

of the Institute and its technical equipment, it can be anticipated that federal assistance, within the terms of the Hospital Construction and Cancer Control Grants will be very substantial.

As a logical extension of Ontario's cancer treatment services, I am happy to announce today that the Federal Government has just approved financial assistance towards the purchase of two additional Cobalt 60 Beam Therapy Units, to be installed at Hamilton and Windsor. I am advised that delivery of this equipment can be expected next Spring. The province's two remaining University centres, Ottawa and Kingston, may be expected to complete construction arrangements for the receipt of Cobalt 60 Units soon thereafter.

While the "Cobalt Bomb" is one of the most heartening developments of recent years, there is still a great deal of research that must be undertaken before the full extent of its effectiveness and the nature of its limitations are known. Cobalt 60 radiations do not offer a positive cure for all forms of cancer. Its rays, however, provide a means of treating certain cancerous conditions, particularly those of a deep-seated nature, more efficiently than with either radium or X-rays. Moreover, the new Cobalt 60 Units provide hospitals and foundations with radiation equipment for cancer treatment at a much lower cost than was previously possible. Let me illustrate:

One Cobalt 60 Beam Therapy Unit, which costs from about \$50,000 to \$80,000, depending on the model, produces more radiation than the total world supply of medically-used radium which, of course, is worth millions of dollars. In contrast to X-rays, the Cobalt Unit can do the work of a 2,000,000-volt X-ray machine which would cost almost three times as much to build. Thus the development of the Cobalt 60 Unit has brought radiation treatment more readily within the reach of strategically-located large hospitals and, in so doing, offers new hope to thousands of cancer sufferers across Canada.

Continued Effort Necessary

The development of the Cobalt 60 Beam Therapy Unit by Canadian Government physicists is more than an isolated achievement. It is a symbol of our determination to come to grips with one of the nation's most urgent health problems. Today, with the full support of the Federal Government and with the whole-hearted co-operation of the provinces and of the voluntary societies, Canada is making every effort to bring cancer to bay by improving our diagnostic facilities, extending our treatment services, and accelerating our research activities.

While we can take encouragement from recent progress, there is no room for complacency about cancer. Those of us who are responsible for planning the expenditure of funds to fight this great killer are proud of the leadership already shown by cancer experts in this country. But we must continue our efforts to see that the gaps in existing services are filled and that available facilities are co-ordinated to the very best advantage.