Macdonald Engineering Building were made possible by the removal of the laboratories of the Department of Electrical Engineering, and a hydraulic laboratory more in keeping with the importance of this subject in Canada, was established in the space so vacated. The new laboratory provides facilities for research investigations of some hydraulic problems in which flows of not over 10 c.f.s. are sufficient. Even this amount of water, however, involves the costly method of re-circulation by pumps, as the city mains cannot furnish a supply at that rate. There are, of course, many important hydraulic investigations which require greater supplies of water, but our present equipment, while planned primarily for the teaching work of the undergraduate courses, can be adapted at relatively small expense to meet most of the requirements likely to arise in handling graduate students.

It may be noted that by the co-operation of the engineers in charge of the design of the Montreal Island Power project which was recently completed, provision was made in the dam so that hydraulic testing could be undertaken at that site either by the company or by the university, should future conditions make it desirable. A large supply of water would be available under natural river flow conditions, and many investigations could be carried out there, which would be impossible in the laboratory. In studying the hydraulic features of the above project, the facilities of our laboratory were utilized to advantage by the engineers in charge, in the making of tests on models of the proposed structures.