

The number of students of this College who have succeeded in passing the various examinations for degrees given by the University of New Zealand are as follows: Litt.D., 2; M.A., 210; B.A., 418; D.Sc., 2; M.Sc., 16; B.Sc., 48; LL.D., 4; LL.M., 1; LL.B., 64; B.Com., 2; Mus. Bac., 4; B. Engineering (mechanical), 16; B. Engineering (electrical), 22; B. Engineering (civil), 2.

Since the foundation of the University of New Zealand the following awards in Honours and in scholarships have been gained by students from this College: Arts—Double First-class Honours, 10; First-class Honours (exclusive of above), 55. Science—Double First-class Honours, 2; First-class Honours (exclusive of above), 2; Third-year Scholarships (only awarded in 1878), 2; Senior University Scholarships, 102; John Tinline Scholarships, 9; 1851 Exhibition Science Scholarships, 4; Bowen Prizes, 21; Bowen (*proxime accesserunt*), 3; Macmillan-Brown Memorial Prizes, 2; Haydon Prize (only awarded twice), 1.

SCHOOL OF ENGINEERING.

Extracts from the Report of the Professor in Charge, R. J. Scott, M.Inst.C.E., M.Inst.M.E., M.Am.Inst.E.E.)

Engineering Travelling Scholarship.—The most important occurrence was the establishment by the University of a Travelling Scholarship in Engineering. This scholarship is of the value of £100, and tenable for one year. The regulations of the scholarship provide for the holder travelling to some other country approved of by the Chancellor, and there profitably employing his time in acquiring further knowledge of his profession. This scholarship will be of the greatest value in enabling a young man of promise to acquire a knowledge of the methods of carrying out engineering works of magnitude, at present not to be obtained in this country.

Attendance.—During the year 160 individual students attended lectures, the hour-attendances per week amounting to 935—a reduction in the numbers of the previous year. Owing mainly to the fact that at the end of 1910 the teaching of electricity was transferred from the School of Engineering to the College proper. Twenty matriculated students were studying for the University degree or for the associateship of the School of Engineering in the School of Engineering, in addition to which six engineering students were taking their preliminary year in the College. Thirty-one lectures per week were delivered, and instruction in drawing and designing, experimental work in the laboratories, and in field-work was given for 115 hours per week during the session.

Results of Examinations: University examinations. At the University examinations, 1910, one student sat for and passed in the Final Examination for the degree of B.E. (electrical); one student sat for and passed the first part of the Second Examination in Electrical Engineering, one student completed the First Professional Examination in Civil Engineering, and three students completed the first part of the First Professional Examination, and one student passed the Entrance Examination.

Associateship Examinations: At the Associateship Examinations, 1911, one student passed the Final Examination for the Associateship of the School of Engineering in Mechanical Engineering, whilst the passes in the other subjects of the associateship courses taken at the school of Engineering were: In freehand mechanical drawing, 4; descriptive geometry (advanced), 3; mechanical drawing, 3; steam-engine (elementary), 3; steam-engine (intermediate), 4; steam-engine (advanced), 1; applied mechanics, 5; mechanics of machinery, 5; hydraulics and pneumatics, 2; strength of materials (elementary), 6; strength of materials (intermediate), 2; strength of materials (advanced), 1; surveying (elementary), 3; building construction, 3; principles of civil engineering, 3; electrical engineering (intermediate), 1.

Associateship students taking subjects outside their regular course attended lectures, passed examinations, and obtained certificates in the following: Surveying (elementary), 1; principles of civil engineering, 1; and surveying (advanced), 1.

Appointments obtained by Students.—During the year the demand for students trained at the School of Engineering has exceeded the number available.

Changes in the Staff.—Mr. M. W. Mehaffey, B.E. (Mech.), having resigned the position of Demonstrator at the School of Engineering to take up the practice of his profession, Mr. P. G. Bamford, B.E. (Mech.), was appointed to fill the vacancy.

Survey and Geological Camp.—A combined survey and geological camp, under the joint control of the Lecturers in surveying and geology, was established at Castle Hill for a week during the long vacation. This camp was attended by ten students. A very considerable amount of work was done, and the innovation proving in every way successful, similar camps of longer duration will be a feature of each long vacation.

Testing.—During the year tests were made in the engineering laboratories on wire rope for the Public Works Department, bridge-bolts for the New Zealand Government Railways, dumping-bands for the Wellington Harbour Board, drain-pipes for the Timaru Borough Council, rolled bars for the Otago Rolling Mills, concrete blocks for Auckland City Council, and on bronze, roofing-tiles, pipes, chain-link, granite, cement, and wire rope for private individuals and firms.

Apparatus.—The plant having been carefully upkept, and having received no accidental damage, there has been little deterioration during the year.