

REPORT ON GRADUATE WORK IN THE VARIOUS DEPARTMENTS
OF ENGINEERING OF THE FACULTY OF APPLIED SCIENCE.

by Professor E. Brown.

INTRODUCTION.

Facilities for graduate work are offered in all the departments of engineering in which the Bachelor's Degree is granted. As a rule the courses of study lead to the Master's Degree. In chemistry, a comparatively large number of students proceed to the Doctor's Degree (Ph.D.), among them being some who have graduated in chemical engineering in the Faculty of Applied Science. The majority, however, have graduated in pure chemistry in the Faculty of Arts and Science, or come from other universities.

There is an ever-widening field of opportunity for engineering graduates, and many of the largest industrial organizations appoint engineers having university training to fill the most important executive positions. Side by side with this, the rapid advance in the applications of science in industry makes it necessary to recruit men of exceptional ability and highly specialized scientific training for the engineering and operating staffs. To meet this requirement adequately, the work of the Graduate School must be strengthened. It is questionable whether it is wise for students in all branches of engineering to continue their studies in the Graduate School during the year immediately following graduation. A carefully planned course of reading, with good