

the Queen Elizabeth II telescope, a 150-inch telescope. The estimated cost of that telescope at this stage is \$13 million.

The CHAIRMAN: Are there any further questions on Vote No. 60?

Mr. BOWER: I have one question I would like to ask, if I may, before we carry this vote.

Are our expenditures in this realm comparable to other countries with a similar gross national product or some other index of that sort?

Mr. HODGSON: You mean in astrophysics?

Mr. BOWER: In the things covered here by Vote No. 60 and 65.

Mr. HODGSON: That is a very difficult question. I think our expenditures in this are lower, certainly, than in the United States, on a percentage basis. I would think they would compare favourably with most other countries, but lower too than the Soviet Union, certainly.

The CHAIRMAN: Are there any further questions?

Mr. FULTON: The detail for the expenditures for Penticton and Mount Kobau are all listed under Victoria, is that correct?

Mr. HODGSON: Mr. Chairman, it is a little confused. Penticton is listed under Ottawa and the others are listed under Victoria. The Queen Elizabeth vote is handled out of Victoria. That is the big telescope. The 150-inch telescope is referred to, I think, under Victoria.

Mr. FULTON: Did you not say that was going to go on Mount Kobau?

Mr. HODGSON: Yes, but our design staff is based on Victoria. We have a large observatory in Victoria, the Dominion Astrophysical Observatory.

Mr. FULTON: As I understand it the present operation at Penticton is found under Ottawa.

Mr. HODGSON: It is supervised under Ottawa because the ideas originated in Ottawa. As soon as we have all of these facilities there we will consolidate this under direction in the west. It has an historical basis rather than a logical one.

Mr. FULTON: It is not very easy to identify. Speaking for myself, I am new to this study in detail. I would be interested, for instance, to know how many staff are at Penticton; what is the size of the operation, and so on.

Mr. HODGSON: Penticton has a scientific staff of about eight, and with a supporting staff of technicians, secretaries and that sort of thing, there is a total staff of about 14 or 15. The staff is fairly high level; the professional staff are all Ph.D. level practically.

Now Victoria has a professional staff somewhat larger and operates two large telescopes outside of the city of Victoria.

Mr. FULTON: Did I understand you correctly to say that when the second telescope at Penticton is completed there will be a consolidation? Will the whole unit then be administered from Ottawa or from Victoria?

Mr. HODGSON: We would hope, sir, that it would be administered in the west, that there would be an institute of astrophysics set up which would handle all of our facilities in the west.