

*Evening Students.*—Sixty-five certificates were awarded to students who attended lectures and passed examinations in the following subjects: Freehand mechanical drawing; descriptive geometry and setting-out work; mechanical drawing, section I; mechanical drawing, section II (mechanical); mechanical drawing, section II (electrical); mechanical drawing, section II (civil); mechanical drawing, section III (mechanical); steam-engine (elementary); applied mechanics (elementary); strength of materials (elementary); building-construction; electrical engineering (elementary); workshop practice theory.

During the year the following appointments were obtained by past students: Designing Engineer, Public Works Department, Wellington; Chief Draughtsman, Victorian Railways Australia; Assistant Engineer, Public Works Department, Christchurch; Testing Electrical Engineer, City Council, Christchurch; Resident Engineer, Public Works Department, Napier; Instructor in Electrical Engineering, Technical College, Christchurch; electrical engineer with Auckland firm; Assistant Engineer, Public Works Department, Christchurch; County Engineer, Swan Hill, Australia; Mechanical Engineer, Borough Council, Lyttelton; Chief Engineer, H.M.A.S. "Una"; engineer on warship at the Dardanelles; commissions in Army (two).

During the year tests were made in the engineering laboratories on steel bars and marble, for the Public Works Department; cement and cast steel, for the New Zealand Government Railways; dumping-bands, for the Wellington Harbour Board; condenser-tubes, for the Union Steamship Company; insulators, for the Invercargill tramways; hemp rope, for Lloyd's Surveyor; boiler plate and wire rope, for the Government Inspection of Machinery Department; suspension-bridge cable, for the Vincent County Council; steel bars, for the Dunedin Drainage Board; and on coal, sand-lime bricks, concrete, stone, steel, and electrical meters and condensers, for private firms.

The recent extensions have provided an additional lecture-room, enabling room B to be wholly devoted to drawing—this has proved of great value to students; an applied mechanics laboratory, in which the subject has now definite quarters; a reference library and reading-room, which supplies a long-felt want; comfortable rooms for members of the staff; a workshop, and a pneumatics laboratory. The accommodation is now ample for the training of all the engineers likely to be required by the Dominion for some years to come. Bearing on this fact it may be stated that an application for recognition of the Auckland University College as a college at which the first two years of the engineering course might be taken was again made to the University Senate, which decided that the request could not be granted. The Council of the Institution of Civil Engineers have made clear their disapproval of the proposal, the acceptance of which, it is stated, would involve a reconsideration of the recognition now given to the New Zealand degree. This should finally settle the matter.

During the visit of the Professor in Charge to England arrangements were made for the supply of a complete experimental freezing plant. The theory of refrigeration, bearing as it does on the most important industry of the country, has for many years been taught at the School of Engineering, and it is satisfactory to note that old students occupy important positions in connection with the industry. The presence of this new experimental plant will greatly enhance the value of the theoretical instruction given here. The plant was designed and constructed by Messrs. Hall (Limited), of Dartford, and supplied on exceptionally favourable terms. Other additions to apparatus comprise a 40 horse-power experimental Daimler sleeve valve; a petrol engine; an Ingersoll air-compressor; a sand-blast apparatus; a demonstration lantern; a set of Burnham pitot tubes; apparatus designed by the Professor in Charge for research work in connection with hydraulic friction and the efficiency of water-wheel vanes, and buckets. This was locally manufactured, as was also an experimental pipe range for determining the frictional losses in various sizes of pipes.

A large number of engineering students have volunteered and left for the front. The holder of the University Engineering Travelling Scholarship for 1914 (Mr. T. D. Smith) enlisted in the Northumberland Dragoons shortly after the declaration of war, was through the heavy fighting in Belgium, and has now obtained a commission. The holder of the 1912 Travelling Scholarship also enlisted in England, whilst eleven matriculated and eleven evening students who were on the books of the School of Engineering in 1914 have also gone to the front, where there are also about twenty of our old students.

During the year Mr. I. Dahner, who did excellent work as demonstrator in electrical engineering, left to take up a position on the Public Works staff at the Lake Coleridge power-station. He was succeeded here by Mr. G. MacIndoe, who graduated from the school. Mr. E. N. Webb, who temporarily occupied the position of demonstrator, left at the end of the session, and Mr. A. Plowman, Grad.I.E.E., was appointed to the position of professor's demonstrator. The thanks of the Professor in Charge are due to the members of the staff, who have united in devoting their best energies to the furtherance of the work of the school.

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