.
Circ. 25- The Structure of Western S. Dakota.

Freeman Ward.

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