

university laboratories to consult about local industrial and agricultural problems and many individual departments have facilities for research or assist research through the provision of financial aid to students working in those and other scientific fields. Provincial research efforts in forestry, fisheries, agriculture and mining are covered in Chapters 10, 11 and 12.

### 9.3.1 Nova Scotia Research Foundation

This body was created by the government of Nova Scotia in 1946 to provide industry and government with scientific and technical assistance in finding new and better ways to utilize the natural resources of the province and to assist the processing industries. The Foundation's laboratories are located in Dartmouth and were built with funds granted by the Atlantic Development Board on a ten-acre site donated by the province. The building was first occupied in 1969 and now houses a staff of 68 which includes 54 scientists and technicians.

The Foundation is governed by a board made up of scientists and industrialists and its operations are carried out in seven divisions. The Geophysics Division carries out gravity, seismic, magnetic, well-logging and electromagnetic surveys on land, and seismic bottom profiling and magnetic surveys at sea for industry and for government. It sponsors a program of research on the surficial geology of Nova Scotia. The Chemistry Division, through research and development, utilizes the minerals and other natural resources of the province to develop new processes and products. Contract services are available to industry and government in areas of inorganic and food chemistry, pollution control and chemical engineering.

The Operational Research Division provides a service for industry and government by utilizing the mathematical techniques of systems analysis and undertakes projects in the area of optimal resource allocation, production scheduling and distribution. The Engineering Physics Division makes available developments in applied physics to Nova Scotia industry. Emphasis is at present placed on research and development in electronic and mechanical engineering and in measurement techniques. The Technical Services Division provides technical information on materials, equipment and processes and gives industrial engineering assistance to manufacturing industries. The various sections include technical inquiries, industrial engineering and a related information centre. The Applied Biology Division carries out research on the distribution, growth, conservation and utilization of commercial seaweeds. The Division is also involved in microbiological research related to water pollution and the treatment of industrial waste waters. The Library is well stocked with scientific and technical information to aid the Research Foundation staff, industry and government.

A *Research foundation bulletin*, issued occasionally, keeps industry advised of Foundation activities and of important discoveries in science and technology. The *Research record* gives a descriptive account of past research projects. Annual reports are published on a regular basis.

### 9.3.2 New Brunswick Research and Productivity Council

The Council is a body corporate set up in 1962 by an Act of the government of New Brunswick. It is governed by an independent group of prominent citizens from management, labour and the professions, which meets four times a year. Members are appointed for three-year terms by the Lieutenant-Governor in Council, one as chairman who reports to the Premier annually. The greater part of the capital investment was provided by the Government of Canada but the province makes an annual operating grant from its Consolidated Revenue Fund. Additional funds are derived from cost-recovery fees, services under contract, sponsorship, etc. The Executive Director has charge of all matters relating to the administration of Council affairs and has supervision over and direction of the work of the staff.

The Council maintains a well-equipped centre for engineering and problem-solving, industrial research and development and, in addition to its provincially oriented projects, conducts research on a cost-recovery basis for clients in other areas of Canada and in other countries.

### 9.3.3 Quebec Industrial Research Institute

The Quebec Industrial Research Institute, established by a National Assembly Act on December 12, 1969, is a corporation as defined in the Civil Code. The Institute is composed of a Director General and 14 members from industry, university and government, appointed by the Lieutenant-Governor in Council. Its main objectives are: research in applied sciences carried out either in its own laboratories or in those of other research institutes; development