

The Gold-Bearing Veins of Bag Bay, Western Ontario.

By Mr. PETER MCKELLAR, Fort William, Ontario, Canada.

The object of this paper was to show the peculiarities of the gold-bearing veins in the granite area of Bag Bay, Shoal Lake, west of the Lake of the Woods, Ontario. These veins are characterized by the smallness of the quartz fissures compared with the quantity of valuable ore they yield under development. This paper was presented and read by Dr. Bell.

Glacial Phenomena in the Yukon Territory.

By Mr. J. B. TYRRELL, Geological Survey Department.

In this paper the author describes the direction of the glaciation which he noticed during the summer of 1898, together with notes on the various glacial deposits met with on Bonanza, Stewart, Eldorado and other creeks in the Yukon District of Canada.

Gold Mining in the Klondike District.

By Mr. J. B. TYRRELL.

This paper was illustrated with lantern views from photographs taken by Mr. Tyrrell during the past summer. It gave a most instructive view of the large amount and character of the gold placer mining carried on within Canadian territory in the Klondike.

Amongst other papers interesting to Canadians were the following:—

Pre-Cambrian Fossiliferous Formations.

By the Hon. Charles D. Walcott, Director of the U. S. Geological Survey, Washington, D.C.

This paper opened with a description of the pre-Cambrian formations which have yielded traces of life, including the announcement of the discovery of fossils indicating highly organised life in the pre-Cambrian belt terrane of Montana. One of the forms described has a strong resemblance and affinity to certain Silurian Eurypterids.

The Faunas of the Upper Ordovician in the Lake Champlain Valley.

By Theodore G. White, of Columbia University, New York City.

In this paper Dr. White gave the results of a detailed study of the consecutive faunas contained in each stratum at numerous localities through-