SESSION II.

1906.

NEW ZEALAND.

EDUCATION:

THE UNIVERSITY OF OTAGO.

("THE UNIVERSITY OF OTAGO ORDINANCE, 1869.")

[In continuation of E.-7, 1905.]

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

Visitor.—His Excellency the Governor.

Council.

Appointed by His Excellency the Governor in Council—His Honour Mr. Justice Williams, M.A., LL.M. (Chancellor); J. Allen, M.A., M.H.R. (Vice-Chancellor); R. Burns, F.R.C.S., Edin.; T. M. Hocken, M.R.C.S.; D. Stewart; L. W. Harris.

Elected by graduates—Rev. A. Cameron, B.A.; T. K. Sidey, B.A., LL.B., M.H.R.; Rev. W. Hewitson, B.A.; Robert Church, M.D.

Elected by the professors—Professor G. S. Sale, M.A.; Professor J. Shand, M.A., LL.D.

Professors.

Classics, G. S. Sale, M.A.; Natural Philosophy, J. Shand, M.A., LL.D.; Chemistry, J. G. Black, M.A., D.Sc.; Anatomy, J. H. Scott, M.D., M.R.C.S.; Mining and Mining Geology and Director of the School of Mines, James Park, M.A.I.M.E., M.I.M.M., F.G.S.; Biology (also Curator of the University Museum), W. B. Benham, D.Sc., Lond.; Mental and Moral Philosophy, Rev. W. Salmond, M.A., D.D.; Mathematics (also Lecturer on Political Economy), F. B. de M. Gibbons, M.A.; English Language and Literature, T. Gilray, M.A.; Physiology, J. Malcolm, M.D.

Lecturers.

French, Geo. E. Thompson, M.A.; German, F. H. Campbell, M.A.; Hebrew, Rev. M. Watt, M.A., D.D.; Practice of Medicine, D. Colquhoun M.D., M.R.C.P., M.R.C.S.; Medical Jurisprudence and Public Health, F. Ogston, M.D., C.M.; Midwifery and Diseases of Women, F. C. Batchelor, M.D., M.R.C.S., L.R.C.P.; Materia Medica, E. E. Blomfield, M.D.; Pathology, W. S. Roberts, M.R.C.S.; Ophthalmology, H. L. Ferguson, M.A., M.D., &c.; Surgery, L. E. Barnett, M.B., C.M., F.R.C.S.; Mental Diseases, F. T. King, M.B., C.M., B.Sc.; Clinical Medicine and Clinical Surgery, the Honorary Medical and Surgical Staff of the Dunedin Hospital; Metallurgy and Assaying, D. B. Waters, A.O.S.M.; Geology and Mineralogy, P. Marshall, D.Sc.; Constitutional History, A. R. Barclay, M.A.; Jurisprudence, Wm. Grant Hay, LL.B.

Registrar—W. A. Mason.

THE CHANCELLOR OF THE UNIVERSITY OF OTAGO TO HIS EXCELLENCY THE GOVERNOR.

YOUR EXCELLENCY,— University of Otago, Dunedin, 1906.

In compliance with the provisions of "The University of Otago Ordinance, 1869," I have the honour to forward to Your Excellency the following report of the proceedings of the University of Otago for the year ending the 31st March, 1906.

Attendance.—The attendance at the classes for the past twelve months was as follows:—

	Matriculated.	Not Matriculated.	Total.
Males	167	25	192
Females	111	6	117
Total	278	31	309

Degrees.—The degrees obtained by the students at the examinations held by the New Zealand University are as follows: Master of Arts, 13; Bachelor of Arts, 22; M.Sc., 1; B.Sc., 4; B.Sc. Mining Engineer, 2; Bachelor of Laws, 6; M.B., Ch.B., 11; LL.M., 1.

Scholarships and Prizes.—The following scholarships and prizes have been awarded: Macgregor Prize, Janet McLeod; Stuart Prize, Charles A. Cotton; Parker Prize, A. Bonar-Lindsay; Ulrich Medal, Alex. M. Finlayson; Grey Russell Scholarship, James Renfrew White; Walter Scott Scholarship, Jessie Manson; Sir George Grey Scholarship, A. M. Finlayson: James Clark Prizes—Senior Latin, Tom Dagger Adams; Senior English, Mary H. McG. King; Junior Mental Science, Janet McLeod.

Castle Street Block.—Twenty-two of the twenty-eight sections on this block have now been let, and sixteen houses are erected or are in course of erection.

Dental Hospital.—The University Council have resolved that as soon as the plans of the new Dental Hospital building are approved by the Education Department tenders be called for the erection of the building upon the site at the corner of Castle and Union Streets.

JOSHUA STRANGE WILLIAMS, Chancellor.

OTAGO SCHOOL OF MINES: REPORT OF THE DIRECTOR.

(Professor James Park, M.A.I.M.E., M.I.M.M., F.G.S.)

THE Director reported as follows:—

The Mining School for the year ended the 31st December, 1905, showed an attendance of 34 students, 31 of whom were matriculated students of the University of New Zealand. Of the 34, 25 were entered for the full course prescribed for the B. Sc. in mining or metallurgical engineering, and 9 for one subject only—namely, general geology.

Thirty-four students presented themselves for examination in 30 different subjects, and of these only three failed—namely, 2 in mineralogy and one in mining geology. The Grey Scholarship was awarded to Robert W. McCullough, and the Ulrich Medal to Alexander M. Finlayson. The 1851 Exhibition Research Scholarship was won by Robert A. Farquharson, who resigned it in favour of the Rhodes Scholarship. Honours in natural science were won by Arthur R. Andrew (Birmingham) and by Robert A. Farquharson (first-class honours, geology). The Senior Scholarship in Natural Science was divided by Alexander M. Finlayson (geology) with an Auckland candidate (botany). In mining engineering: First section (metallurgical), Gerhardt A. C. Ulrich; second section—Hugh R. Macdonald, Alex. Gordon Macdonald, and Philip Hastings McDouall passed all the examinations in this section except mechanical drawing; final section, E. J. Herbert Webb (mining) and Walter A. Given, M.A. (metallurgical). Master of Science: Robert A. Farquharson. Bachelor of Science: First section, John A. Bartrum, Charles A. Cotton, John F. McPadden; final, Alexander M. Finlayson.

The Committee of Selection, sitting at Government House, Wellington, in February of this year awarded Mr. Robert A. Farquharson the Rhodes Scholarship for New Zealand for the year 1906. Mr. Farquharson is a distinguished scholar and a prominent athlete. His academic career represents a standard of excellence rarely equalled by a graduate of the New Zealand University, and it is worthy of note that he was awarded the Rhodes Scholarship before the results of the New Zealand University November examinations were known. When Mr. J. Allan Thomson, B.Sc., carried off the first Rhodes Scholarship for New Zealand two years ago, and was at the same time awarded an 1851 Exhibition Research Scholarship, it seemed hardly within the range of possibility that a mining student could have the good fortune to carry off the same prizes within so short a time. Mr. Farquharson has earned our most hearty congratulations.

The diploma of Associate of the Otago School of Mines was first issued in 1887. The diplomas granted in the divisions of mining, metallurgy, and geology since that date are as under: Mining: Issued up to 1904, 74; 1905, 2: total, 76. Metallurgy: Up to 1904, 36; 1905, 1: total, 37. Geology: Up to 1904, 12; 1905, 1: total, 13. Grand totals: Up to 1904, 122; 1905, 4: total, 126. The mining graduates who have taken the ordinary B.Sc. and engineering B.Sc. are: Ordinary B.Sc.: Up to 1904, 8; 1905, 1: total, 9. Engineering B.Sc.: Up to 1904, 3; 1905, 2: total, 5. Grand totals: Up to 1904, 11; 1905, 3: total, 14.

During the year eighty-four samples of ore and mineral were assayed for the public by Mr. Waters at schedule rates, and in the same period twenty-four samples of rocks and minerals were examined and reported on by the director free of charge.

Summer Work for Students.—During the summer of 1905–6 employment was obtained by eighteen of our second- and third-year students in mining, metallurgical, surveying, or geological work in different parts of the colony, at current rates of remuneration.

Senior Scholarships and Honours in Applied Science.—The New Zealand University at the present time grants senior scholarships and honours in all the purely academic subjects, one senior scholarship and honours in three grades in each; but no scholarships or honours in the subjects relating to applied science such as economic geology, mining, metallurgy, applied mechanics, surveying, &c. This surely ought to be remedied. Applied science is the connecting-link between the University and every-day industrial and professional life, and some incentive should be held out to the University graduate to qualify himself in some measure above the needs of the ordinary pass. If the University of New Zealand is to be a living factor in the industrial progress of the colony it will be done chiefly through the efforts of its graduates in applied science. To grant scholarships and honours in such fundamental subjects as mathematics, physics, mechanics, and chemistry is admittedly right and proper, but to withhold like reward from the graduates who

choose a course in which the principles of these subjects are applied is a phase of our University system not in touch with the times in which we live, or in accordance with long-established English usage. It is gratifying to note that several of the candidates for degrees in mining and metallurgical engineering have in recent years shown an excellence in their examination results as awarded by the English examiners that would have entitled them to honours had the subjects of examination been subjects in which honours are granted by the University.

College and University Examinations.—All candidates for the engineering degrees of the New Zealand University are required first to sit for the College examinations, and after an interval of a week or ten days then to sit for the New Zealand University examinations. The papers set by the College and by the New Zealand University now cover the same ground in all subjects. The College examinations occupy ten or twelve days, the University examinations about ten days—altogether some three weeks. After sitting for the College examinations, the candidates are often quite exhausted and ill prepared to battle with the University papers which follow after a too-short interval. Our present method of examinations is modelled on the ancient Chinese system, which has now been set aside in China by an Imperial edict, dated 1905, in favour of the more rational methods of examination followed in Germany and America. The German system was fully described by the writer in his annual report for the year 1904. It should be noted that these remarks are not intended to apply to the humanities, but only to the subjects taught in applied science.

Mining School Building.—In my last report I called the attention of the Council to the ruinous and dilapidated condition of the Mining School building. I regret to say that the building is still dilapidated, and even more ruinous than before. It is beyond the patching stage. It is not worth patching. A new and suitable building is a most urgent necessity. And in pressing this matter I may perhaps be pardoned for reminding you that two or three Rhodes scholars for New Zealand, and three of the four Otago graduates to whom the 1851 Exhibition Research Scholarship has been awarded, are mining students of our University. Moreover, the Sir George Grey Scholarship has been awarded to a mining student for the past four years in succession. More than this, our graduates have carried the name of the Otago University School of Mines to the most remote parts of the globe, where they are held in high esteem for integrity and professional ability. No mining school in New Zealand or Australia can show a record like that of the Otago School of Mines, and none, not even the most humble, is so badly housed. A new building has now become a matter of necessity.

I have much pleasure in placing on record my appreciation of the zealous and efficient work carried on by Dr. Marshall, Mr. D. B. Waters, and Mr. G. Armstrong, lecturers, and Mr. Norman Shand, demonstrator, in their different departments during the past year. Special acknowledgments are due to Dr. Marshall and Mr. Waters.

Otago University Museum: Report of the Curator.

(Dr. W. B. Benham, B.Sc.)

During the year 1905 the Museum received two valuable and extensive series of specimens—viz., the fine collection of New Zealand birds' eggs belonging to Dr. Fulton and a series of ethnological articles presented by Mr. and Mrs. James Mills. To allow of the proper display of these, rearrangement of some existing exhibits became necessary.

New Exhibits.

The most extensive piece of work has been in connection with the former. Dr. Fulton presented his collection to the Otago Institute, the Council of which body have "deposited" the collection in the University Museum. The acquisition of this fine series of eggs led me to consider a proper means of exhibiting the entire series of our native birds' eggs. Hitherto they have been placed, each on its tablet, on the floor of the upright cases containing the stuffed birds; but not only were they in a bad position for study, but they had become much faded, and were very liable to be broken when the birds were taken out or put back into the cases (and this has, unfortunately, happened in the past). I have now placed the eggs in the table cases in the upper gallery, opposite to the upright cases containing our native birds, and over each case is a baize curtain with rings running over a rod along each side, so that it can be easily pushed up and replaced by persons desiring to examine the eggs. They are thus protected from the influence of the light, but at the same time are readily accessible to the public. Each egg, or a group of eggs of the same species, is mounted on a tablet covered with black velveteen, on which they show up very well. Dr. Fulton's collection contained the eggs of eighty-four species of birds. Of this number twenty-seven were not previously represented in our collection, which already contained the eggs of seventy-four species, so that we now possess the eggs of 102 species of New Zealand birds (including one referred to below) out of a total of about 190 birds attributed to New Zealand. Of these, however, many do not nest in our area, such as several sea-birds; others are occasional visitors, and of others, such as the Notornis, the egg is unknown. In short, this collection is now the finest public collection in the colony.

Another very rare and valuable egg, that of the kea (*Nestor notabilis*), we owe to the generosity of Mrs. George McLean.

In pursuance of a plan outlined in my report for 1904, I have arranged a number of exhibits in illustration of the characteristic features of the mammalia, but owing to insufficient case-room I have been compelled for the present to limit these to examples of dentition in the group. Here is shown the typical structure of a tooth in both superficial and sectional views, each fully labelled

and described. Next is a half-skull of an adult horse with the bones around the bases of the teeth removed to show the roots, and a similar preparation of the skull of a foal, showing the milk-teeth, with the permanent teeth ready to take their place. This serves to illustrate the fundamental peculiarities of the mammalian dentition. Each tooth in the specimen is labelled, and a brief explanation of the preparation is given. Other skulls, such as that of dog, sheep, pig, dolphin, illustrate the chief modifications in dentition adapted to different kinds of food, while the teeth of a cow and a calf and others serve to exhibit certain other matters of interest This series will be continued as time, space, and opportunity permit.

The ethnological department was enriched by the handsome gift of Mr. and Mrs. J. Mills, which consisted of some fifty articles, mostly weapons, collected about twenty-five years ago, chiefly from the islands of Polynesia. In order to exhibit these to advantage, I determined to group all our weapons together, instead of following the usual geographical arrangement. I therefore overhauled our small collection of spears, clubs, &c. Many more or less interesting ones were fastened to the walls high above the cases, so that not only was their beauty invisible, but they were spoilt by the dirt accumulating upon them. These were all taken down, cleaned, and identified, and suitable articles selected for exhibition. Two long, shallow cases were ordered, so that all these weapons—some of them valuable and beautiful specimens of savage workmanship—might be shown together—spears and lances in one case, clubs, paddles, &c., in the second.

In another piece of work I received the invaluable aid of Dr. P. Marshall, who most kindly gave his time to the rearrangement and identification of the specimens of New Zealand rocks, which had remained as they were left by Captain Hutton years ago. Dr. Marshall presented a considerable number of additional specimens, chipped them into a form and size suitable for exhibition, and arranged them in their proper order. Many more specimens are required to complete the series, but this can only be done by reducing the number of specimens of foreign materials. In order to accommodate the additional rock-specimens I removed from exhibition a miscellaneous collection of rocks (many unnamed) from various parts of the world, and to provide space for the dentition series I emptied a case containing relics of the Tarawera eruption, which have now lost most of their interest.

During the Christmas holidays I took the opportunity of rearranging the general collection of minerals, originally arranged and labelled, and many of them presented, by the late Professor Ulrich for the use of the students of the Mining School, by whom they had become a good deal disarranged. As the school of Mines now possesses a teaching-collection of its own, our collection may be considerably reduced, and the superfluous specimens handed over to the school, so as to admit of an extension of our collection of New Zealand minerals and rocks.

It will be seen from the above that a considerable amount of work has been done by myself and the taxidermist, who, of course, can in such matters only act under my immediate direction and supervision.

Additions to the Collections on Exhibition.

In addition to work described above, the following specimens have been added to those already on exhibition:—

New Zealand Zoology.—The fifty species of birds' eggs referred to above as part of Dr. Fulton's collection, and including the kea's egg from Mrs. McLean. An extremely rare, if not extinct, wren (Traversia) from Stephen Island has been purchased and placed in the case containing the Notornis, stitch-bird, and quail. An additional specimen of tuatara, excellently set up by the taxidermist in a very lifelike attitude, is worthy of note. I have also placed a few invertebrates in the Museum cases—namely, a particularly large specimen of the pelagic mollusc (*Firoloides coronata*)—the first of its kind to be found on our shores—which was presented by Mr. W. Fels, and forms the subject of a short article by myself in the forthcoming volume of the Transactions, New Zealand Institute; an interesting sea-slug (*Notarchus glaucus*); a land nemertine (*Geonemertes novæ-zealandiæ*); a rare crab (*Ommatocartinus macgillivray*), received from Mr. G. M. Thomson; and a pair, male and female, of gigantic wetas (*Hemideina broughi*), from the West Coast, which have been mounted in a novel fashion in alcohol. Disarticulated specimens of several of our native cerripedes have also been added.

Foreign Zoology.—A cast of the skull and feet of Phenacodus—an extinct animal, which is the representative of the ancestral group of mammals from which many of the existing orders are descended. A cast of the skull of an ancient horse (Mesohippus) is placed alongside a skull of an existing horse, in order to show the changes that have occurred in the evolution of the latter; also casts of the teeth of a series of horse-ancestors. I have also placed in the cases the stuffed feet of cow, pig, tapir, horse, elephant, to illustrate the classificatory terms used on the labels of these cases; a pair of specimens of a pouched rat (Thomomys), so set up as to exhibit the characteristic cheek-pouches; and the smallest mammal known, a shrew (*Sorex alpinus*), from Europe.

Geology, Mineralogy, &c.—A small, but interesting collection of some twenty minerals and metallic ores from New Caledonia was presented by Mr. W. Manning, and has been temporarily placed in a case in the first gallery; some of these will later be incorporated in the general collection of minerals. A few other minerals have also been added to the New Zealand series and to the general collection.

Ethnology.—I have already referred to Mr. Mills's collection. It consists of some fifty articles, including some rare forms of clubs and spears from Fiji, spears from New Ireland, Solomon Islands, and elsewhere; a few personal ornaments, such as a necklace of cachalot's teeth, from Fiji, Malay hats, &c., and other articles.

Summary of Acquisitions during 1905.

Local Zoology.—About a hundred and forty entries occur in the register, but in the case of Dr. Fulton's collection of eggs each entry often includes several specimens. The great majority of

the specimens thus registered are gifts from various residents in the city and Otago. Some have been collected by myself, others purchased. The more interesting have been placed on exhibition, and they have been noted above; others are stored—either for future research or for exchange.

Foreign Zoology.—Under this head I need refer only to various insects kindly sent to me by Messrs. Bull and Burton, who receive them from the islands amongst fruit; also I owe thanks to Mr. Brookes for the gift of the legs of the trotter "Engineer," which have been placed in the showcase.

Geology, &c.—In addition to the casts of Mesohippus and Phenacodus and the collection of minerals from New Caledonia, presented by Mr. W. Manning, the most important acquisition is a collection of some fifty fossils from Australian Palæozoic rocks, presented by Mr. H. Sargeant, A.O.S.M. These are extremely useful to me for teaching purposes. The stumps of fossil trees from Waikawa were given by Mr. Robertson, and various fossils by Dr. Marshall and others.

Ethnology.—The gift of articles from Polynesia, &c., by Mr. and Mrs. James Mills, and a few small objects from other people.

List of Donors of New Zealand Specimens.

W. A. Bathgate, beetles and moths; Miss Bertha Brook, of Evans Flat, beetles; R. Browne, Geonemertes and Helicopsyche; N. L. Buchanan, of Nelson, various earthworms; C. W. Chamberlain, a fine cachalot's tooth; Dr. Chilton, of Christchurch, various annelids, a leech, &c.; Mr. Earle, a stone-fly; W. Fels, a Firoloides; Dr. Fulton, collection of birds' eggs; F. G. Gibbs, Nelson, various earthworms &c.; R. Given, a fossil leaf; C. Hayward, fossil oysters from Catlin's; R. Henry, of Pigeon Island, teal, thrush, and Doris; Dr. James Hudson, of Nelson, a large annelid; Mr. Jackson, of the Drainage Board, bones of seal dug up 12 ft. below the surface; J. McLachlan, of Balmoral, larva of a fly; Dr. P. Marshall, rocks and fossils; Miss Mestayer, of Wellington, molluscs; A. Reynolds, of Round Hill, Southland, a Gordius worm; W. Robertson, of Waikawa, stumps of fossil trees; J. Patrick Shaw, gigantic wetas from the West Coast; Mr. Smith, of Middlemarch, a weta; Mrs. Spencer, a moth; H. Suter, of Auckland, numerous annelids, earthworms, some leeches, Notarchus, &c.; Mr. Telford, of Clinton, a white-throated shag; G. M. Thomson, beetles: D. Thomson, earthworms, shells, &c.; D. W. Tomlinson, a Gordius worm; Captain Waller, s.s. "Victoria," two tuataras; W. Webster, of Inch-Clutha, a spider.

To the above donors I have already sent formal acknowledgments of their gifts, and I should like to state that specimens of native insects, spiders, birds, fishes, &c., especially if uncommon, will be gratefully received and promptly acknowledged.

General.

During the coming year I propose to exhibit a small collection of birds and other objects at the International Exhibition.

The work of a curator is not confined to looking after the exhibits: I not unfrequently am asked to identify animals forwarded to me through the post or brought to the Museum, and I am always glad of the opportunity of giving such assistance.

The Museum is, I am pleased to note, being utilised by school-teachers for purposes of instruction. Several batches of children have recently been taken round the collections by their teachers, and I should be glad to see more use made of the institution, especially if the teachers would have some definite aims, some definite objects to discourse upon, in taking their pupils round. I am endeavouring to make the collections as self-instructive as it is possible for one man to do by means of labels, but the task is a long one, and can only be carried on spasmodically at that time of the year when I am not occupied by teaching.

The attendance of the public continues good, and it is to be regretted that we have no method of enumerating our visitors, who on holidays and Sundays amount to several hundreds during the day.

The Museum has been opened every week day and Sunday throughout the year, with the exceptions of Good Friday, Christmas Day, and Labour Day, and on one or two other days.

THE MEDICAL SCHOOL: REPORT OF THE DIRECTOR (PROFESSOR JOHN H. SCOTT, M.D., M.R.C.S.)

THE number of students attending the school during the present session is eighty.

The new building containing the laboratories and other rooms required for the teaching of physiology was ready for use in time for last summer session, and this department is now in full working-order. The increased accommodation now makes it possible to teach the subject in a thoroughly practical manner, and this important branch of medical education is now receiving the attention that is its due.

Greatly improved accommodation has also been provided for pathology.

Various changes are also in progress in the anatomical department. When these are completed the specimens in the Museum will be displayed to much greater advantage; and a large reading-room containing many teaching-models and other things of use to students will be provided. The want of such a room has been felt for many years.

A short course of lectures on mental diseases was given during the summer session. This should prove a very valuable introduction to the chemical work done at the Seacliff Asylum.

Balance-sheet of the University of Otago for the Year ending 31st March, 1906.

Receipts.	£	s.	d.	*Expenditure.*	£	s.	d.
Balance, 31st March, 1905	3,443	16	11	Overdraft Building Account, 1st April, 1905	480	2	9
Rents—				Salaries—			
Burwood and Mararoa	1,300	0	0	Professors and lecturers	7,825	0	0
Barewood	900	0	0	Assistants	408	4	2
Benmore	3,000	0	0	Office and janitor	375	6	8
Forest Hill	40	0	0	Museum attendants	263	0	0
Run 79c, Barewood	16	19	6	Apparatus and material—			
Museum Reserve	400	0	0	Biological	39	6	1
Castle Street leases	215	0	0	Chemical	108	17	1
Professors' houses	240	0	0	Physical	21	2	11
Government grant to School of Mines	500	0	0	Physiological	204	15	4
Arrears of School of Mines	250	0	0	Pathological	72	0	1
Government specialisation grant	1,625	0	0	School of Mines	130	7	0
Arrears of "	375	0	0	Repairs and alterations—			
Church Board of Property	1,800	0	0	Main buildings	30	0	0
Fees	3,672	5	1	Medical School	121	4	4
Goldfields revenue	32	4	6	School of Mines	17	18	2
Interest on invested funds	470	8	3	Museum	129	4	9
" Scholarship and Prize Funds	129	1	9	Professors' houses	33	0	9
Barewood timber	10	10	3	Asphalting path	24	16	8
Interest on hot-water supply	9	0	0	Water, fuel, and light	229	3	6
Analyst's fee	25	0	0	Class fees, professors and lecturers	2,628	3	0
Battery returns	1	19	0	Law-costs	21	7	5
Interest on Mrs. Lothian's legacy	28	10	0	Library	69	7	4
Incidental receipts	4	6	0	Insurance	45	4	0
Endowment Fund collected by Registrar	23	2	0	Printing, advertising, and stationery	115	9	10
Building Account—				Bank charges, £7 2s.; interest on overdraft, 19s.	8	1	0
Cash balance paid over by Endowment Commissioners	750	12	5	Interest on loan	720	0	0
Sale of debentures	1,200	0	0	Commission to Government for administering reserves	141	3	8
Government grant	2,000	0	0	Expenses of appointing new professor	113	19	2
				Expenses—			
				Medical School	143	5	11
				School of Mines	19	8	3
				Museum	16	0	4
				General	167	18	10
				Building Account per ledger	3,510	12	1
				Balance, 31st March, 1906	4,229	4	7
	£22,462	15	8		£22,462	15	8

School of Mines.

	£	s.	d.		£	s.	d.
From General Account—				Salaries—			
Government subsidy, balance grant from 1904–1905	250	0	0	Director and lecturers	1,200	0	0
First half ordinary grant, 1905–1906	250	0	0	Proportion of salaries of professors	400	0	0
Second half ordinary grant, 1905–1906	250	0	0	Assistant	65	0	0
Battery returns	1	19	0	General expenses	245	1	2
Fees, mining classes	306	5	6	Proportion of insurance	9	0	0
From General Account	860	16	8				
	£1,919	1	2		£1,919	1	2

Museum.

	£	s.	d.		£	s.	d.
Rent of Museum Reserve	400	0	0	Salary of Curator	250	0	0
From General Account	276	16	0	Attendance and maintenance	426	16	0
	£676	16	0		£676	16	0

Building.

	£	s.	d.		£	s.	d.
Government subsidy	2,000	0	0	Overdraft, 1st April 1905	480	2	9
Proceeds twelve debentures University of Otago Endowment Fund	1,200	0	0	Accounts—			
Lodgment in bank, ditto	750	12	5	Contracts, Messrs. Wood	3,045	3	10
From General Account	40	2	5	Architect and inspector	314	15	0
				Interest and bank charges	63	18	0
				Alterations and sundries	86	15	3
	£3,990	14	10		£3,990	14	10

Investments, Debentures.

	£ s. d.		£ s. d.	£ s. d.
General Account	9,421 2 4	Dunedin Stock Exchange, 4 per cent.	1,822 8 5	
		New Zealand Government, 4 per cent.	6,500 0 0	
		Dunedin C. and S. Tramways, 4 per cent. ..	385 0 0	
		Borough of Mornington, 4½ per cent.	713 13 11	
				9,421 2 4
		Interest for year, £380 8s. 3d.		
Harris Endowment Fund	2,100 0 0	Dunedin C. and S. Tramways, 4½ per cent. ..	2,000 0 0	
		New Zealand Government, 4 per cent.	100 0 0	
				2,100 0 0
		Interest earned, £90.		
University of Otago Endowment Fund ..	2,200 0 0	New Zealand Government, 4 per cent.	2,200 0 0	
				2,200 0 0
		No interest earned for year ended 31st March, 1906.		
Scholarship and Prize Funds	3,178 17 8	Dunedin Stock Exchange, 4 per cent.	2,677 11 7	
		Dunedin C. and S. Tramways, 4 per cent. ..	115 0 0	
		Ditto, 4½ per cent. ..	100 0 0	
		Borough of Mornington, 4½ per cent.	286 6 1	
				3,178 17 8
		Interest earned, £129 1s. 9d.		
	£16,900 0 0			£16,900 0 0
		Total interest earned: £380 8s. 3d., £90, £129 1s. 9d.		£599 10 0

Medical School.

	£ s. d.		£ s. d.
Government grant specialisation ..	2,000 0 0	Salaries of professors and lecturers ..	2,475 0 0
Interest on Wolf Harris endowment ..	90 0 0	„ assistants	224 10 0
Fees	173 15 6	Proportion of salaries of Professors of Biology, Chemistry, and Physics ..	600 0 0
From General Account	1,860 19 6	Proportion of expenses of departments of biology, chemistry, and physics ..	163 13 0
		Proportion of insurance	15 0 0
		Expenses (including apparatus, repairs, fuel and light, and incidental expenses) ..	646 12 0
	£4,124 15 0		£4,124 15 0

University of Otago Endowment Fund.

	£ s. d.		£ s. d.
Received from Endowment Commissioners in debentures	3,400 0 0	By Balance, debentures	2,200 0 0
Less debentures sold and proceeds transferred to Building Account	1,200 0 0		
	£2,200 0 0		£2,200 0 0

Macandrew Scholarship Account.

	£ s. d.		£ s. d.
Balance, 31st March, 1905	859 15 5	Proportion bank charge	0 1 4
		Balance—	
		Debentures	793 19 1
		Current account, Bank of New Zealand	65 15 0
	£859 15 5		£859 15 5

Macgregor Prize Fund Account.

	£ s. d.		£ s. d.
Balance, 31st March, 1905	129 6 9	Holder	4 0 0
		Proportion bank charge	0 1 1
		Balance—	
		Debentures	124 19 4
		Current account, Bank of New Zealand	0 6 4
	£129 6 9		£129 6 9

Parker Memorial Prize Fund Account.

	£ s. d.		£ s. d.
Balance, 31st March, 1905	52 0 0	Holder	2 0 0
		Balance, debenture	50 0 0
	£52 0 0		£52 0 0

Richardson Scholarship Account.

	£ s. d.		£ s. d.
Balance, 31st March, 1905	854 14 3	Holder	25 0 0
		Proportion bank charge	0 2 2
		Balance—	
		Debentures	823 2 3
		Current account, Bank of New Zealand	6 9 10
	£854 14 3		£854 14 3

Sir George Grey Scholarship Account.

	£ s. d.		£ s. d
Grant, Education Department	50 0 0	Holder	50 0 0

Sir Walter Scott Scholarship Account.

	£ s. d.		£ s. d.	£ s. d.
Balance, 31st March, 1905	315 3 6	Proportion bank charge		0 1 1
		Balance—		
		Debentures	£ s. d. 303 9 11	
		Current account, Bank of New Zealand	11 12 6	
				315 2 5
	£315 3 6			£315 3 6

Stuart Prize Fund Account.

	£ s. d.		£ s. d.	£ s. d.
Balance, 31st March, 1905	104 0 10	Holder		3 0 0
		Proportion bank charge		0 1 9
		Balance—		
		Debentures	£ s. d. 100 0 0	
		Current account, Bank of New Zealand	0 19 9	
				100 19 9
	£104 0 10			£104 0 10

Taieri Scholarship Account.

	£ s. d.		£ s. d.	£ s. d.
Balance, 31st March, 1905	327 16 4	Proportion bank charge		0 1 1
		Balance—		
		Debentures	£ s. d. 316 7 8	
		Current account, Bank of New Zealand	11 7 7	
				327 15 3
	£327 16 4			£327 16 4

Ulrich Prize Fund Account.

	£ s. d.		£ s. d.	£ s. d.
Balance, 31st March, 1905	67 12 0	Proportion bank charge		0 1 1
		Balance—		
		Debenture	£ s. d. 65 0 0	
		Current account, Bank of New Zealand	2 10 11	
				67 10 11
	£67 12 0			£67 12 0

Women's Scholarship Account.

	£ s. d.		£ s. d.	£ s. d.
Balance, 31st March, 1905	624 17 7	Holder		15 0 0
		Proportion bank charge		0 1 1
		Balance—		
		Debentures	£ s. d. 601 19 5	
		Current account, Bank of New Zealand	7 17 1	
				609 16 6
	£624 17 7			£624 17 7

INTEREST ACCOUNT.—No. 3 Loan: Building Purposes, £15,000; Reclamation Purposes, £1,000.

	£	s.	d.		£	s.	d.
From General Account	720	0	0	Interest paid on loan at 4½ per cent. ..	720	0	0

DEBENTURE ACCOUNT under "Dunedin Savings Bank Profits Act, 1878," and Amending Act, 1902.

	£	s.	d.		£	s.	d.
Balance, 31st March, 1905—Debentures ..	6,500	0	0	Balance, 31st March, 1906—Debentures ..	6,500	0	0

WOLF HARRIS ENDOWMENT ACCOUNT.

	£	s.	d.		£	s.	d.
Balance, 31st March, 1906—				Balance, 31st March, 1906—			
Debentures and current account, Bank of New Zealand	2,097	17	9	Debentures	2,100	0	0
Accrued interest £1 4 2							
From General Account .. 0 18 1							
	2	2	3				
	£2,100	0	0		£2,100	0	0

BALANCES.

Cr.	£	s.	d.	*Dr.*	£	s.	d.	£	s.	d.
General Account	4,229	4	7	By Balance at Bank ..	1,627	16	8			
Scholarships and prizes—				Less unpresented cheques ..	319	14	5			
Richardson Scholarship Account ..	829	12	1					1,308	2	3
Sir Walter Scott Scholarship Account ..	315	2	5	Balance Scholarship Account				104	19	0
Taieri Scholarship Account	327	15	3	Savings-bank debentures				6,500	0	0
Women's Scholarship Account ..	609	16	6	Wolf Harris Endowment				2,100	0	0
Macandrew Scholarship Account ..	859	14	1	University of Otago Endowment Fund ..				2,200	0	0
Macgregor Prize Fund Account ..	125	5	8					674	18	0
Stuart Prize Fund Account	100	19	9					384	5	11
Ulrich Memorial Prize Fund Account ..	67	10	11	Debentures—				297	1	3
Parker Prize Fund Account	48	0	0	General				100	0	0
Dunedin Savings-bank Debenture Account	6,500	0	0					366	3	3
Wolf Harris Endowment Fund Account ..	2,100	0	0					385	0	0
University of Otago Endowment Fund ..	2,200	0	0					713	13	11
				Scholarships and prizes—						
				Macandrew Scholarship Account ..				793	19	1
				Macgregor Prize Fund Account ..				124	19	4
				Parker Prize Fund Account				50	0	0
				Richardson Scholarship Account ..				823	2	3
				Sir Walter Scott Scholarship Account ..				303	9	11
				Stuart Prize Fund Account				100	0	0
				Taieri Scholarship Account				316	7	8
				Ulrich Memorial Prize Fund Account ..				65	0	0
				Women's Scholarship Account ..				601	19	5
	£18,313	1	3					£18,313	1	3

W. A. MASON, Registrar.

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