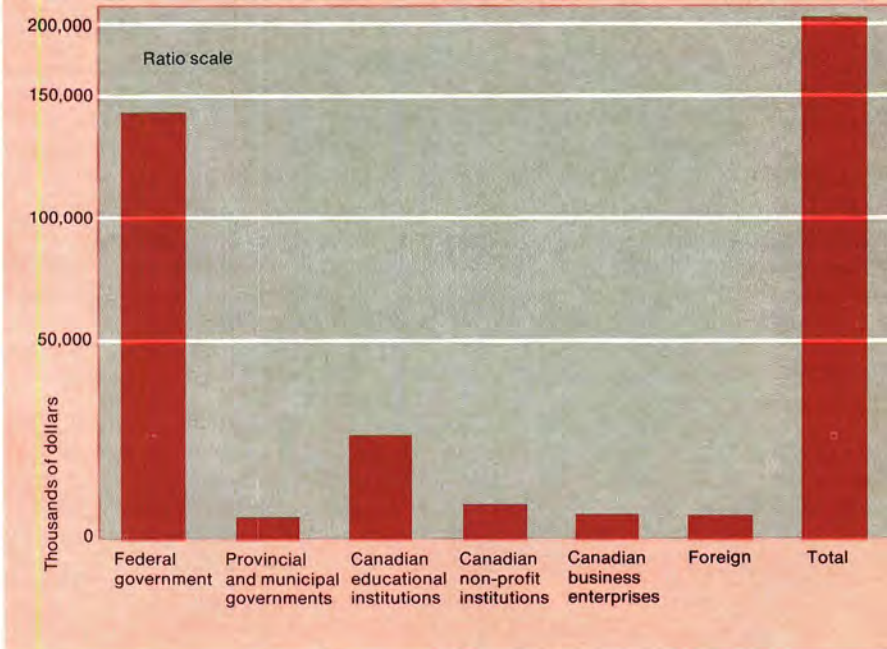


Total expenditure by activity and by sector of performance, 1972-73



In 1972-73 approximately 59%, or \$412 million, of federal government current expenditures was for work done within its own establishments. An estimated full-time equivalent of 26,393 persons employed by the federal government were engaged in scientific activities in 1972, 16,749 in R&D work. Employees in the scientific and professional category accounted for 6,534 man-years.

Almost all payments to extramural performers of scientific activities go either to Canadian industry (51% of 1972-73 current extramural expenditures) or to educational and non-profit institutions (43%). Support of industrial R&D is provided principally through a group of special programs designed to develop a research capacity in Canadian industry by assisting current R&D work. Expenditures under such programs reached \$111 million in 1972-73. Support of research in Canadian universities and related institutions is also provided primarily through grants programs, with expenditures totalling \$124 million in 1972-73.

Human sciences. In 1971 Statistics Canada conducted an experimental survey of the human and financial resources of the federal government devoted to the human sciences. Such information had become necessary not only to complement data on the natural sciences but also because of the growing importance of these disciplines in policy decisions. The results of this experimental survey were published in *Federal government expenditures on the human sciences*, Catalogue No. 13-545.

The first annual survey of federal government activities in the human sciences was conducted in 1972 and covered most of the federal departments and agencies that have expenditures in these disciplines. As in the natural science survey the resources are measured in terms of two inputs: expenditures and manpower. Data were collected for the following activities: research, general data collection, scientific information, education support and operations studies. Complete results of this survey were published in *Federal government activities in the human sciences 1971-73*, Catalogue No. 13-205.

The survey indicated that federal departments and agencies expected to spend about \$202 million for activities in the human sciences during the fiscal year 1972-73. This amount represents the total federal financial support of human science activities, whether carried out