

# Record \$873,956 in grants to researchers at Dalhousie this year

Eighty-five grants worth a record total of \$873,956 have been awarded to members of the Faculty of Graduate Studies at Dalhousie University for research projects during the current academic year.

The total is \$240,707 more than the \$633,249 awarded in 70 grants

last year. Of the 85 grants, 59 worth a total of \$600,475 came from the National Research Council, and 12 worth \$107,614 were awarded by the Defence Research Board. Other sources were: Geological Survey of Canada, two, \$3,500; Fisheries Research Board, two, \$8,000; National Science Foundation, two,

\$96,400; U.S. Atomic Energy Commission, one, \$10,900; Medical Research Council, one, \$7,550; Laidlaw Foundation, one, \$10,830; National Health and Welfare, one, \$11,302; Nova Scotia Alcoholism Research Foundation, one, \$3,500; Canadian Mathematical Congress, one, \$4,000; National Mental Health, one,

\$7,385; and Uni-Royal Co. Ltd., one \$2,500.

Members of Dalhousie's Institute of Oceanography received the largest share, with a total of \$285,300 for 10 projects; they were followed by Biology, whose researchers were awarded 15 grants worth \$149,600, and Physics, whose members got 15

grants worth \$142,000.

The Psychology department members were awarded 20 grants worth \$124,461, and other totals, by department, were as follows: Chemistry, 15 grants \$94,440; Engineering physics, one, \$30,045; Geology, five, \$27,500; Computer Centre, two, \$11,500; Economics, one, \$5,000; and Mathematics, one, \$4,000.

## Halifax research facilities boon to graduate school

Dalhousie University's Faculty of Graduate Studies is fortunate in that it could depend on the co-operation and assistance of outside organizations in Halifax, which had the reputation of being one of Canada's best-equipped scientific and research centres, according to Dr. Guy R. MacLean, Dean of Graduate Studies.

But Dalhousie, despite expansion of its own facilities, was not able to do as much as it would wish to handle the increasing number of students who wanted to continue into graduate work.

Throughout the Atlantic region, said Dr. MacLean, there was a serious situation and indeed, Canada as a whole was not able to train the number of graduate students the region and nation needed urgently.

### LIBRARIES RICH

Dalhousie's facilities for graduate work, however, are good. For the humanities, the university library is rich in early printed books and Canadiana, with a number of special collections including one of the world's most comprehensive assemblies of Kipling's works, bequeathed by James McG. Stewart, and the mediaeval library of the late Professor K.G. Webster of Harvard.

The university library, founded in 1867, offers to the graduate researcher resources unparalleled in the Atlantic provinces. A book collection of 300,000 volumes, of which 200,000 directly support the program in the arts and sciences, is being increased at the rate of over 1,500 catalogued volumes a month. In the Law Library, the collection of Canadian and English statutes and reports is virtually complete and a program of acquisition of similar source materials from Commonwealth countries and from the United States is well under way. General expansion of the medical sciences library has begun with the purpose of maintaining it in the top rank as a research library.

The Public Archives of Nova Scotia, housed in a building on the campus, provides valuable material for research in the history of the province.

### WELL-EQUIPPED

In the sciences, the biology, chemistry, geology and physics laboratories are well equipped for research and the Sir James Dunn Science Building, opened in 1960 accommodates geology and physics. The old science building is now occupied by only chemistry, while biology is in the Forrest Building on the Carleton campus. The psychology laboratories are in the Arts Annex and in a large house on Oxford Street, and are equipped for all major areas of psychology. Excellent facilities, including a laboratory nursery school, are available for research with children, and arrangements exist for clinical research at Camp Hill and the Nova Scotia hospitals.

The Medical Sciences Building houses the departments of biochemistry, physiology, and pharmacology, and facilities for re-

search are also available in the Pathology Institute of the Nova Scotia department of health.

### NEW DIMENSION

The university's Institute of Oceanography has added a new dimension to the science program, its staff acting in association with the departments of biology, chemistry, geology, and physics. With sea time aboard the ocean-going research vessels an integral part of the students' summer program, facilities not available on most college campuses are provided. The Dalhousie Institute of Oceanography also works with the Atlantic Oceanography Group and the Bedford Institute of Oceanography to provide a formidable institutional combination for the study of the ocean and its life.

The Atlantic Regional Laboratory of the National Research Council works in close co-operation with the science departments, and close relations are also maintained with the Naval Research Establishment of the Defence Research Board of Dart-

mouth, the Fisheries Experimental Station (Atlantic), and the Nova Scotia Research Foundation, all of which combine to make Halifax one of Canada's outstanding scientific centres.

### MORE NEEDED

In addition, the Dalhousie Computer Centre has facilities which may be used in research projects being carried out in any part of the university, and the National Research Council assists in the support of that portion of the computing time devoted to research.

Although facilities for Dalhousie's graduate work were excellent - hospitals, laboratories, research centres -- more of the University's own facilities were needed immediately, said Dr. MacLean.

It was gratifying, however, that plans were materializing for a new library, a life sciences centre, and a physical sciences centre.

The library, said Dr. MacLean, would be one of the largest buildings on the campus and would provide seating space for more

than 2,000 students. The library, its staffing and its stocking would be a major undertaking, but when completed, it would be one of the finest libraries in North America.

### CO-OPERATION

Dr. MacLean said that a special committee was working hard on the plans of the new life sciences centre, the complex which would house the marine biology equipment and the aquatron recently announced by the university. But it was not likely that either the life sciences or physical sciences centres would be completed before three years.

### ORIENTATION —

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held during the day, to be followed that evening by a semi-formal dance.

Follow-up sessions will be held from September 19-21, in the form of buffets and discussion groups designed to analyse the progress of the freshmen, and encourage dialogue with the faculty members who will be present.

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