

Indirect support is provided through established program transfer payments. Of the total direct payments, 89% is for university R&D mostly in grants from the Medical Research Council, the Natural Sciences and Engineering Research Council and the Social Sciences and Humanities Research Council. The rest is for related science activities, mostly for education support which covers grants for the post-secondary education of students in the natural or engineering sciences.

Value of government R&D contracts and research fellowships to individuals has increased in recent years, as have payments and awards by the Natural Sciences and Engineering Council, which planned to spend \$152.6 million in payments to individuals and institutions in the university sector in 1980-81.

In Canada the major part of research in the health sciences is conducted in universities and affiliated hospitals and institutions. The Medical Research Council provides about 50% of the Canadian support to health research. Voluntary agencies financed by the public provide a significant proportion of support. Nearly 83% of the council's support of research and training is relevant to specific diseases. The grants program funds have been awarded in order of priority to research related to cancer, cardiovascular disease, respiratory disease and diabetes and related disorders. Substantial grants for heart research have been made to Dalhousie University and the University of Manitoba.

Complementing the Medical Research Council's support of university science is a national health R&D program of the federal health and welfare department. It has helped to expand university research in the health care field.

The Social Sciences and Humanities Research Council spends nearly half its budget on fellowships and scholarships to support Canadian students and career scholars. Through a research grants program the council supports advanced research in a broad range of fields including social history, psychology of child behaviour, linguistic and cultural development, folklore collection, archeological excavation and biographical, economic, management and political studies.

Large-scale research and editorial projects undertaken by groups of scholars over a period of years are eligible for support. Another grants program supports research in areas of national concern such as population aging and the strengthening of university research resources.

NRC planned to provide \$13.5 million as a continuing contribution in 1980-81 for a medium energy proton accelerator and meson facility at the University of British Columbia.

Among the departments which channel federal support to universities for research are agriculture, energy, mines and resources, environment, national defence, transport and communications.

International

14.2.3

Except for projects of the International Development Research Centre and the Canadian International Development Agency, foreign performers are engaged when a particular expertise is not available in Canada or when specific research facilities are only available abroad.

DOC's foreign expenditures result from a co-operative agreement between Canada and the European Space Agency (ESA). The department was to participate in the development and preparation of a large-platform communications satellite, and the energy, mines and resources department was to share in the development of a remote-sensing satellite. The national defence department planned contracts with government agencies in the United States and Britain and with companies abroad having special capabilities in such fields as electronics, avionics and communications.

The three granting agencies mentioned in the universities section provide funds for fellowships, research grants, post-doctoral education support for Canadian scholars working outside Canada and an international exchange program which brings foreign professors to Canada and sends Canadian scientists abroad.

NRC's main foreign expenditures are for a Canada-France-Hawaii telescope, a large optical telescope being built on an extinct volcano in Hawaii. NRC contributes to an international energy authority and pays for affiliation in such organizations as an