

such surveys is to discover and develop the natural resources of Canada such as minerals, forests, agriculture, water power, etc. and to stimulate and assist the development of mineral resources. The Branch produces geological maps. It also secures and maintains specimens indicative of the geology, mineralogy, palaeontology, ethnology, flora and fauna of Canada. It investigates the character of deposits of minerals of economic and strategic interest with a view to their exploration and development. It investigates methods of mining, quarrying, processing, utilising and marketing mineral products. It operates physical, metallurgical laboratories with a view to improving the quality of metallic products and it undertakes the study of economic problems affecting the mining industry. The Branch administers the Explosives Act.

The Surveys and Engineering Branch supervises the work of the Dominion Observatories, the Geodetic Service of Canada, the International Boundary Commission, the Hydrographic and Map service, the Engineering and Construction Service and the Dominion Water and Power Bureau. The functions of these various divisions include time and astronomical services; triangular and precise levels; the determination and maintenance of the international boundary; surveys for the preparation of coastal and navigation charts; legal surveys and the preparation and printing of maps and charts; engineering and construction works relative to national parks, historic sites and Indian reserves; the measurement of streams and the investigation of national water and power resources.

The Branch renders assistance to provinces under certain circumstances in connection with the building of roads which are considered to be of national importance.

**Mr. Bailey** I wonder if Mr. Smallwood would also read no. 10 in the Grey Book in connection with that.

**Mr. Smallwood** That refers to lighthouses, fog alarms, etc. That comes directly under the marine services division of the Department of Transport and is a different subject altogether. We might

come to that after we pass this one.

**Mr. Bailey** After you hear what I have to say, you will understand why I wanted to read the two together. I think this, above anything else in this country of ours, is long overdue, especially a hydrographic survey. The others, I am not going to touch on; they are outside my jurisdiction. In fact, I know very little about them. If you notice, when you pick up a chart of this country, it refers back to Captain Cook. He is a long time dead. I must say he did a wonderful job. But I think it is time someone else did a job. It is long overdue. There is many a mother and wife whose husband did not come home, because nobody was interested in what was under the vessel's bottom. Sometimes the only way to find a depth of water is to have a wire dragging between two ships with floats on them. This is long overdue and whether we have responsible government, commission government or confederation, the first job is to get this survey of our east and Labrador coasts. The Labrador coast is in the worst condition of any part of the world. It is a crying shame, especially in a maritime country.... Take the Funks — nobody knows the fishing ground around the Funks. I had hopes of bringing this up before, but I could not work it in.

**Mr. Smallwood** I have a great deal of sympathy for what Mr. Bailey says. As a matter of interest, I took occasion when in Ottawa to go down to the office where this work is done, and talked with the men in charge — the men who would be in charge of the mapping and charting of the coast of Newfoundland and the coast of Labrador. As professional men, they were looking forward with interest to the charting of the coast of Newfoundland and Labrador. But let us be quite accurate about this. The British Admiralty has brought Captain Cook's charts up to date; we are not as far back, in coastal charts. We are a little more modern than that. But I agree they are lacking, and need to be brought up to date.

**Mr. Ballam** I believe had our Commission government made arrangements with the RCAF — they had planes stationed in this country, and did a lot of photography work in the training of pilots — I cannot see why it could not have been done. If it had been put before the British government, they would have been only too glad. We have not been able to reach anybody in authority