

PROPOSED RADIUM INSTITUTE.

The proposed gift from the Government of the Province of Quebec of \$100,000. towards the establishment of a Radium Institute in connection with the University of Montreal is noted with interest and appreciation.

It is respectfully submitted that a similar sum should be assigned to McGill University for the reasons stated below.

I. At the Macdonald Physics Building the theory of Radioactivity and the laws governing the radiations from radium, etc., were discovered by Sir Ernest Rutherford and Professor Soddy. This work has been and is being carried on by numerous successors, notably Professors Barnes, Eve, Gray.

The important research work is hampered and restricted from lack of an adequate supply of radium. The original gift of Sir William Macdonald, magnificent at the time, supplied about 30 milligrams of radium, altogether insufficient to-day. Well equipped laboratories now require 1000 milligrams, costing about \$100,000.

II. If McGill University received such a gift the following results would follow.

A. The research work into the properties and physical possibilities of radium could be properly continued and developed. This is a necessary preliminary step.

B. The emanation from the radium supply could be collected and issued to the Physiologists and Pathologists of McGill in order to continue and develop research work on the effect of the radiations on cell tissues and structures. This is a necessary step towards cancer research.

The supply of radium is not diminished by collection of the