

Dr. HARRISON: Several different kinds of aircraft have been utilized with varying efficiency and utility.

Last summer for the first time we tried a new kind of aircraft, much smaller and faster than we had used before. It reduced the cost per line mile enormously, and we plan, naturally, to continue with the same sort of aircraft next year.

Other aircraft can do the work but perhaps not so efficiently.

Mr. AIKEN: I have one general question: is there any other purpose behind the geological surveys besides that of locating minerals? Do they have any further useful purpose?

Dr. HARRISON: They are for basic scientific information which, in the long run, will be applied for the benefit of mankind. In this case they will be based primarily on the investigation for minerals.

However, we do make other studies. For the past four or five years a geologist has been making investigations of the St. Lawrence seaway area. These are special studies in respect to foundations for dams, locks and that sort of thing. In addition we employ geologists whose speciality is that of the study of ground water, or the study of surficial deposits, and so on.

Mr. AIKEN: There is no particular purpose in this central Ontario region; is there anything expected there, or is it merely a matter of having a complete picture on it?

Dr. HARRISON: It is partly a matter of completing the picture, and partly a basic scientific. It is partly—I suppose mainly—with the hope that it will result in the discovery of deposits of minerals.

Mr. AIKEN: Does the southerly limit of this area extend roughly to the southerly limit of the Canadian Shield?

Dr. HARRISON: Just about. Actually, we have done a certain amount of work in the region that goes from the United States border to the edge of the Shield. This is an extension of the work. The block in the southern part was done some years ago and we will complete the whole block this year.

Mr. AIKEN: How many aircraft would be used in that project?

Dr. HARRISON: One.

Mr. AIKEN: That would be the full extent of the project? Would it?

Dr. HARRISON: Yes.

Mr. NIELSEN: Can you tell me if there are five permanent geological offices north of the 60th parallel?

Dr. HARRISON: There are two offices, one at Yellowknife and one at Whitehorse.

Mr. NIELSEN: The one at Yellowknife and the one at Whitehorse are permanent offices?

Dr. HARRISON: Yes.

Mr. NIELSEN: Are those the only permanent offices north of the 60th parallel?

Dr. HARRISON: Yes.

Mr. NIELSEN: Who handles the Arctic arrangements? Is that done from Ottawa?

Dr. HARRISON: Yes.

Mr. NIELSEN: When were the permanent offices in Yellowknife and in Whitehorse established?

Dr. HARRISON: I believe it was in 1950 or 1951 in Yellowknife; and I believe it was about 1956 in Whitehorse; but I would have to check the dates because I am not sure.