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discussion as possible at earliest date.

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### A DESCRIPTION OF THE BELGO-CANADIAN FRUIT LANDS COMPANIES' IRRIGATION WORKS, NEAR KELOWNA, B.C.

BY C. A. STOESS, M. CAN. SOC. C.E.

(To be read before the General Section)

The Belgo-Canadian fruit lands are situated 10 miles east of Kelowna at the foot of Black Mountain and include an area of 9,000 acres of which only 6,000 acres are available for irrigation. The general map shows the location, part being shaded in the morning from the east by Black Mountain and part from the north. The top of Black Mountain is about 4,000 feet above the sea and the extremes of altitude on the irrigable land are 1,525 feet above the sea at Mission Creek at the southwest corner and 3,305 feet at the northeast corner of the company's property. The land is generally very rolling with many deep pot holes and hills and has good slopes and benches with good soil. It was necessary to make a 10 foot contour survey in order to design the subdivision, distribution of irrigation water, roads, etc. The only data that had previously been taken was a barometer survey of which no marks were found on the ground, so that all necessary surveys had to be made before construction work could be commenced. The time available for such surveys was very limited as it was urgently insisted upon that the water should be turned on as soon as possible.

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