

Macdonald Engineering Building were made possible by the a set of a new type of extensometer by Hugenberg.

Our students usually have about three months available for experimental work and the preparation of the thesis. The scope of any one investigation in the structural field must therefore be limited to what can be accomplished in that time. It has been found that specimens required for the various investigations undertaken in recent years have been readily designed under the limitations imposed by the capacities of our testing machines.

Investigations of the behaviour of structural specimens of large size can only be made with machines of a capacity far greater than that usually found in a university laboratory. Such machines are being installed in the new laboratories of the National Research Council at Ottawa, and the experience of our department in the use of testing equipment was placed at the disposal of Dr. Boyle in planning these laboratories. The training provided in our structural course for the Master's Degree develops men who are well qualified either for positions in the field of structural design, or for the experimental work such as will arise in the testing laboratories of the Research Council.

Hydraulics Laboratory.

For many years the department was handicapped by a laboratory which was entirely inadequate even for undergraduate work in hydraulics. Certain rearrangements of space in the