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*Honorary Members:* The Surveyor General, Capt. E. Deville, W. F. King, Prof. Selwyn, Prof. Macoun, Dr. Bell, Prof. G. M. Dawson, Prof. Harrington, Andrew Russell, E. E. Taché, and Bolton Magrath.

Having read those names I am reminded of Maeterlick's Blue Bird, one of the prettiest stories in the English language. I recall that Tyltyl and his sister visit the kingdom of Memories. He meets there his grandfather and his grandmother, seated together. Tyltyl says: "I thought you were dead." "No," said his grandfather. "We are not dead when you think of us, when you speak of us, when there are kind thoughts of us, we are not dead." A good many of those surveyors have crossed the border line. Let us say, that we think of them, that there are kind thoughts of them, and therefore they are not dead, to us.

My address is given on the programme as on the seismograph and earthquakes. Now, we as seismologists, are concerned more with the effect of earthquakes than with their cause. The cause of earthquakes is not my province and I do not intend to enter into any explanation of their cause. I might refer casually, however, to one or two things. Generally the earth is considered a cooling mass. That is something we have no direct proof of, and consequently do not know the amount of heat given out by the earth and the consequent shrinkage that might be attributable thereto. It is simply a plausible explanation that has lost some of its force since the discovery of radium which gives out heat continuously. Something of which we have more definite knowledge is the stress on a body, which changes the shape or size or volume of a body,

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