

Mr. Richmond: That is a hard question to answer, of course it is a matter of timing, but I think the answer probably is no, in the time frame that we did it in.

Senator Robichaud: Did you get a major part of your assistance from the parent firm, or was the major work done in Canada?

Mr. Richmond: No; the development work on this engine was all done in Canada. The training of a nucleus of engineering people was carried out at United Aircraft's plant in East Hartford prior to the launching into the development of the PT-6. This was a matter of about a dozen people. Subsequent to that there have been and continue to be specific instances where we can get assistance on request on specific problems. In addition to that there is a great backlog of information and experience of things like materials as an example. These are very fundamental things which a company starting from scratch could not possibly accumulate in the time that is needed to bring forth a program successfully. Just to set the record straight, the development of the engine was all done in Canada in our facilities. I would like to belatedly introduce the two other members of the group here: Mr. Miles Beech, the comptroller of the company, and Dr. el Baroudi, manager of business planning.

Senator Kinneer: Here on your technological trends you say in the building of your new engines you are going to run into a great deal more pollution apparently. You give the reason for clearing up the pollution, the reasons why you cannot clear it up. Have you started to deal with that?

Mr. Richmond: I do not believe that we meant to imply that we were causing any pollution now.

Senator Kinneer: Do you mean to say that your engines are so good that there is no trouble pollutionwise?

Mr. Richmond: No; fortunately they are small enough that they really do not generate that much in the way of pollution. What is intended here is to indicate some of the areas where there needs to be continuing and further work, particularly if these engines are going to operate as many people think they will in the future in and around populated areas. This is a philosophy that is developing, where the larger airports will be set up outside the main population centres and smaller

airplanes will be used to carry the people from the main distribution centres into the small fields near the areas. This is what is meant here. The word pollution also applies here to noise.

Senator Kinneer: Oh, yes; that is part of it. You say that here too. When are we going to get better transportation service from the larger airports we have today with smaller planes to various areas, like the Niagara district?

Mr. Richmond: I see Mr. Golden sitting here, maybe he will answer that.

Mr. Golden: It is the best solution in the world; there is no question about that.

Mr. Richmond: This is now taking place in certain of the major population centres in the U.S., particularly around Los Angeles. There is quite a lot of activity with this concept.

Senator Kinneer: Well, it is a serious transportation problem and I think we are into great trouble in Canada now needing that service. I was hoping that you would say you are going to get at it right away.

Mr. Richmond: The products are there. It is a matter of convincing people to use them and having the airports, of course.

Senator Kinneer: I hope you don't mean the very small aircraft that just carry four or five people.

Mr. Richmond: No, the airplanes that are currently in use for this type of operation carry about 18 passengers.

Senator Kinneer: I am still disappointed.

Senator Robichaud: You are prepared to supply the tools to do the job?

Mr. Richmond: That is correct.

Mr. Golden: I think, senator, that one of your witnesses on Friday was Mr. Boggs, the president of De Havilland. I do not know the details of the aircraft on which they are working, but the DHC-7, I think, which is the aircraft which presumably will be their next project, is designed to have four PT-6 engines and to carry 40 people.

Senator Kinneer: That is much better.

Senator Phillips (Prince): With respect to the transportation problem that Senator Kinneer brought up, what about the use of heli-