

1917.
NEW ZEALAND.

EDUCATION: HIGHER EDUCATION.

[In continuation of E.-7, 1916]

Presented to both Houses of the General Assembly by Command of His Excellency.

CONTENTS

No. 1.—Extract from the Fortieth Annual Report of the Minister of Education (E.-1)	Page .. 2
No. 2.—Reports of the University of New Zealand and of Affiliated Institutions:—	
A. Report of the University of New Zealand	7
B. Report of the Auckland University College	10
C. Report of the Victoria University College	12
D. Report of the Canterbury College.. .. .	15
E. Report of the University of Otago	19
F. Report of the Canterbury Agricultural College	22
No. 3.—Detailed Tables:—	
Students on the Books of Affiliated Institutions	24
Courses taken by Students	25
Scholarships, Bursaries, &c.	25
Summary of Accounts of Affiliated Institutions	26

HIGHER EDUCATION.

No. 1.—EXTRACT FROM THE FORTIETH ANNUAL REPORT OF THE
MINISTER OF EDUCATION.

HIGHER EDUCATION.

NEW ZEALAND UNIVERSITY AND AFFILIATED COLLEGES.

The New Zealand University, the body which has general control of higher education in New Zealand, was founded by the New Zealand University Acts of 1870, 1874, and 1875. In 1876 the University was recognized by Royal charter as entitled to grant the degrees of Bachelor and Master of Arts, and Bachelor and Doctor in Law, Medicine, and Music. The Amendment Act of 1883, and the supplementary charter issued in December of the same year, added the degrees of Bachelor and Doctor of Science. Moreover, in 1904 the University Degrees Act gave the University authority to confer degrees of Doctor of Literature, Master of Laws, Surgery, and Science, and Bachelor, Master, and Doctor of Veterinary Science, Dental Surgery, Mechanical, Electrical, Civil, Mining, and Metallurgical Engineering, Naval Architecture, Agriculture, Public Health, and Commerce. For these latter no further charter has been given, so that nominally they must be considered as having currency only in New Zealand.

The affairs of the University are controlled by three Courts—the Senate, the Board of Studies, and the General Court of Convocation, which consists of members of the four District Courts of Convocation. The Senate consists of twenty-four members or Fellows—four elected by the Governor in Council; eight by the governing bodies of the four affiliated institutions, two by each; four, one each, by the Professorial Boards; and eight, two each, by the four District Courts of Convocation, consisting of the graduates belonging to the several University districts. The Board of Studies consists of twenty members, five of whom are appointed by each of the Professorial Boards of the four institutions affiliated to the University. The District Courts of Convocation consist of graduates of the University.

The Senate has the entire management of and superintendence over the affairs, concerns, and property of the University and subject to certain provisions relating to the Board of Studies, has power to alter all statutes and regulations. The Board of Studies has power to make recommendations to the Senate as to the appointment of examiners, and as to degrees, diplomas, scholarships, prizes, courses of study, and examinations. The chief function of the General Court of Convocation is to discuss matters relating to the University and to declare its opinion on any such matter.

The revenue of the University is derived mainly from a statutory Government grant of £3,000 per annum, from fees and from interest on investments. In addition there is paid to it in trust a certain proportion of the national-endowment income for distribution among the four affiliated institutions towards the support of libraries, the establishment of new Chairs, and towards the extension of their work in other ways. The amount received from this source in 1916 was £2,866.

The University is an examining, not a teaching, body, and four teaching institutions are affiliated to it—the Auckland University College, Victoria University College, Canterbury College, and Otago University, situated in the cities of Auckland, Wellington, Christchurch, and Dunedin respectively. The affairs of these University colleges, including the appointment of professors and lecturers, are entirely in the hands of the various Councils. Each of the colleges specializes in certain directions. Otago University has medical and dental schools, a school of mining and metallurgical engineering, and a school of home science; Canterbury College has a school of engineering (mechanical, electrical, and civil); Auckland University College has a school of mines and a school of commerce; and Victoria University College specializes in law and science.

Auckland University College and Victoria University College each receive an annual statutory grant of £9,000, while Canterbury College receives £2,000,

and Otago University £5,000. The two latter institutions are endowed with reserves of land. In addition a certain proportion of the income from the National Endowment Fund for the purposes of education is paid directly to the four affiliated institutions. In 1916 the sum paid to each out of the fund amounted to £1,433. There is also provision for the payment under regulations of a Government subsidy on voluntary contributions to the funds of the institutions affiliated to the University of New Zealand, and special grants are made from time to time for buildings and equipment.

The total amount paid by the Government on account of the University of New Zealand and the affiliated colleges for the year 1916–17 was £54,453.

NEW ZEALAND UNIVERSITY.

The University conducted examinations in 1916 in the faculties of arts, science, medicine, public health, dentistry, home science, law, engineering, commerce, agriculture, and music, and for admission to the legal and accountants' professions. The table below gives the numbers qualifying for degrees and scholarships from the four University Colleges :—

NUMBER OF SUCCESSFUL CANDIDATES AT THE EXAMINATIONS FOR DEGREES IN 1916.

Degrees, &c.	Auckland University College.			Victoria University College.			Canterbury College.			Otago University.			Total.			
	M.	F.	Total.	M.	F.	Total.	M.	F.	Total.	M.	F.	Total.	M.	F.	Total.	
Doctor of Medicine	2	..	2	2	..	2	
Doctor of Science	1	..	1	..	..	..	1	..	1	
Honours in Arts..	1	1	2	4	6	3	1	4	4	3	7	10	8	18	
Honours in Science	1	1	..	..	..	..	..	..	2	1	3	3	1	4	
Honours in Laws	3	..	3	..	..	..	1	..	1	4	..	4	
Master of Arts	1	1	2	1	1	2	..	..	1	..	1	3	2	5	
Master of Laws	1	..	1	..	..	..	1	..	1	2	..	2	
Bachelor of—																
Arts	4	2	6	7	8	15	8	4	12	6	6	12	25	20	45
Science	4	2	6	1	..	1	2	..	2	3	..	3	10	2	12
Medicine and Surgery	3	2	5	3	2	5	
Dental Surgery	2	..	2	2	..	2	
Laws	5	..	5	6	..	6	1	..	1	3	..	3	15	..	15
Music	1	1	..	..	..	..	1	1	
Commerce	2	..	2	2	..	2	
Engineering (Civil)	1	..	1	..	..	..	1	..	1	
(Electrical)	1	..	1	..	..	..	1	..	1	
Bachelor of Science in Home Science	3	3	..	3	3	3	
Senior University Scholarships ..	3	2	5	1	1	2	1	..	1	3	1	4	8	4	12	
John Tinline Scholarships	1	1	..	1	1	1	
Totals, 1916	19	7	26	22	14	36	18	6	24	33	17	50	92	44	136	
Totals, 1915	15	6	21	27	12	39	19	13	32	55	24	79	116	55	171	

In addition to these successes, 560 candidates passed sections of the examinations for degrees or for admission to professions; thirty gained certificates of proficiency, and twenty-six passed the examination for book-keepers. There were 1,546 candidates for the Matriculation Examination, of whom 674 passed the whole examination, 111 completed partial passes, and 107 gained partial passes. In a number of cases the Senate granted passes in sections or in individual subjects to students who have enlisted.

The following table shows the principal items of income and expenditure of the University of New Zealand for the years 1915 and 1916 :—

	Income.			Expenditure.	
	1915.	1916.		1915.	1916.
Balances—	£	£		£	£
General Account ..	4,668	2,933	Scholarships	2,093	2,043
Scholarship Account ..	26,743	27,457	National endowment ..	3,089	2,866
			Examinations	7,796	7,079
	31,411	30,390	Office salaries	983	926
Statutory grant ..	3,000	3,000	Expenses of Senate meetings	781	650
National endowment ..	3,089	2,865	Miscellaneous	1,452	1,261
Fees	7,668	7,651	Rent .. ..	..	159
Interest	1,329	1,135	Defalcations .. ..	..	985
Miscellaneous	87	200	Balances	30,390	29,272
	<u>£46,584</u>	<u>£45,241</u>		<u>£46,584</u>	<u>£45,241</u>

In the above statement no account has been taken of special scholarships and prize funds. The balance at the end of the year, £29,272, consists of a balance on the General Scholarships Account of £27,188, and a balance on the General Account of £2,084. The amount in hand for general purposes was therefore £2,084, of which amount the English agent holds £2,056 with which to meet the examination expenses of 1916.

AFFILIATED COLLEGES.

(Tables M1 and M2.)

The number of students in attendance at the four University Colleges in 1916 was 1,890, as compared with 1,936 in the year 1915 and 2,144 in the year 1914. The decrease in numbers occurs only in the case of male students, and is, of course, due to the absence of a large number of students on military service. The students are classified as follows: Graduates, 78; undergraduates, 1,252; non-matriculated students, 560; and according to sex—males, 1,092; females, 798. In addition to the matriculated students mentioned above, there were ninety-five students attached to the various University colleges but exempt from lectures—that is, they were prevented by distance or by the necessity of earning their living from attending lectures at the college, but were allowed to keep terms, except in certain science and professional subjects, by passing the annual college examination.

With respect to the courses taken by University students it appears that about 47 per cent. took the arts course or subjects for teachers' certificates, 14 per cent. the medical and dental courses, 11 per cent. the law course, 10 per cent. engineering courses, 6 per cent. science courses, 5 per cent. commercial courses, 4 per cent. music, and 3 per cent. home science. There were in addition forty-two students studying agriculture at the Lincoln Agricultural College, the number also being smaller than usual owing to the enlistment of all eligible students.

The total staff of the four University colleges consisted in 1916 of forty-five professors and eighty-three lecturers. The following table shows the staff of the several institutions:—

PROFESSORS AND LECTURERS.					Professors.	Lecturers, Demonstrators, and Assistants.
Auckland University College	...	...	...	...	9	15
Victoria University College	...	...	...	...	8	15
Canterbury College	...	...	...	...	10	18
Otago University	...	...	...	...	18	35*
Totals	...	...	...	...	45	83

* Also the honorary staff of the Dunedin Hospital act as lecturers on clinical medicine and clinical surgery.

The average salary of full-time professors was £710 per annum.

FINANCES OF THE AFFILIATED INSTITUTIONS IN 1916.

Table M4 gives a summary of the receipts and expenditure of the University colleges, excluding special trust accounts and the accounts of non-university institutions under the control of a College Council, such as, for instance, the museum, public library, or school of art connected with Canterbury College, or the museum controlled by the Otago University. The total income was £102,448, and the total expenditure £94,987. The expenditure on administration was £6,315, on salaries £50,281, and on buildings £26,685. The expenditure on buildings was chiefly in connection with the Medical and Home Science Schools at the University of Otago and the Physical Laboratory and offices at Canterbury College.

SCHOLARSHIPS, BURSARIES, ETC.

Scholarships.

University scholarships may be divided into three broad classes: (1) Entrance scholarships, (2) scholarships awarded during the degree course, (3) post-graduate scholarships.

(1.) University entrance scholarships are awarded annually on the results of the University Junior Scholarship Examination, and are as follow : University Junior, University National, and Taranaki Scholarships, in addition to some thirty or forty local and privately endowed scholarships awarded on the results of the same examination. Of the candidates for the Entrance Scholarship Examination in 1916, ten gained Junior Scholarships, twenty gained National Scholarships, one gained a Taranaki Scholarship, forty-nine passed "with credit," and twenty-two qualified for Matriculation. In addition to the scholarships, and partly in connection therewith, a scheme of bursaries entitling students to free tuition is also in operation, as set out in detail below.

(2.) Scholarships awarded during the degree course are : Senior University Scholarships tenable by candidates for Honours, and awarded on the papers set for repeated subjects in the Bachelor of Arts and Bachelor of Science Examinations; John Tinline Scholarship, awarded on the papers in English of the Senior Scholarship Examination; a number of privately endowed scholarships open to students of the various colleges.

(3.) The chief scholarships awarded at the end of the University course are the Rhodes Scholarship, the 1851 Exhibition Scholarship, the Medical Travelling Scholarship, and the National Research Scholarships. The first three are all travelling scholarships—that is, they are tenable abroad. The Research Scholarships are each of the value of £100 per annum, with laboratory fees and expenses. By the University Amendment Act of 1914, the National Research Scholarships are now placed under the control of the University of New Zealand.

So far fifteen Rhodes Scholarships have been granted, of which five have been gained by students of Auckland University College, four by students of Otago University, four by students of Victoria University College, and two by students of Canterbury College. Two scholarships were awarded in 1917 on account of the 1916 scholar, Athol Hudson, B.Sc., having been killed while on active service. The 1917 scholars are Arthur O. Ponder, B.A., of Canterbury College, and Alex. F. Meldrum, LL.B. of Victoria College, the latter being on active service.

So far (1917) eighteen Research Scholarships have been awarded. Of these, five were in active operation in 1916. The subjects of research undertaken have been in each case closely connected with some New Zealand industry, or with some industry which, though not yet undertaken in this Dominion, may at an early date be an industry of importance in New Zealand. Of recent years the inclination of Professorial Boards has been to endeavour to arrange for new research scholars to carry on the work as from the stage at which it has been left by former students.

The following are the subjects approved for the Research Scholarships which were in operation in 1916 :—

Auckland University College: The dissolution of gold by solutions of sodium cyanide, with special reference to the dissolution of gold in colloidal condition.

Canterbury College: (1) A systematic examination of the refractory clays, &c., of the Canterbury District, with special reference to their use for fire-bricks and furnace-linings; (2) the New Zealand brown coals, with special reference to their use as gas-producers and for distillation purposes.

Otago University: (1) The volatile constituents of red-pine and other New Zealand timbers, with the object of determining how the timber can be improved by chemical treatment; (2) an investigation of the copper-deposits of Otama, Gore.

University Bursaries.

University bursaries are awarded under the University Amendment Act, 1914, on the credit pass in the University Junior Scholarship Examination or on a higher leaving-certificate qualification, and entitle the holders to exemption from the payment of tuition and examination fees (not exceeding £20 per annum) during a three (or possibly four) years' course at a University college

or school of agriculture recognized by the University. The number of University bursars in 1916 was 260, of which number 51 completed the three years' tenure of their bursaries. The amount expended on tuition and examination fees on account of these bursars was £3,946 13s. 3d., the cost per head being £15 3s. 2d.

Educational Bursaries.

Educational bursaries are awarded under the Education Act, 1914, and any matriculated student is entitled to one who—

- (i.) Has within the six months immediately preceding satisfactorily completed his term of service as a pupil-teacher or probationer, and declares his intention of entering a recognized training college on the completion of the tenure of his bursary; or
- (ii.) Has satisfactorily completed his course of training at a recognized training college and gained a trained-teachers' certificate; or
- (iii.) Has otherwise gained a teacher's certificate of a class not lower than Class C.

These bursaries are tenable for three years, with possibly two yearly extensions, at a University college or recognized school of agriculture. The classes taken must be such as to form part of a course in arts, science, or agriculture, and proof of satisfactory progress must be given.

The number of educational bursars in 1916 was fifty-five (as compared with 84 in 1915), of which number eight completed the three years' tenure of their bursaries. In addition fourteen holders of bursaries were absent on military service. The amount expended on tuition and examination fees on account of educational bursaries was £474 15s., the cost per head being £8 9s.

Domestic-science Bursaries.

Domestic-science bursaries tenable at the Otago University may be awarded under the regulations for Manual and Technical Instruction. Applicants for the bursaries must have been resident in the Dominion for not less than twelve months, and must have—

- (1.) Passed the Matriculation Examination or some other examination approved for the purpose; or
- (2.) Obtained at least a partial pass in the examination for the Class D teachers' certificate; or
- (3.) Gained a higher leaving-certificate or, in the case of pupil-teachers or probationers, a lower leaving-certificate.

Applicants are required to make a declaration that they will on completion of their course engage in teaching for not less than three years.

The term of a bursary is two (or possibly three) years. The bursar receives £20 per annum, together with the fees for the course for the degree or the diploma in home science and domestic arts, and, if obliged to live away from home, an allowance of £30 per annum.

Bursaries of this kind were awarded to ten students in 1916, making in all twenty-one bursars in attendance at classes. Twelve bursars took the course for the degree, and nine the course for the diploma. The degree of Bachelor of Science in home science was conferred on three students, while one qualified for the diploma. Since the bursaries were established in 1912 fourteen positions of teachers of domestic science have been filled by bursars.

Agricultural Bursaries.

Towards the end of the year 1916 arrangements were made in co-operation with the Agricultural Department for the granting of agricultural bursaries to qualified candidates in order to enable them to obtain the necessary practical training for positions as teachers or agricultural instructors, as officers of the Department of Agriculture, or as farmers. After completion of their training the bursars will be under a legal obligation to serve for a term of three years in one or other of these capacities.

Bursaries will be tenable at an experimental farm or other approved institution for two years, with a possible extension to a third year. The qualifi-

cation for a bursary will be Matriculation or a higher or lower leaving-certificate, and the bursars will, if possible, be required to have received agricultural instruction during their secondary-school course.

Provision will also be made in connection with the agricultural-bursary scheme for selected ex-students of training colleges to receive training, if they desire, along with the other agricultural bursars, but for somewhat shorter periods.

The proposed payment to bursars is £20 per annum, with free tuition and, if the bursar is obliged to live away from home, a lodging-allowance of £30 per annum. The bursaries will be first awarded in 1917.

THE WORKERS' EDUCATIONAL ASSOCIATION.

In the distribution to University colleges of the moneys received by the University from the National Endowment Fund, £300 was allocated in each case for the establishment and maintenance of the Workers' Educational Association tutorial or University extension classes. Branches of this association have been established in six of the larger towns, and tutorial classes in such subjects as economics, history, industrial law, English, electricity, debating, and chairmanship, conducted in some cases by University-college professors or lecturers, are in operation for the better education of working men and women.

No. 2.—REPORTS OF THE UNIVERSITY OF NEW ZEALAND AND OF AFFILIATED INSTITUTIONS.

A. REPORT OF THE UNIVERSITY OF NEW ZEALAND, 1916.

Visitor.—His Excellency the Governor-General.

Chancellor.—His Honour Sir Robert Stout, K.C.M.G., LL.D., Chief Justice.

Vice-Chancellor.—John Macmillan Brown, Esq., M.A., LL.D.

The Senate.

Appointed by His Excellency the Governor in Council—W. J. Anderson, Esq., M.A., LL.D.; H. F. von Haast, Esq., M.A., LL.B.; H. A. Gordon, Esq., F.G.S., M.Inst.M.E., A.M.Inst.C.E.; and The Hon. W. E. Collins, M.B., M.R.C.S. Eng.

Appointed by governing bodies of affiliated institutions—J. Malcolm, Esq., M.D., Ch.B.; Rev. W. Hewitson, B.A.; R. J. Scott, Esq., M.Inst.C.E., M.Inst.M.E., F.A.Inst.E.E.; J. C. Adams, Esq., B.A.; H. J. D. Mahon, Esq., B.A.; Hon. J. A. Tole, B.A., LL.B., K.C.; His Honour Sir R. Stout, K.C.M.G., LL.D., Chief Justice; and Rev. W. A. Evans.

Appointed by Professorial Boards—W. B. Benham, Esq., D.Sc., F.R.S.; C. Chilton, Esq., M.A., D.Sc., C.M., F.L.S.; H. W. Segar, Esq., M.A.; H. B. Kirk, Esq., M.A.

Elected by District Courts of Convocation—Rev. A. Cameron, B.A.; J. M. Brown, Esq., M.A., LL.D.; J. W. Tibbs, Esq., M.A.; Dr. W. C. W. McDowell, B.A., M.D., C.M.; H. H. Ostler, Esq., LL.B.; J. Hight, Esq., Litt.D., F.R.E.S.; P. Marshall, Esq., M.A., D.Sc., F.G.S., F.R.G.S.; and T. A. Hunter, Esq., M.A., M.Sc.

Registrar.—E. T. Norris, Esq., M.A.

ANNUAL REPORT OF THE SENATE.

In compliance with the 31st clause of the University Act, the Senate makes the following report to His Excellency the Governor-General of the proceedings of the University since the date of the last report:—

Pursuant to the provisions of the University Act, the Senate met at Auckland in annual session on the 17th January, 1917, and at that session made certain amendments to the University statutes. These amendments have been submitted to His Excellency for his approval.

Special meetings of the Senate were held in April, May, June, and October, 1916.

During the year the following degrees were conferred: Doctor of Literature, 1; Doctor of Science, 1; Doctor of Medicine, 2; Master of Arts, 35; Bachelor of Arts, 47; Master of Science, 3; Bachelor of Science, 16; Master of Laws, 4; Bachelor of Laws, 14; Bachelor of Medicine and Bachelor of Surgery, 25; Bachelor of Dental Surgery, 1; Bachelor of Commerce, 3; Bachelor of Science in Home Science, 4.

The usual examinations were held in February, March, May, July, September, October, November, and December, 1916, in the faculties of arts, science, medicine, public health, dentistry, home science, law, engineering, commerce, agriculture, and music, and for admission to the legal and accountants' professions. At these examinations 101 students qualified for degrees; 560 passed sections of the examinations for degrees or for admission to a profession; 30 gained certificates of proficiency, and 26 passed the examination for book-keepers. Of the

candidates who qualified for degrees 18 gained Honours in Arts, 4 Honours in Science, and 3 Honours in Law; 12 were awarded Senior Scholarships, and 1 the Tinline Scholarship. Of the candidates for Entrance Scholarship Examinations, 10 gained Junior Scholarships, 20 gained National Scholarships, 1 gained a Taranaki Scholarship, 49 passed "with credit" and qualified for Matriculation and the Solicitors' General Knowledge Examination, and 22 qualified for Matriculation. There were 1,546 candidates for the Matriculation Examination, of whom 674 passed the whole examination, 111 completed partial passes, and 107 gained partial passes.

In a number of cases the Senate has, in pursuance of its powers under the New Zealand University Amendment Act, 1915, granted to students who have enlisted passes in sections or in individual subjects.

The moneys to be administered by the University under section 32 (b) of the New Zealand University Amendment Act, 1914, were distributed as follows: One-fourth to each affiliated institution as follows:—

- (1.) To Auckland University College, the sum of £300 for carrying on the work of the Workers' Educational Association and for University extension classes, and the balance for the College library, the science laboratories, and the School of Architecture.
- (2.) To Victoria University College, the sum of £300 for carrying on the work of the Workers' Educational Association and for University extension classes, and the balance for founding a School of Economics.
- (3.) To Canterbury College, the sum of £300 for carrying on the work of the Workers' Educational Association and for University extension classes, and the balance for the College library.
- (4.) To the University of Otago, the sum of £300 for carrying on the work of the Workers' Education Association and for University extension classes, and the balance for the Chair of Economics and History and for the Library.

In exercise of its statutory functions the Board of Studies met in Wellington in November, 1916. Some of its recommendations were dealt with by the Senate at its annual session; the remainder are still under consideration.

ACCOUNTS AND BALANCE-SHEETS FOR THE YEAR ENDED 31ST DECEMBER, 1916.

GENERAL ACCOUNT.

									£	s.	d.
Statutory grant .. .. .	..	..	..	..	..	..	..	..	3,000	0	0
Degree fees .. .. .	..	..	..	..	..	..	..	..	642	12	0
Examination fees .. .. .	..	..	..	..	..	..	..	..	6,456	18	0
Admission <i>ad eundem</i> .. .. .	..	..	..	..	..	..	..	..	12	12	0
Certificates .. .. .	..	..	..	..	..	..	..	..	129	13	0
Medical registration .. .. .	..	..	..	..	..	..	..	..	132	6	0
Scholarship matriculating .. .. .	..	..	..	..	..	..	..	..	19	19	0
Bursars' examination fees .. .. .	..	..	..	..	..	..	..	..	256	17	0
General .. .. .	..	..	..	..	..	..	..	..	186	18	8
National endowments .. .. .	..	..	..	..	..	..	..	..	2,865	13	11
Suspense Account .. .. .	..	..	..	..	..	..	..	..	11	18	9

£13,715 8 4

Payments.

Senate sessions	650	6	5
Office expenses	1,085	5	0
Printing, stationery, and sundries	1,260	13	1
Examinations—			
February	282	14	3
Special	20	0	0
May	225	12	4
April	360	18	1
July	198	19	1
November	1,921	8	7
December	2,335	3	8
English agency	1,733	16	7
Transfers to Ordinary Scholarship Account	1,500	0	0
National endowments	2,865	13	11
Defalcations written off	123	11	7

£14,564 2 7

BALANCE-SHEET.—GENERAL ACCOUNT.

<i>Dr.</i>	£	s.	d.	<i>Cr.</i>	£	s.	d.
Balance from 1915	2,932	19	9	Payments of 1916, as per list above	14,564	2	7
Receipts for 1916, as per list above ..	13,715	8	4	Balances as under—			
				Imprest, English agent ..	2,055	13	6
				Petty cash	1	19	8
				Post Office Savings-bank deposits	865	0	3
				Due by other accounts ..	1,000	0	0
				Bank account (£794 12s. 8d., less unrepresented cheques, £383 0s. 7d.)	411	12	1
					4,334	5	6
				Due to other accounts—			
				Ordinary Scholarship	2,250	0	0
					2,084	5	6
	£16,648	8	1		£16,648	8	1

BALANCE-SHEET—ORDINARY SCHOLARSHIP ACCOUNT (INCLUDING INVESTMENTS).

Dr.	£	s.	d.	Cr.	£	s.	d.
Balance from 1915	27,456	19	9	Payments, 1916, as per list above ..	2,905	6	9
Receipts of 1916	2,636	5	6	Balances—			
				Cash in bank (£45 17s. 2d.;			
				less unpaid cheques, £ s. d.			
				£24 10s.)	21	7	2
				Loans on mortgage, as per			
				list	23,500	0	0
				Fixed deposits at $4\frac{1}{2}$ per cent.	1,000	0	0
				Post Office Savings-bank ..	1,375	6	11
				Due by other accounts ..	2,250	0	0
				Interest due and unpaid			
				(£68 4s. 5d. less paid in			
				advance, £27)	41	4	5
					28,187	18	6
				Less due to General Ac-			
				count	1,000	0	0
					27,187	18	6
	£30,093	5	3		£30,093	5	3

BALANCE-SHEET ON ALL ACCOUNTS.

Dr.	£	s.	d.	Cr.	£	s.	d.
Balance from 1915	30,341	2	6	Payments, 1916—			
Plus imprest	1,979	2	7	General Account	14,564	2	7
Receipts, 1916—				Ordinary Scholarship Account ..	2,905	6	9
General Account	13,715	8	4	John Tinline Scholarship Account ..	60	16	
Ordinary Scholarship Account ..	2,636	5	6	Senior National Scholarship Account ..	7,086	15	3
John Tinline Scholarship Account ..	80	5	0	Bowen Prize Account	10	0	0
Senior National Scholarship Account ..	7,726	18	3	Balances—			
Macmillan-Brown Memorial Prize Account ..	6	5	3	General Account	28	12	0
Bowen Prize Account	6	17	1	Ordinary Scholarship Account ..	2,687	18	6
Cook Prize Account	8	7	8	John Tinline Scholarship Account ..	98	2	2
Habens Prize Account	8	1	5	Senior National Scholarship Account ..	4	6	10
Von Haast Prize Account	11	12	1	Bowen Prize Account	19	8	0
				Macmillan-Brown Prize Account ..	28	8	6
				Cook Prize Account	12	6	1
				Habens Prize Account	17	10	5
				Von Haast Prize Account	20	19	1
				Imprest, English agency	2,055	13	6
				Investments	26,860	0	0
				Cash defalcations, late Registrar ..	60	0	0
	£56,520	5	8		£56,520	5	8

LIST OF INVESTMENTS.

Ordinary Scholarship Account—				£
Loans on mortgage—				
At $4\frac{1}{2}$ per cent.	..	..	..	8,000
At 5 per cent.	..	..	..	1,200
"	..	..	..	2,000
"	..	..	..	2,000
"	..	..	..	2,200
"	..	..	..	2,100
"	..	..	..	1,000
"	..	..	..	900
At $5\frac{1}{2}$ per cent.	..	..	..	1,100
"	..	..	..	250
"	..	..	..	550
At 6 per cent.	..	..	..	1,200
"	..	..	..	1,000
Fixed deposit .. .. .	..	..	..	1,000
John Tinline Scholarship Account—				
Loan on mortgage at 5 per cent.	..	..	..	1,200
Fixed deposit at $4\frac{1}{2}$ per cent.	..	..	..	450
Macmillan-Brown Prize Account—				
Fixed deposit at $4\frac{1}{2}$ per cent.	..	..	..	110
Bowen Prize Account—				
Fixed deposit at $4\frac{1}{2}$ per cent.	..	..	..	120
Cook Prize Account—				
Fixed deposit at $4\frac{1}{2}$ per cent.	..	..	..	120
Von Haast Prize Account—				
Fixed deposit at $4\frac{1}{2}$ per cent.	..	..	..	250
Habens Prize Account—				
Fixed Deposit at $4\frac{1}{2}$ per cent.	..	..	..	110
				£26,860

E. T. NORRIS, Registrar.

Examined and found correct.—R. J. COLLINS, Controller and Auditor-General.

B. REPORT OF THE AUCKLAND UNIVERSITY COLLEGE, 1916.

Visitor.—The Hon. the Minister of Education.

Members of Council.

Appointed by His Excellency the Governor-General in Council—Hon. G. Fowlds; Rev. J. H. Simmonds; G. L. Peacocke, Esq.

Appointed by the Professorial Board—Professor H. W. Segar, M.A.; Professor C. W. Egerton, M.A.

Elected by members of the Legislature—Hon. J. A. Tole, B.A., LL.B., K.C.; J. F. Hosking, Esq.; T. W. Leys, Esq.

Elected by graduates—H. D. Bamford, Esq., B.A., LL.D.; W. C. W. McDowell, Esq., B.A., M.D., C.M.; T. U. Wells, Esq., M.A.; H. J. D. Mahon, Esq., B.A.

Appointed by the Auckland City Council—J. H. Gunson, Esq., Mayor.

Appointed by the Auckland Education Board—G. J. Garland, Esq.

Staff.

Professors.—Classics—H. S. Dettmann, M.A., B.C.L. English—C. W. Egerton, M.A. Modern Languages—M. Walker, M.A., B.Com. Mathematics—H. W. Segar, M.A. Chemistry—F. P. Worley, M.A., D.Sc., D.I.C., F.C.S. Physics—G. Owen, M.A., D.Sc. General Biology, Botany, and Zoology—J. C. Johnson, M.A., M.Sc., M.B., B.Ch. History and Economics—J. P. Grossmann, M.A.; Music—W. E. Thomas, Mus. Doc.

Lecturers, nine. Assistant lecturers, four. Demonstrators, two. Assistants, two.

Registrar.—Rev. Chas. M. Nelson, M.A. (retiring 28th February, 1917.)

REPORT.

The CHAIRMAN OF THE BOARD OF GOVERNORS to the MINISTER OF EDUCATION.

SIR,—

Auckland University College, 20th July, 1917.

In pursuance of the provisions of the Auckland University College Act, 1882, the Council has the honour to make the following report for the year 1916:—

1. *Number of Students.*—The number of persons who attended lectures in this College in 1916 was 536: Graduates, 10 (males 4, females 6); undergraduates, 322 (males 247, females 85); non-matriculated students, 179 (males 172, females 107). The number of students who were exempted from attendance was 15 (males 14, females 1).

2. *Council.*—The only change in the personnel of the Council was the appointment by the Governor in Council of the Hon. George Fowlds in the place of Sir G. M. O'Rorke, Chairman of the Council, who died, full of years and honours, on the 24th August, 1916. The Council at its regular meeting, held on the 16th October, 1916, elected Mr. T. W. Leys as the new Chairman.

3. *Staff.*—At the beginning of the year Mr. H. G. Cousins, M.A. (Acting-Principal of the Teachers' Training College) undertook the lectureship in education, *vice* Mr. H. A. E. Milnes, B.Sc., absent on active service. Mr. J. V. Wilson, M.A., Assistant Lecturer in Classics, left on active service early in the year, his duties being combined with those of the Assistant Lecturer in English. The place of Mr. W. Wilson, B.E., M.Sc., Lecturer in Electrical Engineering, rendered vacant by his release for munitions work in England, was filled by Messrs. J. A. Smith, A.M.I.E.E., and A. D. Mead, B.E., working in conjunction, and that of Mr. S. Cory-Wright, B.Sc., A.M.I.C.E., Lecturer in Surveying and Civil Engineering, who enlisted for active service, by Mr. R. H. Macduff, M.E., B.Sc. The Professor of Physics (Professor G. Owen) left at the end of the second term, with the full consent of the Council, in order to go on active service. Arrangements will be made for 1917 by which the subjects of chemistry and physics will be temporarily combined. At the end of the year Mr. B. H. Wyman, LL.M., resigned his position as an Assistant Law Lecturer. The vacancy so made will not be filled.

4. *Receipts and Expenditure.*—General Account: Receipts, including balance of £9,617 9s. 2d. from 1915, £26,328 16s. 6d.; expenditure, £13,204 17s. 1d.; balance, £13,123 19s. 5d. Sinclair-Gillies Trust Account: Receipts, including balance of £3,992 14s. 7d. from 1915, £4,188 8s. 4d.; expenditure, £147 17s. 9d.; balance, £4,040 10s. 7d. Sinclair Bequest: Receipts, including balance of £31 6s. 6d. from 1915, £32 12s. 10d.; expenditure, nil; balance, £32 12s. 10d. Endowments: The income from the endowments was £162 11s. 7d.; expenditure, £1 1s. 3d.; balance, £1,622 10s. 4d.

5. *Degrees and Honours.*—At the November examinations of 1916 the following successes were gained by students of this College: Master of Arts, 3; Master of Science, 1; Bachelor of Arts (final section), 6; Bachelor of Arts (first section), 17; Bachelor of Science (final section), 6; Bachelor of Science (first section), 8; Bachelor of Laws (final section), 5; Bachelor of Laws (preliminary section), 15; Bachelor of Commerce (preliminary section), 2; Engineering Entrance Examination, 4. The honours list comprises—First class (geology), 1; first class (chemistry), 1; University Senior Scholarships, 5 (botany, pure mathematics, electricity, heat, chemistry).

6. *The Schools of Music, Commerce, and Mining Engineering* were attended during the year by the following numbers of students: School of Music, 174; School of Commerce, 33; School of Mining Engineering, 33.

7. *Workers' Educational Association.*—During the year the activities of the Workers' Educational Association in this University district were well maintained. Eleven classes were conducted, ten of them in the city and its environs, and one in Gisborne. Six were studying economics, one industrial history, one industrial law, one chairmanship, one hygiene, and one a debating and literary course.

8. The College work was carried on during the year in the building that so long has served, unworthily and inadequately, the purposes of University education in the most rapidly growing centre of population in New Zealand. Built more than sixty years ago for purposes other than teaching, it has been with difficulty adapted and enlarged in patient endeavour to cope with the pressing demands of higher education. Now at last the building must be vacated; it has been taken by the City Council under the Public Works Act, and will be shortly destroyed to make

2, *Endowment Sales Account.*

	£	s.	d.		£	s.	d.
Balance, 1st January, 1916	10,246	0	0	Transferred to General Account (Endow- ments)	510	18	4
Interest on debentures	510	0	0	Balance, 31st December, 1916—			
Interest on fixed deposit	0	18	4	Invested in debentures	10,200	0	0
				Invested on fixed deposit	46	0	0
					10,246	0	0
	£10,756	18	4		£10,756	18	4

3. *J. L. Sinclair Bequest.*

	£	s.	d.		£	s.	d.
Balance, 1st January, 1916	31	6	6	Balance, 31st December, 1916, in Auckland			
Interest, Auckland Savings-bank ..	1	6	4	Savings-bank	32	12	10
	<u>£32</u>	<u>12</u>	<u>10</u>		<u>£32</u>	<u>12</u>	<u>10</u>

III. STATEMENT OF BALANCES AT 31ST DECEMBER, 1916.

							£	s.	d.
<i>Accounts.</i>									
General Account	..	..	..	..	..	..	13,123	19	5
Sinclair-Gillies Account	..	..	..	..	..	..	4,040	10	7
Endowment Sales Account	..	..	..	..	..	..	10,246	0	0
Sinclair bequest	..	..	..	..	..	..	32	12	10
							£27,443	2	10
<i>Banks and Investments.</i>							£	s.	d.
Bank of New Zealand (current)	..	..	..	..	..	..	7,028	17	10
„ (fixed deposit)	..	..	..	..	..	..	46	0	0
Post Office Savings-bank	..	..	..	..	..	..	382	16	8
Auckland Savings-bank	..	..	..	..	..	..	410	8	4
Debentures	..	..	..	..	..	..	400	0	0
„	..	..	..	..	..	..	10,200	0	0
Mortgages (freehold)	..	..	..	..	..	..	8,975	0	0
							£27,443	2	10

CHAS. M. NELSON, M.A., Registrar.

Examined and found correct.—R. J. COLLINS, Controller and Auditor-General,

C. REPORT OF THE VICTORIA UNIVERSITY COLLEGE, 1916.

(The Victoria College Act, 1905.)

Visitor.—The Hon. the Minister of Education.

Members of Council.

Chairman of Council.—C. Watson, Esq., B.A. (N.Z.).

Appointed by His Excellency the Governor in Council—C. M. Hector, Esq., M.B., B.Sc.; A. R. Atkinson, Esq., B.A. Oxon.

Elected by Members of Parliament—C. P. Knight, Esq., LL.D. (N.Z.); W. Ferguson, Esq., B.A. (Trin. Coll., Dublin),
M.Inst.C.E.

Elected by the Court of Convocation—G. E. Anson, Esq., M.D.; C. B. Morison, Esq., K.C.; W. H. Morton, Esq., M.Inst.C.E.; C. Watson, Esq., B.A. (N.Z.).

Elected by teachers of primary schools—Rev. W. A. Evans; T. R. Fleming, Esq., M.A., LL.B. (N.Z.).

Elected by members of Education Boards—Hon. A. T. Maginnity, M.L.C. ; R. McCallum, Esq., M.P.

Appointed by Wellington City Council—R. A. Wright, Esq., M.P.

Elected by teachers in secondary schools and technical high schools—W. S. La Trobe, Esq., M.A. (N.Z.), and M.A. (Camb.).

Elected by governing bodies of secondary schools—Hon. J. G. W. Aitken, M.L.C.

Elected by the Professorial Board—Professor J. M. E. Garrow; Professor J. R. Brown.

Staff.

Professors.—Classics—J. Rankine Brown, M.A. English—H. Mackenzie, M.A. Modern Languages—(vacant). Chemistry—T. H. Easterfield, M.A., Ph.D. Mathematics—D. M. Y. Sommerville, M.A., D.Sc. Biology—H. B. Kirk, M.A. Physics—E. Marsden, D.Sc. (on active service). Law—J. Adamson, M.A., LL.B. (Dean of the Faculty); J. M. E. Garrow, B.A., LL.B. (English and New Zealand law). Mental and Moral Philosophy—T. A. Hunter, M.A., M.Sc.

Lecturers, eight. Assistants, nine.

Registrar.—G. G. S. Robinson, Esq., M.A.

Librarian.—Rev. B. H. Ward, B.A.

REPORT.

The VICTORIA COLLEGE COUNCIL to the MINISTER OF EDUCATION.

Victoria College, 4th July, 1917.

In pursuance of section 44 of the Victoria College Act, 1905, the Council presents the following report for the year 1916-17:—

Number of Students.—The number of students attending lectures during the year was 323, made up as follows: Matriculated students—Male, 148; female, 123: total, 271. Non-matriculated students—Male, 14; female, 38: total, 52. In addition to these there were 39 exempted students (male, 19; female, 20), making a total of 362 students attached to the College.

More than 400 past and present students of the College have enlisted for active service, and as our students come to military age they continue to enlist. Fifty-two of the number have been killed in action or died of wounds. The numbers attending classes have again suffered considerably from this cause, and the total shows a drop of 57 as compared with last year's numbers. The proportion of female to male students has again increased since last year.

Examination Results.—Eight students of the College gained the degree of Master of Arts, 6 with honours (first class 2, second class 4); 4 students gained the degree of Master of Laws, 3 with honours (second class 2, third class 1); 15 students gained the degree of Bachelor of Arts; 22 passed the first section of that degree; 1 student gained the degree of Bachelor of Science, and 1 passed the first section of that degree; 5 students gained the degree of Bachelor of Laws, and 11 passed sections of that degree; 2 students gained Senior University Scholarships (in Latin and in English). Other scholarships have been awarded as follows: Sir George Grey Scholarship to Miss E. W. J. Fenton; Jacob Joseph Scholarships to L. J. Pilkington, M.A., and Miss C. C. Braddock, M.A.

Workers Educational Tutorial Classes.—From the report for the Senate on these classes the following summary is taken: "The working of these classes is controlled by a Tutorial Committee of eight members, four appointed by the College Council, four by the Workers Educational Association. A three-years course of a University standard is laid down for each class. So far this College has started five classes—one in English, one in economics, one in electricity, all in Wellington; one in economics in Petone; one in economics in Palmerston North. In 1916 the expenditure for the year was £360, which was rendered possible by a subsidy from Petone and by drawing on the previous year's balance. On the present income for the work the College will have difficulty in maintaining the classes established. Already inquiries have come from Westport about establishing a class there. With present means it will be difficult to do so. One of the chief difficulties of the work is the finding of suitable tutors. So far the Committee has been able to get men of University standing. On the other hand, three of the classes have suffered from change of tutors. From the reports of the tutors the work of the students is satisfactory. Many of them are very keen. The Workers' Educational Association is especially anxious to keep these classes in existence. In all classes the work and attendance have been adversely affected by the war. Men have gone on service; others have been called upon for much overtime work. It is hard to say under the circumstances what the attendance and work would be in normal times."

School of Economics.—Nothing has been done this year towards the establishment of a School of Economics, as the Council is still of opinion that it would be useless to take definite steps until the termination of the war.

Chair of Modern Languages.—The temporary arrangements made last year for carrying on the work of modern languages at the College are still in force, the work being under the joint control of Mrs. Macphail and Miss M. Baker, M.A.

Physics Department.—Mr. P. W. Burbidge, who had taken charge of the Physics Department when Professor E. Marsden went to the front, resigned his position in order to enlist for active service. The Council secured the services of Dr. H. Clark, A.M. (N.Y.), M.S., Ph.D. (Harvard), and he takes up the work in July, 1917.

CLEMENT WATSON.

Chairman, Victoria University College Council.

EXCERPTS FROM THE REPORT OF THE PROFESSORIAL BOARD FOR 1916.

College Terms.—First-year terms were kept by 76 students, second-year terms by 43 students, third-year terms by 20 students, and fourth-year terms by one student.

The Rhodes Scholarship was won by Mr. Athol Hudson (since killed in action). Mr. A. F. Meldrum was awarded the reversion of Mr. Hudson's scholarship.

The Work of the College.—This has gone on as usual, notwithstanding the great number of students who have enlisted from time to time. During the year the Board revised the Terms Regulations, which, as amended, should to some extent tend to lighten the ever-increasing burden of examination. This year certificates for the terms examinations will for the first time be issued to the successful students in the various classes.

On the recommendation of the Board the College Council has approved the opening of class lectures to the public free of charge, under the restriction that not more than six lectures are to be free in any one subject. A special committee has been set up to make suitable regulations in this connection.

War Work.—At the beginning of the war the Professors of Biology, Chemistry, and Physics offered their professional services gratuitously to the Defence Department. The Professor of Biology has made a very special study of the subject of fly-control in military camps, and the results of his investigations have recently been epitomized in a pamphlet issued by the Department.

On the nomination of the Munitions Conference in 1914 the Professor of Chemistry was appointed a member of the Munitions Board. In the Chemical Laboratory a quantity of morphia has been prepared for the use of the military hospitals and hospital ships, and in conjunction with the Wellington Gas Company arc carbons have been manufactured for use in the searchlights at the forts.

In the Physical Laboratory instruction has been given to X-ray operators, and in the Physical Workshop a good deal of attention has been given to signalling and bomb-throwing apparatus.

List of Publications.—B. C. Aston: Vegetation of the Tarawera Mountains. C. A. Cotton: Block Mountains and a "Fossil" Denudation Plain in Northern Nelson. T. H. Easterfield and J. C. McDowall: Studies on the Chemistry of the New Zealand Flora, Part V; The Chemistry of *Podocarpus totara* and *Podocarpus spicatus*. H. B. Kirk: On the Much Abbreviated Development of a Sand-star (*Ophioneis Schayeri*)—Preliminary Note; On the Gonoducts of the Porcupine Fish; Notes on Fly-control in Military Camps. D. M. Y. Sommerville: Elementary Method of Investigating the Centroid of a Uniform Circular Arc; Notes on Napier's Logarithms.

Library.—Accessions during the year number 675, at a cost of £284 15s. 10d. Of these, 102 were donations.

ACCOUNTS AND BALANCE-SHEETS.

STATEMENT OF RECEIPTS AND EXPENDITURE FOR THE YEAR ENDED 31ST MARCH, 1917.

<i>Receipts.</i>		£	s.	d.	<i>Expenditure.</i>		£	s.	d.
Balance brought forward	..	6,928	7	1	Salaries—	..	£	s.	d.
Government grant	..	9,000	0	0	Teaching staff	..	9,535	6	8
Grant, New Zealand Society of Accountants	..	150	0	0	Caretaker and assistants	..	340	0	0
Government subsidy	..	150	0	0	Office salaries and expenses	..	761	0	9
Rent of reserves	..	182	5	0	Printing and stationery	..	143	11	2
Fees	..	2,572	11	6	Advertising	..	16	0	0
University grant—	..	..	..	..	Travelling-expenses	..	21	9	0
Convocation	..	15	15	0	Examination expenses	..	72	10	11
National Endowment	..	715	14	11	Insurances	..	64	18	10
Government grant (National Endowment)	..	1,432	16	11	Maintenance	..	222	18	0
S. A. Rhodes' Trustees' grant	..	4,250	0	0	Contingencies	..	97	17	10
Sale of calendars	..	2	11	7	Water	..	3	6	9
New Zealand Pharmacy Board (Chemical Laboratory)	..	4	15	0	Heating	..	63	5	10
Examination fees	..	137	11	0	Lighting	..	128	12	2
Interest—	..	..	..	..	Grounds	..	26	3	0
General Account	..	115	11	0	Chemicals and apparatus	..	387	4	1
S. A. Rhodes' Account	..	162	10	0	Library	..	315	10	3
Athol Hudson bequest	..	200	0	0	Court of Convocation	..	15	15	0
Workers' Educational Association (grant for Petone tutorial class)	..	50	0	0	Fees refunded	..	4	4	0
					Tutorial classes	..	344	5	5
					Calendars (payment to New Zealand University)	..	25	0	0
					Balance at 31st March, 1917—				
					Post Office Savings-bank, general account	..	1,106	14	0
					Bank of New Zealand, current account	..	593	10	11
					Bank of New Zealand, fixed deposit, general account	..	2,000	0	0
					Bank of New Zealand, fixed deposit, S. A. Rhodes' Account	..	7,750	0	0
					Wellington Trust Loan and Investment Company	..	2,000	0	0
					Post Office Savings-bank (S. A. Rhodes, Interest Account)	..	162	10	0
							13,612	14	11
					Less unrepresented cheques	..	131	5	7
							13,481	9	4
							£26,070	9	0
							£26,070	9	0

LIBRARY DEPOSIT ACCOUNT.

<i>Receipts.</i>		£	s.	d.	<i>Expenditure.</i>		£	s.	d.
Balance brought forward	..	22	1	0	Library deposits refunded	..	2	2	0
					Balance at Bank of New Zealand, 31st March, 1917	..	19	19	0
							£22	1	0

UNION PRIZE FUND.

<i>Receipts.</i>		£	s.	d.	<i>Expenditure.</i>		£	s.	d.
Balance brought forward	..	106	10	4	Bank commission	..	0	5	0
Interest	..	4	10	0	Balance, 31st March, 1917—	..			
					Wellington City Council debentures	..	100	0	0
					Bank balance	..	10	15	4
							£111	0	4

JACOB JOSEPH SCHOLARSHIP FUND.

<i>Receipts.</i>		£	s.	d.	<i>Expenditure.</i>		£	s.	d.
Balance brought forward	..	3,460	2	0	Scholarships	..	60	0	0
Interest	..	135	0	0	Bank commission	..	0	19	0
					Wellington City Council debentures	..	3,000	0	0
					Balance at Bank of New Zealand, 31st March, 1917	..	534	8	0
							£3,595	2	0

G. G. S. ROBISON, Registrar.

D. REPORT OF THE CANTERBURY COLLEGE, 1916.

(The Canterbury College and Canterbury Agricultural College Act, 1896.)

Visitor.—The Minister of Education.*Board of Governors* (J. C. Adams, Esq., B.A., Chairman).

Appointed by His Excellency the Governor-General—Leonard Monk Isitt, Esq., M.P.; the Right Rev. Churchill Julius, D.D.; and Thomas William Adams, Esq.

Elected by members of the Legislature—John Joseph Dougall, Esq.; Thomas Henry Davey, Esq., M.P.; and Hon. George John Smith, M.L.C.

Elected by graduates—Very Rev. Dean Harper, M.A.; William Brook, Esq., M.A.; William Hugh Montgomery, Esq., B.A.; S. Hurst-Sager, Esq., F.R.I.B.A.; Dr. George Mackenzie Lester, M.R.C.S., M.R.C.T., M.A.; and Arthur Edward S. Flower, M.A.

Elected by public-school teachers—Thomas Hughes, Esq., B.A.; Jonathan Charles Adams, Esq., B.A.; and Lawrence Berry Wood, Esq., M.A.

Elected by School Committees—Charles Henry Adolphus Truscott Opie, Esq.; Henry Dyke Acland, Esq.; and Hugh Boyd, Esq.

Elected by Professorial Board—William Izard, Esq., M.A., LL.M.

Registrar—George H. Mason, Esq.*Staff.**Professors.*—Classics—H. D. Broadhead, B.A. Mathematics and Natural Philosophy—J. P. Gabbatt, M.A., M.Sc. English Language and Literature—Arnold Wall, M.A. French and German—T. G. R. Blunt, M.A. Chemistry—W. P. Evans, M.A., Ph.D., M.S.C.I. Engineering—Robert J. Scott, M.I.C.E., M.I.M.E., M.A.I.E.E. Biology and Director of Studies in Science—Charles Chilton, M.A., D.Sc., M.B., C.M., F.L.S. History and Economics, and Director of Studies in Commerce—James Hight, M.A., Litt.D., F.R.E.S. Physics—C. C. Farr, D.Sc., A.M.I.C.E. Mental Science—C. F. Salmon, M.A., N.Z.

Lecturers, four. Assistants and Demonstrators, eight.

EXTRACT FROM THE ANNUAL STATEMENT OF THE CHAIRMAN OF THE BOARD OF GOVERNORS.

Finance.—The total receipts from current revenue on account of the various departments controlled by the Board, for the financial year ended on the 31st December, 1916, amounted to £51,352, exceeding the total of the previous year by £7,420. The total expenditure for the year reached £43,196, as compared with £39,340 for the year 1915. Of the surplus of income over expenditure, which amounted to £8,156, the sum of £3,300 was utilized in the reduction of overdrafts, £2,396 in purchase of land to consolidate endowments, and £1,758 was transferred to capital. During the year the sum of £15,645 was received from the Government in grants and subsidies, including the annual grant of £2,000 for specialization in engineering, £1,433 the annual grant from the national endowment, and £2,415 subsidy towards cost of new buildings. The total amount paid in salaries was £25,926, an increase of £990 on the amount for the previous year. Tuition fees, including Government capitation for free places, totalled £11,324, as compared with £9,676 during the year 1915.

The year's revenue of the Maintenance Account amounted to £19,909, showing a surplus over the expenditure of £4,305. Of this sum, £1,000 was utilized in extinguishing the balance of the Buildings Loan Account debt, and £1,634 was expended in the purchase of freehold land. £13,763 was received as rents from endowments, exceeding the receipts in the previous year from that source by £1,935. Students' fees amounted to £2,426, an increase of £96 on the fees received during 1915. The overdraft on the College Buildings Special Loan Account at the 31st December, 1916, was £7,136. The contribution from the national endowment, as provided for in the New Zealand University Amendment Act, 1914, amounted to £2,148, as compared with £2,316 received in the previous year. Out of the amount received last year the sum of £1,433 was placed to the credit of the College Buildings Special Loan Account.

College.—In the early part of the year the new College library was opened, and has now fully established itself as a substantive part of the economy of the College. When one understands how fully it is used by the students, both as an ordinary library and as a reference library, with its bays and reading-tables occupied by students supplementing their work in the lecture-rooms or preparing for it, it leads one to wonder what was done before, and to understand somewhat the difficulties under which the old-time undergraduate laboured.

Great progress has been made during the year with the new buildings that were authorized and commenced in 1915. By the second term of 1917 all the buildings thus undertaken will be out of the hands of the contractor, though a further addition will then be undertaken in order to extend the Biological Laboratories and lecture-rooms. The Physics Laboratory is finished and is occupied by the professor, who, with his students, will be able to carry on his work under the most up-to-date conditions. The completion of the administrative block at the corner of Montreal and Worcester Street has proved of great value to the Registrar and his staff. The new Board-room, too, enables the Board to hold its meetings without that crowding which used to characterize the former room when anything approaching a full meeting was held.

During 1916 the Canterbury Branch of the Workers' Educational Association continued its duties, and from the reports received it is evident that not only have its classes been maintained but its work has been extended, and this in spite of the fact that more than ever the thoughts and activities of the community have been taken up with all that is connected with the prosecution of the war. The tutorial classes, economics and psychology, entered upon their second year's course, and it is a source of gratification that the majority of the first-year students have continued for a second year. The tutor in the class on economics reports very favourably on the attendance and the interest taken in the work, but points out that the essay work was disappointing. A very similar report is given by the tutor in psychology. During the year a study circle was established in one of the suburbs, and met with such success that it is to be raised to the status of a tutorial class. In connection with this association a series of lectures of a popular nature were given. They were on different subjects, some of them running into a course of four or six lectures, but all of them of great educational value. I think it may be safely asserted that the Workers' Educational Association is firmly established in the city, and it is to be hoped that its activities may be extended so as to enable the students in other large towns of the province to carry out a similar course of study.

School of Engineering and School of Art.—[See E.—5, Report on Technical Education.]

REPORT OF THE CHAIRMAN OF THE PROFESSORIAL BOARD.

The War.—No report of the College at present can fail to allude, in the first place, to the way in which the Great War has affected not only the numbers of students, but the tone of the life of the College. Not only is the number of male students sadly depleted, the higher classes in particular languishing for the lack of men sitting for repeat and honours, but the war continues to make encroachments on the staff, Mr. Condliffe, Assistant Lecturer in Economics, having now gone into camp. Professor Stewart, who has been promoted Lieutenant-Colonel, continues to bring honour to his College.

The New Buildings.—The new buildings are now sufficiently nearing completion to enable us to perceive that Canterbury College will soon possess the finest University buildings in the Dominion. The increased lecture-room space and the new quarters for the accommodation of students will be eagerly welcomed.

The Library.—The number of books in the library is steadily increasing, and the library itself, under the skilful management of the librarian, is proving more and more a centre of College life.

Supervision of Students' Courses.—The tutorial system recently adopted by the Professorial Board, by which Directors were appointed in the various courses of arts, science, law, &c., and by which students are handed over to tutors for the regulation of their courses, continues to justify itself. Every year many young students present themselves who have only the haziest ideas as to what subjects they should take in their course, and these students particularly need the advice of the professorial staff.

The Board of Studies.—The second meeting of the Board of Studies of the University was held in Wellington in the second week in November, 1916. Professors Chilton, Hight, Salmond, Farr, and Mr. Broadhead represented the Professorial Board of Canterbury College at the meeting. The chief business of the Board was the remodelling of the intermediate system for degrees, which had been proposed at the Board's former meeting and had been rejected by the Senate. The new scheme gave considerable latitude to the student in the choice of subjects, and left a six-subject course open to the student who did not wish to repeat.

ACCOUNTS AND BALANCE-SHEETS.

STATEMENT OF BALANCE AT 31ST DECEMBER, 1916.

Cr.		ACCOUNTS.		£	s.	d.
Classical School Capital Account	45	0	0
National Insurance Company Loan Account (Boys' High School)	13,000	0	0
Boys' High School Buildings and Sinking Fund Account	895	8	1
Girls' High School Capital Cash Account	2,979	7	6
Medical School Reserves Capital Cash Account	4,790	16	2
Museum, Library, and School of Technical Science Capital Cash Account	19,659	10	5
School of Engineering and Technical Science Maintenance Account	129	18	7
School of Art Maintenance Account	99	14	5
School of Art Buildings Loan Account	45	11	10
Museum Maintenance Account	274	0	11
Museum Guide-book Sinking Fund Account	100	0	0
Public Library Postle Bequest (Capital) Account	1,666	8	6
Emily S. Foster Memorial Fund	67	15	7
Helen Macmillan Brown Memorial Fund	104	6	10
Thomas Miller Prize Fund	100	7	4
Joseph Haydon Prize Fund	256	7	7
				<u>£44,214</u>	<u>13</u>	<u>9</u>

Dr.	£	s.	d.
College Buildings (Additions) Special Loan Account	7,136	10	3
Boys' High School Expenditure on Buildings and Site Suspense Account ..	10,994	7	10
Museum, Library, and School of Technical Science Endowment Revenue Account	29	7	11
School of Engineering Buildings Loan Account	2,152	9	3
Public Library Maintenance Account	729	2	4
Mortgages and Debentures—General	14,000	0	0
Debentures—			
Foster and Brown Memorial Funds	150	0	0
Miller Prize Fund	100	0	0
Haydon Prize Fund	200	0	0
Bank of New South Wales—			
Balance	£26,987	5	7
Less Dr. No. 2 Account	18,000	0	0
	8,987	5	7
Less outstanding cheques	269	9	1
	8,717	16	6
Cash in hand	4	19	8
	£44,214	13	9

GEORGE H. MASON, Registrar.
EDWARD EVANS, Accountant.

Examined and found correct.—R. J. COLLINS, Controller and Auditor-General.

SUMMARY OF RECEIPTS AND EXPENDITURE ON MAINTENANCE ACCOUNTS, 1916.

Account.	Balance at 1st January, 1916.	Receipts to 31st December, 1916.	Payments to 31st December, 1916.
	£ s. d.	£ s. d.	£ s. d.
College	Cr. 235 17 10	19,908 17 1	15,604 5 2
Boys' High School .. .. .	.. .. .	8,242 16 1	6,584 9 11
Girls' High School .. .. .	.. .. .	6,430 1 9	4,810 10 0
Medical School .. .. .	.. .. .	2,203 6 11	2,065 8 0
Museum Library and School of Technical Science .. .. .	.. .. .	3,322 18 2	3,352 6 1
School of Engineering	Cr. 141 15 9	4,178 13 9	4,190 10 11
School of Art }	Dr. 302 13 5	3,083 11 2	2,681 3 4
Museum	Cr. 495 16 5	1,761 15 8	1,983 11 2
Public Library	Dr. 1,025 10 2	2,220 14 8	1,924 6 10
		51,352 15 3	43,196 11 5

Account.	Deficiency of Income.	Surplus of Income.	How disposed of.	Balance carried forward.
	£ s. d.	£ s. d.		£ s. d.
College .. .. .	.. .. .	4,304 11 11	£1,000 debt on Buildings Loan Account paid off; £204 13s. 7d. contributed towards cost of College library building; £1,633 12s. to cover purchase of new endowment; and £1,702 4s. 2d. (balance) transferred to Buildings (Additions) Special Loan Account	.. .. .
Boys' High School .. .. .	.. .. .	1,658 6 2	£762 18s. 1d. to cover purchase of new endowment; £895 8s. 1d. (balance) transferred to Buildings and Site Loan Sinking Fund Account	.. .. .
Girls' High School .. .. .	.. .. .	1,619 11 9	Transferred to Capital Cash Account	.. .. .
Medical School .. .. .	.. .. .	137 18 11	Transferred to Capital Cash Account	.. .. .
Museum, Library, and School of Technical Science	29 7 11	.. .. .	Carried forward	Dr. 29 7 11
School of Engineering }	11 17 2	.. .. .	Carried forward	Cr. 129 18 7
School of Art .. .. .	.. .. .	402 7 10	£302 13s. 5d. overdraft paid off, and £99 14s. 5s. carried forward	Cr. 99 14 5
Museum	224 15 6	.. .. .	Carried forward	Cr. 274 0 11
Public Library .. .. .	.. .. .	296 7 10	£296 7s. 10d. paid off overdraft ..	Dr. 729 2 4
	263 0 7	8,419 4 5		

COLLEGE MAINTENANCE ACCOUNT

Receipts.			COLLEGE MAINTENANCE ACCOUNT		
£	s.	d.	£	s.	d.
Balance, 1st January, 1916	235	17	10
Rent of Reserves—					
Classical	..	8,560 19 11			
Town	..	438 0 0			
Pastoral	..	4,482 11 2			
Coal-mining lease	..	50 0 0			
Mineral-oil lease	..	8 6 8			
Coldstream Reserve—					
Chemical laboratory	..	111 11 0			
Physical laboratory	..	111 11 0			
			13,762	19	9
House-rents	64	10	0
Students' fees	2,426	0	6
Examination fees of exempted students	12	1	6
Sale of college calendars, &c.	2	11	2
Hire of chairs, &c. (College Hall)	2	10	0
Government capitation for commercial classes	28	17	0
Subsidy from New Zealand Society of Accountants towards cost of instruction in accountancy	100	0	0
Government grant of £1 for £1 on above	100	0	0
Contributions—					
From various departments toward cost of inspection of reserves	£ s. d.				
	133 7 0				
From various departments towards travelling-expenses of members of Board	..	56 3 9			
From various departments towards salaries of Registrar and staff, and office expenses	..	610 0 0			
From Medical School reserves towards maintenance of Department of Biology, £750; maintenance of Department of Chemistry, £600; maintenance of Department of Physics, £200	1,550 0 0				
From School of Engineering for rent of building	..	162 10 0			
From School of Engineering toward salary of instructor in mathematics	..	10 0 0			
From Boys' High School for rent of playground	..	110 0 0			
From Museum, Library, and School of Technical Science (endowment towards College library)	..	20 0 0			
			2,652	0	9
Grant under provisions of section 32 (b) of New Zealand University Amendment Act, 1914 (part of)	600	0	0
Proceeds from course of Spinney recitals	43	3	0
Anonymous donations for purchase of books for College library	100	0	0
Sale of motor-cycle (share)	13	2	5
Fee for chemical analysis (share)	1	1	0
			£20,144	14	11
Salaries	10,886	4	9
General expenses—					
Insurance	110	8	0
Rates	32	5	1
Advertising	21	6	9
Printing, stationery, and stamps	290	8	8
Repairs	132	3	7
Furniture, fittings, &c.	76	12	11
Washing and cleaning	30	3	8
Keeping grounds in order	63	5	10
Fuel	38	16	3
Lighting	106	14	2
Legal expenses	70	18	0
Expenses of College Students' Club	8	14	3
Expenses of music lectures	20	18	6
Expenses of election of Governors	8	15	9
Books for College library	146	9	7
Text-book for history and economics course	21	7	0
Grant in aid to necessitous students	40	0	0
Class prizes	86	12	6
Prizes for honours students	26	5	0
Inspection of reserves (travelling-expenses)	70	14	4
Expenses connected with endowments	677	3	5
Interest	336	17	8
Botanical station (fencing)	11	12	10
Botanical general expenses	7	12	0
Sundries	134	14	10
Geology lectures	44	17	1
Astronomical observatory	54	0	0
Chemical laboratory	213	16	3
Physical laboratory	51	17	11
Biological laboratory	92	3	1
Contributions—					
To School of Engineering	640	0	0
Towards travelling-expenses of members of the Board	86	8	9
Appropriations—					
Payment to liquidate debt on Old Buildings Loan Account	1,000	0	0
College library	262	4	4
New offices and Boardroom (furnishings)	242	15	9
Legal expenses re advance for additions	92	6	3
Allocation to Superior Education Capital Account to cover purchase of sections	1,633	12	0
Payment to Workers' Educational Association	220	0	0
Rent of tennis-courts	7	10	0
Professional Board, for clerical assistance	1	1	0
Installation of electric light (main block)	206	17	0
Preliminary expenses (heating, lighting, and power installations)	10	2	6
Expenses of course of Spinney recitals	68	13	6
Duplicator and typewriter	57	0	0
Balance, 31st December (transferred to College Buildings (Additions) Special Loan Account)	1,702	4	2
			£20,144	14	11

GENERAL BALANCE-SHEET AT 31ST DECEMBER, 1916.

[illegible]

EDUCATIONAL ASSETS UNDER THE CONTROL OF THE BOARD.

Department.	Government Valuation, 1914.	Paid for Buildings and Sites since Valuation.	Total.
	£	£	£
College	49,535	17,478	67,013
School of Engineering and Technical Science	9,335	..	9,335
Boys' High School	25,340	4,649	29,989
Girl's High School	13,550	989	14,539
School of Art	8,805	..	8,805
Museum	10,000	..	10,000
Public Library	12,000	..	*12,000
	128,565	23,116	151,681

* Subject to a first mortgage of £3,500 to the Public Trustee.

GEORGE H. MASON, Registrar.
EDWARD EVANS, Accountant.

E. REPORT OF THE UNIVERSITY OF OTAGO, 1916.

(The University of Otago Ordinance, 1869.)

Visitor.—His Excellency the Governor-General.

Council.

Appointed by His Excellency the Governor-General in Council—Hon. J. Allen, M.A., M.P.; J. Roberts, Esq., C.M.G. (Vice-Chancellor); J. Ross, Esq.

Elected by graduates—Rev. A. Cameron, B.A. (Chancellor); T. K. Sidey, Esq., B.A., LL.B., M.P.; Rev. Professor W. Hewitson, B.A.; Robert Church, Esq., M.D., Ch.B.

Elected by the professors—W. B. Benham, Esq., D.Sc., M.A., F.R.S.; Henry Lindo Ferguson, Esq., M.A., M.D., F.R.C.S.I., L.K.Q.C.P.I.

Elected to represent Otago Hospital Board, J. H. Walker, Esq.; elected by teachers in primary schools, W. Eudey, Esq.; elected by the Otago Education Board, P. McKinley, Esq., M.A.; elected by High School Boards, G. C. Israel, Esq.; elected by the Southland Education Board, T. MacGibbon, Esq.; elected by School Committees, L. D. Ritchie, Esq.; elected by teachers of secondary schools, W. J. Morrell, Esq., M.A., Oxon; elected by Dunedin City Council, W. D. Stewart, Esq., LL.B.

Staff.

Professors.—Physics—Robert Jack, M.A., D.Sc., Ph.D., Göttingen; Anatomy—William Percy Gowland, M.D., B.S., F.R.G.S.; Mental and Moral Philosophy—Francis Wallace Dunlop, M.A. (N.Z.), Ph.D., Jena; English Language and Literature—Thomas Gilray, M.A., Hon. LL.D., F.R.S.E.; Biology—William Blaxland Benham, D.Sc., M.A., F.R.S.; Mining—James Park, M.Am.Inst., M.E., M.Inst.M.M., F.G.S.; Physiology—John Malcolm, M.D., Ch.B.; Mathematics, Pure and Applied—David James Richards, M.A.; Dentistry—Henry Percy Pickerill, M.D., Ch.B., M.D.S., L.D.S., R.C.S.; Geology and Mineralogy—Patrick Marshall, M.A., D.Sc., F.G.S., F.R.G.S.; Medicine—Daniel Colquhoun, M.D., F.R.C.P., M.R.C.S.; Pathology—William Stewart Roberts, M.R.C.S.; Ophthalmology—Henry Lindo Ferguson, M.A., M.D., F.R.C.S.I., L.K.Q.C.P.I.; Medical Jurisprudence—Frank Ogston, M.D., C.M.; Metallurgy and Assaying—Daniel Black Waters, A.O.S.M.; Home Science and Domestic Arts—Winifred L. Boys-Smith; Chemistry—John Kenneth Harold Inglis, M.A., D.Sc., F.I.C.; Bacteriology and Public Health—Sydney Taylor Champtaloup, M.B., Ch.B., B.Sc., P.H.; Clinical Pathology—Alexander Murray Drennan, M.B., Ch.B., F.R.C.P.; Classics—G. S. Sale, M.A.; History and Economics, H. D. Bedford, M.A., Litt.D.; Modern Languages—G. E. Thompson, M.A.

Lecturers, Tutors, and Demonstrators, thirty.

Registrar—H. Chapman, Esq., B.A.

The CHANCELLOR OF THE UNIVERSITY OF OTAGO to His Excellency the GOVERNOR-GENERAL.

YOUR EXCELLENCY,—

I have the honour herewith to submit a report on the proceedings of the University of Otago for the year ended 31st December, 1916.

The Council.—During the year two changes took place in the personnel of the Council owing to the retirement of Mr. J. Mitchell and Dr. Malcolm. Both of these gentlemen had done useful work, and the Council regretted to learn that they were relinquishing their seats. Mr. P. McKinlay, who had formerly represented the School Committees, was appointed by the Otago Education Board in place of Mr. Mitchell, and Dr. Ferguson, the Dean of the Faculty of Medicine, was elected by the Professorial Board to replace Dr. Malcolm. The position of representative of the School Committees was filled by the election of Mr. L. D. Ritchie.

The Teaching Staff.—Changes, too, have occurred on the teaching staff, and first I must refer to the death of Professor Salmond. Dr. Salmond retired from active work at the end of 1914, but in consideration of his distinguished career as a professor he remained till his death Professor Emeritus of Mental and Moral Philosophy. His death removes from our midst a most notable personality, for Dr. Salmond combined some of the rarest gifts: he was a distinguished scholar, a writer of clear and elegant English, and a teacher who had the happy faculty of presenting difficult subjects in an interesting and inspiring manner. His memory will long be cherished by a large body of students.

A further change has been occasioned on the staff by the resignation of Dr. Marshall, Professor of Geology, who has been appointed to the post of headmaster of the Wanganui Boys' College. Though deeply regretting his departure, the Council congratulates Dr. Marshall on attaining so responsible a position in the educational life of New Zealand. The vacancy thus occasioned has been filled by the appointment of Dr. W. N. Benson, formerly Lecturer on Geology in the University of Sydney.

During the period under review, too, the Council has found it desirable to make the appointment of a Professor of Modern Languages. This Chair has been filled by the appointment of Mr. George Edward Thompson, M.A., who since the year 1902 has been Lecturer on French in this University, and has proved himself eminently worthy of professorial status.

Medical Bursaries.—I take this opportunity of expressing the Council's appreciation of the action of the Hon. Minister of Public Health in instituting bursaries for fifth-year students of medicine. Such bursaries will certainly be a means of encouraging worthy students, and they should assist the Public Health Department to secure suitable house surgeons for the various hospitals. The number of bursaries granted this year is five, and the Council trusts that it may be possible to grant a greater number in future years.

University Extensions.—Despite the war, the past year has been a notable one in the development of the University. On the 1st June, 1916, the foundation-stone of the new Medical School building was laid, and on the 2nd April in the present year the building was declared open by the Acting Prime Minister, Sir James Allen, K.C.B. The Council feels confident that with this splendid addition to its Medical School the teaching of medicine in the University of Otago has been brought to a high level of efficiency.

Another notable extension has been in the home-science department. The number of home-science students has so increased that the Council was obliged to enlarge the hostel accommodation. In order to do this an adjoining property comprising two dwellinghouses was purchased, and one of these houses was adapted to give extra sleeping-accommodation. I desire here to place on record the Council's appreciation of the generous action of the Vice-Chancellor, Mr. John Roberts, C.M.G., whose donation of £450, together with the Government subsidy, made it possible for this work to be completed.

Finance.—Your Excellency will no doubt appreciate the fact that so many important developments in the University's activities could not be carried out without incurring additional financial obligations, and the Council, in view of the national character of its enterprises, feels justified in asking for further financial assistance from the Government. With this end in view I would draw Your Excellency's attention to the position as affecting the University's reserves. By the Otago University Reserves Act, 1904, the Government, on account of the Council's financial difficulties, undertook to make good any shrinkages that might occur in the rents, thus guaranteeing uniform revenue from the reserves. For some years the rents of the various reserves diminished, but at the present time they are some £2,500 in excess of the amount which is paid to the Council. Considering the fact that the Government has now more than recovered the amount of the deficiencies which from time to time occurred, the Council respectfully trusts that Your Excellency may cause an amendment of the Act to be submitted to Parliament providing for payment to the Council of the whole of the rents of the Council's reserves. Whilst such an amendment would undoubtedly improve the Council's financial position, may I remind Your Excellency that the Council is still under a heavy debenture debt of £7,000. The Council is grateful for the grant of £1,000 received during the past year for the reduction of this debt, and trusts that the Government may liquidate the balance remaining.

The War.—This report would be incomplete without some reference to the war. At present, as nearly as can be ascertained, some 325 Otago University students, past and present, have left these shores to take part in the great conflict. The teaching staff has also been weakened by enlistments: Professor Waters, from the Mining School; Professor Pickerill, from the Dental School; Messrs. J. M. Paterson and A. C. Stephens, Lecturers on Law, have also joined the colours. Drs. O'Neill, Fergus, and Julian are still doing good work at the front, whilst we have been able to welcome back Dr. Barnett and Dr. Macdonald. Some of our students have won coveted distinctions, and have thereby brought honour to their University; others have achieved the highest of all honours by the sacrifice of their lives. It will be the University's sacred duty to perpetuate the memory of these fallen soldiers, that their names may ever be honoured, and that future generations of students may be inspired by their bright example to do their duty, counting not the cost.

I have, &c.,

ANDREW CAMERON, Chancellor.

NOTE.—Reports of the Deans of Faculties not published this year.

ACCOUNTS AND BALANCE-SHEET.

STATEMENT OF RECEIPTS AND PAYMENTS FOR THE YEAR ENDED 31ST DECEMBER, 1916.

(NEW BUILDINGS ACCOUNTS EXCLUDED.)							
<i>Receipts.</i>		£	s. d.	<i>Payments.</i>		£	s. d.
Balance on 31st December, 1915	..	2,146	5 3	Salaries paid to staff	..	16,989	1 7
Donations and contributions—				Portion paid to Public Trustee Account—			
Mr. John Roberts—Hostel	..	450	0 0	Superannuation	..	743	16 9
New Zealand Society of Accountants	..	150	0 0	Fees paid to professors and lecturers	..	3,062	19 4
Otago Hospital Board Account—Dental School	..	200	0 0	Equipment and apparatus	..	858	9 11
Otago Hospital Board Account—Bacteriology	..	400	0 0	Materials and renewals of stock	..	923	3 4
Otago Presbyterian Church Board	..	1,800	0 0	Library	..	539	5 8
British Medical Association, for library	..	20	0 0	Printing, advertising, and stationery	..	433	3 8
Technological Branch, for library	..	5	0 0	Repairs, alterations to buildings, &c.	..	273	8 7
Students' Association Account—Tennis courts	..	95	0 0	Miscellaneous new work	..	917	19 5
City Corporation, for museum and Hocken Library	..	75	0 0	Water, light, and fuel	..	411	18 4
Students' fees	..	8,709	0 6	King Edward Technical College, for cookery classes	..	100	0 0
Fees for chemical analyses	..	80	17 0	Insurance premiums	..	158	9 7
Fees of dental patients	..	352	8 0	Interest on debentures (six months)	..	220	0 0
Fees for bacteriological analyses	..	154	15 0	Debentures paid off	..	1,000	0 0
Government grants—				Purchase of hostel property	..	1,676	4 6
Statutory	..	5,000	0 0	Workers' Educational Association	..	460	0 0
For liquidating debentures	..	1,000	0 0	Transfer to Building Fund Account, to close the account	..	264	8 4
From national endowments	..	1,432	16 11	Government commission on rent	..	100	18 2
For Public Analyst's laboratory	..	25	0 0	Law-costs	..	56	5 3
Subsidies	..	765	3 5	Salvation Army Account—Redroofs Hospital	..	53	0 0
Capitation for home science (two years)	..	425	4 9	Miscellaneous expenses	..	626	0 3
Rents	..	5,159	15 3	Bank of New Zealand—Interest and charges	..	10	3 9
University of New Zealand—National Endowment	..	715	15 0	Prize Purchases Account—Chamber of Commerce grant	..	10	9 0
Refunds—				Registrar, for work of Court of Convocation	..	15	15 0
From Beverley Trust Account	..	436	3 3	Fees paid to Public Analyst	..	56	13 10
From Professor Boys-Smith	..	37	10 0	X-ray fees	..	3	4 0
From Scholarship Account	..	4	17 8	Hospital Board—One-tenth dental patients' fees	..	28	16 7
Interest on investments	..	655	13 0	Balance as per pass-book	£854	6 10	
Insurance on goods lost	..	154	14 9	Less cheques outstanding	240	19 10	
Receipts from popular lectures	..	31	19 0			613	7 0
Sale of calendars	..	7	13 2				
Sale of microscope	..	6	0 0				
University of New Zealand, for work of Court of Convocation	..	15	15 0				
Income of Hocken Library from Trustees, Executors Company	..	76	12 3				
Timber licenses	..	4	0 0				
Otago Hospital Board—Portion of cost of Redroofs Hospital	..	14	2 8				
		£30,607	1 10			£30,607	1 10

STATEMENT OF RECEIPTS AND PAYMENTS FOR YEAR ENDED 31ST DECEMBER, 1916.

BUILDING FUND ACCOUNT NO. 1.

<i>Receipts.</i>		£	s. d.	<i>Payments.</i>		£	s. d.
Government grants	..	2,004	13 5	Dr. Balance, 31st December, 1915	..	£2,183	18 1
Interest on fixed deposit	..	53	8 2	Less amount on fixed deposit	750	0 0	
Grant from General Account	..	264	8 4			1,433	18 1
				E. Anscombe, architect's fees	..	40	9 0
				Briscoe and Co., sinks	..	43	19 8
				Bank charge	..	0	15 0
				Building Fund Account No. 2—Transfer of fixed deposit and interest	..	803	8 2
		£2,322	9 11			£2,322	9 11

(Account closed.)

BUILDING FUND ACCOUNT NO. 2.

<i>Receipts.</i>		£	s. d.	<i>Payments.</i>		£	s. d.
Balance on 31st December, 1915	..	45	19 0	Fletcher Bros. (progress payments)	..	8,556	10 8
New Medical Building Committee	..	3,139	18 2	Mason and Wales (architect's fees)	..	300	0 0
Mr. W. Dawson, donation	..	2,000	0 0	D. Thomson, clerk of works	..	200	0 0
Sundry donations	..	1,825	8 2	Sundry payments	..	161	6 6
Government subsidies	..	2,590	12 10	Balance in bank	..	384	1 0
		£9,601	18 2			£9,601	18 2

SUMMARY OF SEPARATE ACCOUNTS.

Account.	Balance at 31st December, 1915.	Receipts to 31st December, 1916.	Payments to 31st December, 1916.	Deficiency of Income for 1916.	Surplus of Income for 1916.	How disposed of.	Balance carried forward.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.		£ s. d.
Arts and General Medical School	Cr. 237 12 5	13,403 13 10	14,559 8 6	918 2 3	..	..	Dr. 918 2 3
	..	7,233 7 2	9,431 9 7	2,198 2 5	..	Transferred to Arts and General Account	..
Mining School..	..	383 1 6	1,943 16 5	1,560 14 11	..	Ditto ..	..
Dental School..	..	1,109 16 1	1,515 8 8	405 7 7	..	" ..	..
Museum ..	..	500 0 0	767 5 1	267 5 1	..	" ..	..
Home Science School ..	Cr. 456 6 0	2,882 19 2	3,510 2 10	170 17 8	..	..	Dr. 170 17 8
Building Fund, No. 1 ..	Dr. 1,433 18 1	2,322 9 11	888 11 10	..	..	..	..
Ditto, No. 2 ..	Cr. 45 19 0	9,555 19 2	9,217 17 2	..	384 1 0	..	Cr. 384 1 0

SCHOLARSHIP AND PRIZE FUND ACCOUNT, FOR YEAR ENDED 31ST DECEMBER, 1916.

Trust.	Balance, 31st December, 1915.	Interest.	Total.	Payments (Scholarships and Prizes).	Bank Charge.	Balance, 31st December, 1916.		
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	s. d.	Capital.	Income.	Total.
Richardson ..	984 10 9	42 19 3	1,027 10 0	30 0 0	2 6	973 2 3	24 5 3	1,027 10 0
Walter Scott ..	428 9 8	17 19 11	446 9 7	..	0 11	415 9 11	30 18 9	446 9 7
Taieri ..	494 19 7	21 2 4	516 1 11	..	1 0	481 16 8	34 4 3	516 1 11
Macandrew ..	1,182 19 7	52 3 4	1,235 2 11	35 0 0	2 6	1,178 17 6	21 2 11	1,235 2 11
Women's ..	685 2 2	30 2 11	715 5 1	25 0 0	1 10	688 9 5	1 13 10	715 5 1
Stuart ..	123 11 2	5 9 8	129 0 10	3 0 0	0 3	122 13 2	3 7 5	129 0 10
Ulrich ..	86 2 10	3 9 6	89 12 4	..	0 3	83 13 11	5 18 2	89 12 4
Parker ..	52 16 7	1 19 9	54 16 4	2 0 0	0 2	50 10 6	2 5 8	54 16 4
Macgregor ..	144 13 9	6 5 4	150 19 1	5 0 0	0 5	139 19 4	5 19 4	150 19 1
Leask ..	56 2 1	2 0 5	58 2 6	4 17 8	0 2	50 0 0	3 4 8	58 2 6
	4,239 8 2	183 12 5	4,423 0 7	104 17 8	10 0	4,184 12 8	133 0 3	4,423 0 7

Batchelor Memorial Fund.—Donations received, £119 14s. 6d., less interest advanced, 13s. 5d. = £119 1s. 1d.; bank charge, 4d.; capital, £119 14s. 6d.; Income Account, *Dr.* balance, 13s. 9d.: to al, £119 1s. 1d. Balance in bank, £132 6s. 6d.

BALANCE-SHEET ON 31ST DECEMBER, 1916.

Liabilities.		£ s. d.	Assets.		£ s. d.
Capital Account—			Debentures—		
Sales of property ..	..	3,801 14 9	Stock Exchange ..	..	1,800 0 0
Dunedin Savings-bank ..	..	6,500 0 0	Dunedin City Tramways ..	..	2,689 9 0
Wolff Harris Endowment ..	..	2,100 0 0	Borough of Mornington ..	..	700 0 0
Subscribed fund ..	..	2,249 0 0	New Zealand Government ..	..	10,060 0 0
Mrs. Lothian's bequest ..	..	600 0 0	Amount due from Beverley Trust Account	..	41 13 4
Unexpended balances of special accounts—			Amount due from Professor Boys-Smith	..	
British Medical Association—Library	..		on account of Miss Anderson's salary	..	
grant ..	..	14 4 0	and insurance ..	..	55 17 11
Chamber of Commerce—Prizes grant ..	..	0 1 0	Bank of New Zealand—Credit balance ..	..	613 7 0
Chemistry Apparatus Fund ..	..	67 17 10	Arts and General Account— <i>Dr.</i> balance ..	..	918 2 3
Bacteriology—Special account ..	..	73 11 11	Home Science Account— <i>Dr.</i> balance ..	..	170 17 8
Hocken Library Account ..	..	174 11 3			
Public Analyst's laboratory grant ..	..	14 16 3			
Technological Branch—Book grant ..	..	5 0 0			
University of New Zealand grant ..	..	126 13 7			
Building Fund Account No. 2—					
Dr. Drennan's accrued salary ..	..	1,015 9 8			
Otago Hospital Board, one-tenth dental	..				
patients' fees due ..	..	34 18 5			
Income-tax ..	..	13 2 6			
Fees due to professors ..	..	258 6 0			
		£17,049 7 2			£17,049 7 2
Debentures owing by University ..	..	£7,000 0 0			

F. REPORT OF THE CANTERBURY AGRICULTURAL COLLEGE, 1916.

(The Canterbury College and Canterbury Agricultural College Act, 1896.)

Visitor.—His Excellency the Governor-General.

Board of Governors.

Appointed by His Excellency the Governor-General—W. F. M. Buckley, Esq., M.A.
Elected by members of the Legislature—H. A. Knight, Esq. (Chairman); R. W. Lochhead, Esq.; and Hon. D. Buddo, M.P.
Elected by governing bodies of agricultural and pastoral associations—J. Deans, Esq.; T. Blackley, Esq.; and B. Tripp, Esq.

Staff.

Director.—R. E. Alexander.
Lecturer on Veterinary Science.—A. Taylor, M.A., M.R.C.V.S.
Lecturer on Biology.—F. W. Hilgendorf, M.A., D.Sc.
Lecturer on Chemistry.—L. J. Wild, M.A., B.Sc., F.G.S.
Lecturer on Applied Mathematics.—(Vacant).

REPORT OF DIRECTOR (ABRIDGED).

SIR,—

I have the honour, by direction of the Board of Governors, in pursuance of the Canterbury College and Canterbury Agricultural College Act, to submit the following report on the work of the institution for the year ending 31st December, 1916.

Mr. George Rennie resigned his seat on the Board owing to his leaving the district, and the Hon. D. Buddo, M.P., was elected to fill the vacancy.

Forty-two students were enrolled in 1916, being the lowest number in attendance for many years. The smaller attendance is due to the war, every available student having enlisted as soon as he became eligible.

I am glad to be able to state that the work of the students, on the farm and in the College, was on the whole satisfactory. Although, as pointed out last year, the war had an unsettling effect on many of the students, and hindered them concentrating their whole interests in College work, the competition for scholarships and prizes offered by the Board was as keen as ever.

Twenty-three students left during the year, and four completed the full course of three years, and of these three passed all their examinations and were awarded the diploma of the College.

We are again indebted to a number of public bodies and friends for presenting the College with valuable trophies to be given as prizes to the students. These gifts are very much appreciated by both staff and students, as they stimulate a very wholesome spirit in the general work of the College.

In response to a letter from the Hon. A. L. Herdman, Minister in Charge of the Returned Soldiers Department, the Board agreed to provide facilities for returned soldiers who wished to obtain an agricultural education. It was further decided to offer five scholarships of the value of £20 per annum to returned soldiers, provided the Board was satisfied as to the fitness of the applicants to follow the College course.

A communication was received from the Director of Education in regard to providing a course in agriculture for teachers in training. The Board replied that it would be pleased to provide the agricultural training, and would like to confer with the Minister of Education and the Director of Education on the matter, but up to the end of the year no reply had been received to this offer.

An arrangement was made with the Engineer in charge of the Lake Coleridge hydro-electric scheme to supply the College with power and light. Hitherto power and light have been generated by an oil-and-petrol engine. The Lake Coleridge current was laid on in September, and has worked most satisfactorily.

The work of obtaining pure strains of cereals is still being carried on, but very little progress can be reported owing to the abnormal conditions prevailing during the last two seasons. The spring of 1916-17 was almost as bad as that of 1915-16, and it was impossible to get any comparative results from the plots. We hope for a good season in 1917, when we may be able to make a definite pronouncement in regard to several other strains of wheat.

The College and farm buildings have been kept in good repair. The farm has also been maintained in its high state of fertility. Results may not indicate such a condition, but the unsatisfactory returns are due to a repetition of the drought of 1915, the rainfall recorded at the College from the middle of August to the end of December being the lowest for the thirty-odd years that the records have been kept.

All classes of stock have been kept at their former high standard. In regard to the stud stock, this is best demonstrated by the number of awards won at the two principal shows in Canterbury.

At the end of the year an invitation was issued through the Press to farmers and others interested in the College work to come and inspect the buildings and farm. Over a hundred farmers responded. The attendance was much smaller than it would have been had the season not been so unfavourable and the date unsuitable to many.

I have, &c.,

To the Hon. the Minister of Education, Wellington.

R. E. ALEXANDER, Director.

ACCOUNTS AND BALANCE-SHEETS.

STATEMENT OF RECEIPTS AND EXPENDITURE FOR THE YEAR ENDED 31ST DECEMBER, 1916.

[illegible]

INVESTMENT ACCOUNT.

	£	s.	d.		£	s.	d.
Balance, 1st January, 1916	69	15	7	Invested on mortgage	13,500	0	0
Invested on mortgage	13,500	0	0	Payment to Land Transfer Office, purchase of property	28	10	0
				Balance 31st December, 1916	41	5	
	<u>£13,569</u>	<u>15</u>	<u>7</u>		<u>£13,569</u>	<u>15</u>	<u>7</u>

STATEMENT OF BALANCES.

Accounts.	£	s.	d.	Bank.	£	s.	d.	£	s.	d.
General Account, credit	1,991	5	9	Credit, balance, 31/12/16, as per pass book	1,078	5	4			
Investment Account, credit	41	5	7	Deposit in Post Office Savings-bank	1,000	0	0			
				Interest accrued in Post Office Savings-bank	51	1	3			
				Cash in hand	6	0	0			
								2,135	6	7
				Less outstanding cheques				102	15	3
	<u>£2,032</u>	<u>11</u>	<u>4</u>					<u>£2,032</u>	<u>11</u>	<u>4</u>

R. E. ALEXANDER, Director.

Examined and found correct.—R. J. COLLINS, Controller and Auditor-General.

No. 3.—DETAILED TABLES.

TABLE M1.—STUDENTS ON THE BOOKS OF THE AFFILIATED INSTITUTIONS.

	Auckland University College.	Victoria University College.	Canterbury College.	Otago University.	Totals for 1916.
I. Attending lectures (whether terms were kept or not)—					
(1.) Matriculated students—					
(a.) Graduates—					
Men	4	11	10	24	49
Women	6	8	7	8	29
Total graduates attending lectures ..	10	19	17	32	78
(b.) Undergraduates—					
Men	247	137	104	276	764
Women	85	115	118	170	488
Total undergraduates attending lectures ..	332	252	222	446	1,252
(c.) All matriculated students (a) and (b)—					
Men	251	148	114	300	813
Women	91	123	125	178	517
Total matriculated students attending lectures ..	342	271	239	478	1,330
(2.) Non-matriculated students—					
Men	72	14	138	55	279
Women	107	38	79	57	281
Total non-matriculated students attending lectures ..	179	52	217	112	560
(3.) All students attending lectures (1) and (2)—					
Men	323	162	252	355	1,092
Women	198	161	204	235	798
Total of all students attending lectures ..	521	323	456	590	1,890
II. Exempt students not attending lectures, not included above—					
Men	14	19	2	29	64
Women	1	20	1	9	31
Total exempt students	15	39	3	38	95
III. Total of all students (I and II)—					
Men	337	181	254	384	1,156
Women	199	181	205	244	829
Grand total of all students, 1916 ..	536	362	459	628	1,985
Grand total of all students, 1915 ..	539	419	507	574	2,039
Difference	-3	-57	-48	54	-54

TABLE M2.—COURSES TAKEN BY STUDENTS ATTENDING LECTURES AT UNIVERSITY COLLEGES IN 1916.

Course.	Men.	Women.	Total.	Percentage.
Arts and Teacher's Certificate (as for B.A., M.A., &c.)	254	522	776	47.4
Science (as for B.Sc., M.Sc., &c.)	69	30	99	6.1
Law (as for LL.B., LL.M., &c.)	183	1	184	11.2
Commerce (as for B.Com., &c.)	67	18	85	5.1
Music (as for B.Mus.)	6	53	59	3.6
Medicine (as for M.B., &c.)	186	34*	220	13.5
Dentistry (as for B.D.S.)	5	...	5	0.3
Engineering (as for B.E., Civil, Mechanical, or Electrical)	153	...	153	9.4
Mining Engineering (as for degree)	13	...	13	0.8
Agriculture (exclusive of Students at Lincoln Agricultural College during year)	2	...	2	0.1
Home science ... ..	...	41	41	2.5
Totals	938	699	1,637	100.0

* Includes 10 students of massage.

TABLE M3.—SCHOLARSHIPS, BURSARIES, EXHIBITIONS, AND STUDENTSHIPS HELD AT THE AFFILIATED INSTITUTIONS IN 1916.

Scholarships, &c.	Auckland University College.	Victoria University College.	Canterbury College.	Otago University.	Total.
Junior University Scholarships	7	1	4	8	20
University National Scholarships	12	8	10	19	49
Taranaki Scholarships ... ..	...	3	...	4	7
Senior University Scholarships	1	1	3	7	12
University Bursaries	39	66	37	106	248
Educational Bursaries	8	21	15	13	57
Sir George Grey Scholarships	1	...	...	...	1
Other scholarships and exhibitions	3	1	...	22*	26
Training-college studentships	118	101	98	120	437
Total for 1916	189	202	167	299	857
Total for 1915	200	233	170	258	861
Difference	-11	-31	-3	41	-4

* Including 19 home-science bursars.

TABLE M4.—SUMMARY OF ACCOUNTS.
Receipts (exclusive of Special Trusts) for the Year 1916.

University College.	From Government.						Rents from Endowments, and Interest.	Fees.	Donations, &c.	Miscellaneous.	Total.
	Statutory Grant and Income from National Endowment.	Grants for Buildings and Fittings.	Grants for Material and Apparatus.	Subsidies.	Scholarship and Bursary Payments, and Miscellaneous.	Total from Government.					
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Auckland	11,148 11 11	..	22 6 9	150 0 0	192 1 3	11,512 19 11	1,937 6 4	2,727 0 0	150 0 0	437 1 7	16,764 7 10
Victoria (to 31st March, 1917)	11,148 11 10	..	..	150 0 0	1,719 19 0	13,018 10 10	297 16 0	848 8 6	4,600 0 0	144 17 7	18,909 12 11
Canterbury	4,148 11 11	2,415 0 0	331 6 4	100 0 0	1,208 1 11	8,203 0 2	14,437 19 9	2,026 5 6	286 14 6	62,655 9 8	27,609 9 7
Otago	7,148 11 11	2,004 13 5	..	3,280 16 3	1,845 17 3	14,279 18 10	7,672 16 5*	8,901 8 0	7,481 18 2	828 14 10	39,164 16 3
Total of four University colleges	33,594 7 7	4,419 13 5	353 13 1	3,680 16 3	4,965 19 5	47,014 9 9	24,345 18 6	14,503 2 0	12,518 12 8	4,066 3 8	102,448 6 7

* Including £1,800 paid by the Presbyterian Church Board.

Expenditure (exclusive of Special Trusts) for the Year 1916.

University College.	Administration.	Salaries.	Sites, Buildings, &c.	Equipment and Apparatus.	Material, Renewals, &c.	Expenditure on Endowments.	Interest.	Libraries.	Scholarships.	Miscellaneous.	Total.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Auckland	1,466 7 10	10,066 14 6	..	311 0 5	80 7 0	1 1 3	..	362 6 10	50 0 0	178 19 3	12,516 17 1
Victoria (to 31st March, 1917)	1,439 16 8	9,535 6 8	249 1 0	387 4 1	..	..	..	315 10 3	..	659 19 0	12,586 17 8
Canterbury	1,873 2 11	11,687 1 9	14,303 11 10	858 1 2	509 14 11	801 8 4	462 9 8	337 14 2	192 17 6	1,328 5 4	32,354 7 7
Otago	1,535 3 10	18,992 3 6	12,132 11 9	712 15 8	888 1 3	100 18 2	230 3 9	495 6 1	..	2,441 14 8	37,528 18 8
Total of four University colleges	6,314 11 3	50,281 6 5	26,685 4 7	2,263 1 4	1,478 3 2	903 7 9	692 13 5	1,510 17 4	242 17 6	4,608 18 3	94,987 1 0

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