

hitherto used in astronomy, the purpose being to study the positions and motions of stars and members of the solar system. These observations have application in surveying, navigation and accurate time determination.

Also at Ottawa, new instruments will be developed to study the violent storms on the surface of the sun.

In arctic Canada steps are being taken to establish geophysical stations in the northern posts of Alert and Mould bay. They will be used for a number of purposes, including a study of earthquakes in the Arctic islands and the adjacent Arctic Ocean and a study of the daily variations of the earth's magnetic field.

We are asking for an amount in the neighbourhood of \$359,000 to finance the activities of our Geographical Branch in the fiscal year commencing April 1 next.

Just recently this branch published the English edition of the new Atlas of Canada and already close to 4,000 copies have been ordered. Work on the French edition is being pushed to the limit but owing to the magnitude of the task and the physical limitations of the available facilities it will be several months before it is ready for distribution.

In our land-use mapping program we plan this year to continue the work in Saskatchewan and British Columbia.

In conclusion, Mr. Chairman, may I state that the funds we are requesting will enable us to continue to render a service to industry that, over the years has proven to be factor of the greatest importance in furthering the developing of Canada's mineral potential. There is a great and increasing need for the benefits of research in this development and the funds will enable us to keep pace with this need. They will also enable us to maintain our researches in fields other than those directly associated with mineral development at a level commensurate with the role that Canada must play in world affairs in this age of scientific achievement.

In closing I would like to thank all the officers and employees of my department for the excellent cooperation I have received from them and for their thorough and conscientious work.

Mr. Chairman and members of the committee, I thank you all for your kind attention.

The CHAIRMAN: Thank you, Mr. Minister.

Mr. DUMAS: Mr. Chairman, we are very grateful to the minister for giving us a resume of the activities of his department during the year 1958.

I am very pleased also to see that the department has seen fit to prepare a report of twenty-four pages, being a review of the activities of the past year. I understand that this will be translated into French as soon as possible. Also I suppose it is the intention of the department to have this prepared in the form of a pamphlet which can be distributed in the near future.

You will notice on page two of the review of activities for 1958 that there is special mention made of Mr. W. H. Miller who was Director of the Surveys and Mapping Branch until November of 1958. Mr. Miller was retired on that date. You will also notice he joined the staff of the Topographical Division of the Geological Survey in 1913; that is 45 years of service to our country.

Last summer all of you met Mr. Miller when he was in attendance at this committee. You must have noticed that he was really devoted to the department. Since Mr. Miller was retired, unfortunately he became ill, and is at present in hospital. I am sure I am speaking for all the members of the Committee when I say that first of all we wish to extend to Mr. Miller our sincere appreciation for what he did during his term with the different branches, embracing not only the Geological Survey and Mapping Branch but also all the branches connected with the Department of Mines and Technical Surveys.