

<p>(d) Northern Quebec... .. \$10,100</p> <p>These parties are working south along the Quebec and Lake St. John railway and will complete their work to the St. Lawrence river in 1925, thus completing a loop to and up the Saguenay river to lake St. John and south to Three Rivers, which is of great importance in the geographical work of northern Quebec. A start will also be made on a triangulation net westward along the Transcontinental railway.</p> <p>(e) Gulf of St. Lawrence... .. \$3,800</p> <p>Only reconnaissance for the laying out of future work will be carried on in this area, and by the fall of 1925 it is anticipated that the selection of stations will be completed as far east as the straits of Belle Isle. This net is of great importance both to the province of Quebec and as a base for hydrographic surveys.</p> <p>(f) Maritime provinces... .. \$18,700</p> <p>Triangulation of the bay of Chaleur will be completed this year, as well as most of the triangulation along the east coast of New Brunswick. These nets will serve as a base for hydrographic surveys, and also have been in great demand by the province of New Brunswick as a base for geographic work in that province.</p> <p>2. Mount Logan climb... .. \$2,300</p> <p>The department is paying the expenses of one of its own officers on the attempt to climb mount Logan, which is being sponsored by the Alpine Club of Canada. This officer is one of the most experienced mountain climbers in the government service.</p> <p>3. Base lines... .. \$4,500</p> <p>Three base lines are being measured to check the distances calculated from the triangulation at three points in eastern Canada. One will be measured near Three Rivers, Quebec, a second near Pembroke and a third near lake Timiskaming in Quebec.</p> <p>4. Geodetic astronomy... .. \$3,500</p> <p>Eight triangulation stations will be occupied as laplace stations during the coming season. Five of these will be along the 49th parallel triangulation and three in eastern Ontario and Quebec. These stations are inserted at intervals along the triangulation nets to add to their accuracy.</p> <p>5. Precise levelling... .. \$27,800</p> <p>Five main parties are being placed in the field in 1925, two in Alberta, one in southern British Columbia, one in southern Ontario and a fifth in the province of Quebec. One part of the work in the latter area is to check a line of levels already run along the south shore of the St. Lawrence river to aid in determining the extent of the earthquake movements in the lower St. Lawrence of last spring.</p> <p>6. City surveying... .. \$9,000</p> <p>This is simply carrying out the programme followed in the last three years in making an experimental area of the city of London to determine the best methods of city survey work for the benefit of other Canadian cities.</p>	<p>7. Instruments, Books, etc... .. \$4,000</p> <p>This sum is provided for the purchase of new equipment which, owing to many improvements in instruments for geodetic work, will enable our Canadian Geodetic survey to carry on more efficiently.</p> <p>8. General Expenses... .. \$18,190</p> <p>This sum is provided to take care of all such items of general expense as expenses at head office, freight, telephone, charwomen, and all such expenses as are not chargeable to principal divisions of the work.</p> <p>9. Salaries... .. \$128,510</p> <p>Total... .. \$270,500</p>
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Mr. McQUARRIE: What is this geodetic astronomy?

Mr. STEWART (Argenteuil): The purpose of the astronomical observations is to fix definite points of longitude and for straightening out the triangulation.

Mr. GARLAND (Bow River): I see that item No. 234 covers topographical and general surveys for forestry, settlement and so on. I turn over to page 54, and under item No. 279, under Dominion lands and parks, there is the enormous sum of \$1,185,000 for the protection of timber, also for the surveys of forest resources, and research in forestry. There is an increase in that item of \$35,000. Can the minister, although we are not on that item, but in order to help us with the one we are discussing, tell us how much of that \$1,185,000 is devoted to forest surveys?

Mr. STEWART (Argenteuil): None of it. It is all for protective purposes. That is in the Forestry department itself. The surveys are done by the Topographical Surveys branch, but the preservation of the forests is in the hands of the forestry officials.

Mr. GARLAND (Bow River): The increase in vote No. 279 would have no bearing on the decrease in the other vote?

Mr. STEWART (Argenteuil): No.

Item agreed to.

To compensate the Timiskaming and Northern Ontario Railway Commission in connection with their claim for injury to John Hedin, \$240.

Mr. McQUARRIE: How does this come under item No. 235?

Mr. STEWART (Argenteuil): John Hedin was a section man in the employ of the Timiskaming and Northern Ontario Railway and was injured on October 17, 1921, in a collision between our precise levelling party's motor car and a section motor car on which Hedin was riding. It has not been brought out that the accident was either party's fault; it was apparently an unavoidable occurrence.