

SESSION II.  
1906.  
NEW ZEALAND.

EDUCATION:  
THE CANTERBURY COLLEGE.

("THE CANTERBURY COLLEGE AND CANTERBURY AGRICULTURAL COLLEGE ACT, 1896.")

[In continuation of E.-8, 1905.]

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

*Visitor.*—The Minister of Education.

*Board of Governors* (Charles Lewis, M.H.R., Chairman).

Appointed by His Excellency the Governor—The Right Rev. John Joseph Grimes, D.D.; the Right Rev. Churchill Julius, D.D.; and Mr. Charles Reid.

Elected by members of the Legislature—Rev. Robert Erwin, D.D.; Mr. George John Smith, and Mr. John Lee Scott.

Elected by graduates—Very Rev. Canon Harper, M.A.; Mr. Thomas Scholfield Foster, M.A.; Mr. William Hugh Montgomery, B.A.; Mr. George Warren Russell; Mr. Charles Lewis, M.H.R.; and Mr. Alfred George Talbot, M.A., M.B.C.M., M.R.C.S.

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

Elected by School Committees—Mr. Thomas William Adams; Mr. Charles Henry Adolphus Truscott Opie; and Mr. Benjamin Michael Moorhouse, M.B.C.M., M.R.C.S.

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

*Registrar*—Mr. Alexander Cracroft Wilson.

*Professors.*—Classics—F. W. Haslam, M.A. Mathematics and Natural Philosophy—C. H. H. Cook, M.A. Engineering and Electricity—Mr. R. J. Scott, M.I.C.E., M.I.M.E. Chemistry and Physics—W. P. Evans, M.A., Ph.D., Giessen. French and German—T. G. R. Blunt, M.A. Biology and Palæontology—Charles Chilton, M.A., D.Sc., M.B.C.M., F.L.S. English Language, Literature, and History—Arnold Wall, M.A.

*Part-time Lecturers.*—Geology—Robert Speight, M.A., B.Sc. Jurisprudence and Law—G. T. Weston, B.A., LL.B. Economics, History, and Commerce—James Hight, M.A. Mental Science—C. F. Salmond, M.A. Music—J. C. Bradshaw, Mus. Doc., F.R.C.O., L.R.A.M., A.R.C.M. Education—Edwin Watkins, B.A.

*School of Engineering and Technical Science.*—Professor in Charge—Robert J. Scott, M.I.C.E., M.I.M.E.

*Girls' High School.*—Lady Principal—Miss M. V. Gibson, M.A.

*Boys' High School.*—Headmaster—C. E. Bevan-Brown, M.A.

*Museum.*—Curator—Edgar R. Waite, F.L.S.

*School of Art.*—Director—R. Herdman Smith, A.M., F.S.A.M.

*Public Library.*—Librarian—H. Strong.

ANNUAL STATEMENT OF THE CHAIRMAN OF THE BOARD OF GOVERNORS.

At the meeting of the Board of Governors of Canterbury College held on the 30th April, 1906, the Chairman's statement of the progress made and work done in the several departments during the year was read as follows:—

[Some details are omitted in this reprint.—SECRETARY, EDUCATION.]

The present is the thirty-third annual report and statement of the Chairman of the Board of Governors since the establishment of the institution in 1873, and the tenth since the passing of "The Canterbury College and Canterbury Agricultural College Act, 1896."

BOARD OF GOVERNORS.

Mr. Charles Lewis continued as Chairman of the Board to the 3rd July, 1905, when he was re-elected for the ensuing year.

The seat of the Right Rev. Bishop Julius was declared vacant owing to his absence from the colony for six consecutive months. On his return in February His Excellency the Governor re-appointed him.

All the members who retired on the 30th June were re-elected.

## THE COLLEGE.

NUMBER OF STUDENTS.—The following table shows the number of matriculated and non-matriculated students who have attended lectures since the year 1898, to date :—

		Matricu- lated.	Non-matricu- lated.	Total.		Matricu- lated.	Non-matricu- lated.	Total.
1898	...	131	56	187	1902	151	74	225
1899	...	117	65	182	1903	167	82	249
1900	...	125	93	218	1904	210	67	277
1901	...	148	72	220	1905	200	77	277

The number of students attending each lecture during the last term of 1905 was as follows :—

*Classics*.—Pass Latin : Translation, 46 ; composition, 38. Greek : Translation, 3 ; composition, 4. Honours Latin, 6. Pass Latin, teachers' class, 10.

*English Literature and Language*.—Pass lectures : History and structure of the English language, 39 ; Anglo-Saxon and Middle English, 39 ; literature and set books, 77 ; essay class, 28. Honours lectures : Anglo-Saxon and Middle English, 4 ; philology, 3 ; literature and set books, 38.

*English History*.—History of England, 6.

*Mathematics*.—Pass pure mathematics : Lower Division, 13 ; Upper Division, 43. Pass mechanics and hydrostatics, 19. Mathematics for engineering students : Stage II, 15 ; Stage III, 4. Honours mathematics : Section I, 4 ; Section II, 2 ; Section III, 3 ; Section IV, 3. Honours elementary mechanics and hydrostatics, 6.

*Chemistry*.—Introductory, 13 ; pass, 15 ; elementary organic, 4 ; problem class, 3. Advanced : Section I, 0 ; Section II, 1. Practical chemistry : Elementary (in connection with introductory lecture), 5 ; pass (general course), 24 ; pass (teachers only), 5 ; elementary organic, 3 ; advanced, 3.

*Sound, Light, and Heat*.—Pass, 21 ; honours, 0. Practical sound, light, and heat : Pass, 16 ; honours, 0.

*Biology*.—Pass general biology, 25 ; honours general biology, 2 ; practical general biology, 26 ; pass botany, 4 ; pass practical botany, 5 ; honours botany, 1 ; practical botany (honours and research), 1 ; pass zoology, 4 ; pass practical zoology, 2 ; honours zoology, 0.

*French*.—Pass lectures : Composition, 12 ; authors, 21 ; sight translation and grammar, 22 ; literature, 15 ; composition (teachers' class), 0. Honours lectures : Composition, 15 ; authors, 3 ; essay class, 1 ; philology, 6 ; literature, 3.

*German*.—Books, 4 ; philology and composition, 5 ; literature, 3 ; German for beginners, 6.

*Jurisprudence and Law*.—Pass jurisprudence, 11 ; honours jurisprudence, 2. Law : Equity, 9 ; Roman law, 6 ; international law, 5 ; evidence, 8 ; torts, 7 ; personal property, 11.

*Constitutional History*.—Pass, 11 ; honours, 3.

*Political Economy*.—Pass, 19 ; honours, 3.

*Mental Science*.—Pass, 27 ; honours, 2.

*Geology*.—Historical and physical geology (second year's course), 6 ; mineralogy and petrology (first year's course), 8 ; palæontology (first year's course), 4 ; honours geology, 0 ; elementary geology, 8.

*Music*.—Rudiments of music (junior first-year students), 3 ; harmony (intermediate second-year students), 7 ; harmony, counterpoint (senior third-year students), 7 ; rudiments and harmony (evening class), 5 ; history of music, 7 ; advanced harmony, counterpoint, &c., 1 ; form in composition, 3 ; ear-training and musical dictation, 5.

A change has been made in the music lectures which should increase their value, particularly to students who are preparing for the various examinations in music. The lectures are now divided over three terms in each year instead of two only, so that students may have the advantage of tuition in theory at the same time as in practical work, the dates of the lectures and of the vacations coinciding with those of the music lectures.

*Associated Board of the Royal Academy of Music and the Royal College of Music*.—Sixty candidates sat for the theoretical examinations which were held in June last ; of these, fifty were successful in passing. The practical examinations, which are usually held in October or November, have been unavoidably postponed until the end of March next, owing to the serious breakdown in health of the examiner (Mr. Graham P. Moore), which necessitated sending to England for another gentleman to take up and complete the examination-work in New Zealand. There are 183 candidates in practical subjects, and the examinations will be conducted by Mr. T. F. Dunhill.

**HAYDON PRIZES**.—On his leaving this colony for England last year, Mr. Joseph Haydon made a donation of £200 to the College to establish two prizes, one for proficiency in physics (sound, light, heat, electricity, and magnetism) and the other for proficiency in chemistry. The actual conditions of award are to be decided by the Professorial Board. Though the capital sum will not be handed over to the Board of Governors until September this year, yet one year's interest will be paid by Mr. Haydon's solicitors at 4 per cent., and thus the prizes will be available at the end of this academic year.

**SUCCESSFUL STUDENTS**.—The number of students who were recorded by the University as having passed in their respective examinations was : Doctor of Literature, 1 ; honours and also degree of Master of Arts, 3 ; Master of Arts, 1 ; Bachelor of Arts—final section 10, first section 18 ; certificate of proficiency—M.A. standard 1, B.A. standard 3 ; Master of Laws, 1 ; Bachelor of Laws—final section 2, second section 5, first section 2 ; honours and also degree of Master of Science, 2 ; Bachelor of Science—final section 3, first section 1 ; Bachelor of Engineering—mechanical, final section 3, electrical, final section 4, part of second section 7, first section 9, part of first section 5.

Of the seven Senior Scholarships awarded by the University, three were gained by students of the College.

The usual College exhibitions given for excellence in honours work at the annual College examination were awarded.

The number of students who have succeeded in passing the various examinations for degrees given by the University of New Zealand are as follows: M.A., 152; B.A., 226 (some of whom are still eligible to compete for the M.A. degree); LL.D., 2; LL.B., 10; M.Sc., 2; B.Sc., 11; B. Engineering, 21; Mus. Bac., 3; 2 art graduates have also obtained the degree of LL.D.; 3 that of D.Sc.; 1 that of Litt. D.; 1 that of LL.M.; 18 that of LL.B.; 23 that of B.Sc.; 1 that of B. Engineering; 1 science graduate has also passed the examination for the degree of B. Engineering.

Since the foundation of the University of New Zealand, 137 graduates in arts and science have been awarded first-class honours; 59 of these belong to Canterbury College. Of the 11 double first-class honours awarded by the University, 10 were gained by students from this College.

Of the 199 Senior and Third Year and John Tinline Scholarships awarded by the University of New Zealand during the last twenty-nine years (the period during which the present scholarship regulations have been in force), 97 have been awarded to students of Canterbury College.

Of the 27 Bowen Prizes which have been awarded by the University for an essay on a subject connected with English history, and open to all undergraduates of the University of New Zealand, 19 have been gained by students of this College, whilst the only four mentioned as "*proxime accessit*" have also been of this College.

Mr. Henry George Denham, M.A., was awarded an 1851 Exhibition Science Scholarship for research work in chemistry. This is the first time that such a scholarship has been awarded to a Canterbury College graduate on a chemical thesis.

#### GIRLS' HIGH SCHOOL.

The general working of the school was carried on during the year on almost entirely the same lines as in former years, as owing to the want of more class-rooms it was quite impossible to introduce new features, or even to make the most urgently needed changes, such as the subdivision of classes too large or too unequal in attainments to be taught to the best advantage by one teacher.

The roll-number for the first term was 169, for the second term 170, and for the third 166, with an average attendance of 153. It is certain that these numbers will be fully maintained during 1906, and there is every probability that, if increased accommodation could be provided, they would rise still further, as no applicants were admitted into the Lower Department owing to lack of room.

For various reasons the Governors decided not to appoint outside examiners, and the Inspector-General was unable to visit the school, so that there was no formal outside examination of the year's work except in the case of Form VI Upper. The whole of this form were examined on their year's work in Latin and English by the examiners appointed by the Board of Governors to award the Helen Macmillan Brown Memorial Prize. The highest mark awarded by Mr. C. F. Bourne, the examiner in Latin, was 86 per cent., and the lowest 65 per cent., the average being 76 per cent. In English, the examiner, Mr. J. Hight, M.A., gave as highest mark 81 per cent., as lowest 56 per cent., the average being 69 per cent.

No less than fifty-eight pupils in all were entered for various public examinations held during the month of December, the respective numbers and results being as follows:—

Junior University Scholarship Examination, seven entered. Mary Barkas gained a Junior University Scholarship, and Irene Wilson and Margaret Farrow the two Gammack Scholarships for the year, while the remaining four candidates were all classed in the credit list.

For the Matriculation Examination there were 13 entries, and 11 passed.

For the North Canterbury Education Board Senior Scholarships four pupils entered. Annie Hulston, Catherine Reynolds, and Ada Fairbairn won scholarships, while the remaining candidate qualified on the examination, coming next to the lowest winner of a scholarship.

For the Junior Civil Service Examination 13 entered and 9 passed, 7 being placed in the credit list; and for the Senior Free Place Examination 21 entered and 12 passed.

The health of the pupils has throughout the year been generally very good, and the conduct and discipline satisfactory.

At the beginning of the third term Miss Gresson returned from Paris, where she has been studying for the past two years on leave of absence, and resumed duties; while Miss Bing left on leave for two terms owing to ill health.

The general working of the Government free-place system has proved satisfactory, and will be further improved when the new regulations of October of this year come into force; but what seems too large a percentage of scholars have resigned their privilege before the expiration of the two years allowed. The actual numbers are: Admitted during 1904, 46; resigned during 1904, 8; resigned during 1905, 6; completed the two-years course, but did not sit for examination, 7; admitted during 1905, 63; resigned during 1905, 5. The urgent need for increased class-room and cloak-room accommodation and for the provision of a properly equipped science-room is too self-evident, and has been too frequently referred to before, to need further comment.

The conduct of the approved school boardinghouse has been quite satisfactory, while the number of boarders shows an increase, seven girls having been in residence there during the last term.

#### BOYS' HIGH SCHOOL.

In 1905 the Board of Governors gave free education to 50 pupils, of whom 8 were Board of Education scholars and 3 National scholars, and there were in addition 6 Board scholars and 1 National scholar paying fees. At the end of the year the Government issued new regulations, which removed the Board's previous objections to clause 87, and practically met the Board's wishes. The Board decided, therefore, to give free places in accordance with clause 87, and to extend the benefits to all qualified boys

in the school. In future all scholars and all boys under fourteen years on the 1st December preceding date of admission who have obtained qualifying marks at the Junior National Scholarship and Free Place Examinations, or at the Education Board Scholarship Examination, will be entitled to junior free places, and they may qualify at these examinations coming from any school—secondary, private, or public. Senior free places, tenable until the holder reaches his nineteenth birthday, will be given to any boy who passes Matriculation Examination, or the Junior Civil Service Examination with credit; also to any boy who, being under sixteen, passes the Junior Civil Service Examination or qualifies for a Senior Education Board Scholarship.

M. Malaquin was granted leave of absence from the end of August, for six months, in order to visit Europe.

The distinctions won during the year were as follows: Among former pupils, Mr. J. G. Lancaster obtained his B.Sc. with double first-class honours in mathematics and electricity; Mr. A. E. Currie obtained his M.A. with second-class honours in English and French; and Mr. H. G. Denham, M.A. with first-class honours in chemistry. Mr. F. Kissell obtained his B.Sc. in engineering, and Mr. J. R. Cunningham his LL.B. Messrs. C. M. Stubbs and T. H. Harrison won exhibitions at Canterbury College for mathematics and chemistry respectively. Mr. R. W. McCullough won the Sir George Grey Scholarship at Otago University. Mr. A. B. Webster obtained his M.A. at Edinburgh with first-class honours, and was appointed lecturer in English literature at Edinburgh University.

Of present pupils, D. B. MacLeod won a Junior University Scholarship; D. L. Sinclair, C. M. Bevan-Brown, and A. H. Amess were placed on the credit list; eight boys passed Matriculation or Medical Preliminary; four passed the Junior Civil Service Examination with credit, and out of the nine Senior Scholarships given by the Board of Education six were won by pupils of the school.

It is right to mention among the distinctions of the year that the school won the President's Cup at football, and the Secondary Schools' Cup at the amateur athletic meeting. It is also a pleasure to record the fact that three of the New Zealand football team who have recently been visiting England were old pupils of the school—viz., Messrs. R. G. Deans, E. T. Harper, and H. D. Thompson.

The school roll at the end of the year was 190, of whom 13 were in the Preparatory Class. This class is doing excellent work under Mr. Sidney Clark.

Mr. A. G. Johnson, who was appointed temporarily, left at the end of the year, and it was decided that the vacancy should not be filled up for the present.

The Board asked the Inspector-General to conduct an examination of the school at the end of 1905; at the last moment he sent word that he would be unable to do so, and the school was examined by the staff. The three upper forms—most of whose members were in for the University examinations—were judged by the examinations of the first and second terms and the class marks of the second and third terms, but were not examined at the end of the third term in order to avoid the strain of a school examination coming immediately before the Matriculation and Junior Scholarship Examinations. The bulk of the school, however, were examined in the third term, and had their work assessed by combining the results of the examinations and class marks of the second and third terms.

Special examinations were held by Professor Wall for the Miller Prize in English Literature, by Professor Blunt for oral French, and by Mr. C. F. Bourne for the Newspaper Prize, who spoke favourably of the work done.

#### CHRISTCHURCH PUBLIC LIBRARY.

*Reference Department.*—In this department 147 volumes have been added by purchase, and 145 volumes and pamphlets were presented during the year, bringing the total number of volumes and pamphlets up to 15,654.

The *American Machinist* has been placed on the tables, and the *Illustrated Official Journal of Patents* (England) is now sent out regularly from the Patent Office, London.

The *Monthly Musical*, *Musical Standard*, and *Musical Times*, which have been donated by the Society of Musicians since 1893, have been stopped.

From the 19th February, 1905, the Reference Library was opened on Sundays from 2 to 5 and 7 to 9 p.m., but on account of the few attending was closed at the end of the year.

From the 14th November, 1904, this department, which was formerly closed at 9 p.m., was kept open an hour later, but on account of the few taking advantage of it it was decided to revert back to the old system of closing at 9 p.m. from the 1st January, 1906.

So far as can be ascertained no books have been stolen during the past year.

More shelving will soon be required for the books in this department.

*Reading-room.*—This department is very largely attended.

The gallery set apart for ladies was closed at the end of the year, as the few attending it (averaging less than six daily) did not warrant the extra expenditure.

*Circulating Department.*—This department was closed from the 8th till the 11th January for distemper the walls and cleaning, advantage being taken at the time to go over the books thoroughly, with the result that 621 volumes have been destroyed on account of their dirty and dilapidated condition. Of this number, 597 represent fiction, 5 travels, 17 magazines (bound), 1 history, and 1 literature.

In addition to the above, during the year 237 volumes have been taken off as unfit for issue, representing 219 fiction, 10 magazines, 5 biography, 2 history, and 1 miscellaneous transferred to the Reference Department. 862 volumes have been added during the year.

The average number of subscribers during the year was 1,869.

A manuscript catalogue is now kept on the counter for the use of subscribers, but the need of a printed one, bringing it up to date, is much felt. At the present time subscribers have to go through all the monthly lists to find out what books there are in the library.

The magazine-room, which was kept open until 10 p.m. during the year, is now closed at 9 p.m. as formerly, on account of the small attendance during the extra hour.

## SCHOOL OF ENGINEERING, ELECTRICITY, AND TECHNICAL SCIENCE.

Report of the Professor in charge (Mr. Robert J. Scott, M.I.M.E., M.I.C.E.) :—

I have the honour to report that during the year 1905, 172 students attended lectures in the School of Engineering, Electricity, and Technical Science, the hour attendances per week amounting to 1,353.

Forty-five students were taking the full courses for the University degree, or the associateship of the school; 6 College students attended lectures in electricity and magnetism.

*Results of Examinations.*—At the University examinations in 1904, 10 students passed part of the first examination and 5 completed the first examination; 5 students passed part of the second examination; and 5 completed their final examination for the degree of Bachelor of Science in Engineering.

*Associateship of the School of Engineering.*—Three students passed the final examination for the Associateship in Mechanical Engineering of the School of Engineering and Electricity, and 1 student that for the Associateship in Electrical Engineering. The passes in these courses in the subjects taught in the School of Engineering were: In freehand mechanical drawing, 5; advanced descriptive geometry, 7; mechanical drawing (advanced, second year), 4; steam-engine (elementary), 8; steam-engine (intermediate), 11; steam-engine (advanced), 4; elementary applied mechanics, 1; applied mechanics, 9; mechanics of machinery, 6; hydraulics and pneumatics, 9; strength of materials (elementary), 6; strength of materials (intermediate), 4; strength of materials (advanced), 3; theory of workshop practice, 3; surveying (elementary), 1; electricity and magnetism, 4; advanced electricity, 2; electrical engineering (intermediate), 1; electrical engineering (advanced), 1; mechanical drawing and designing, 2; mechanical drawing and designing (electrical), 1.

*Evening Students.*—119 certificates were obtained by students attending evening lectures, who passed in the following subjects at the annual examinations:—First Class: Freehand mechanical drawing, 6; descriptive geometry and setting-out work, 7; mechanical drawing, Section I, 6; mechanical drawing, Section II, 6; mechanical drawing, Section III, 1; the steam-engine (elementary), 7; elementary applied mechanics, 2; strength of materials (elementary), 2; elementary electricity, 4; elementary electrical engineering, 2. Second Class: Freehand mechanical drawing, 14; descriptive geometry and setting-out work, 9; mechanical drawing, Section I, 12; mechanical drawing, Section II, 8; mechanical drawing, Section III, 1; elementary steam-engine, 8; elementary applied mechanics, 6; strength of materials (elementary), 6; elementary electricity, 7; elementary electrical engineering, 5.

*Annual Grant.*—The annual grant of £1,500 made by the Government, for the first time, this year has enabled considerable additions to be made to buildings and apparatus, and also the work of the school to be subdivided and specialised, with satisfactory results.

*Courses in Engineering.*—At present nine distinct courses in engineering are open to students. Six of these are day courses, providing the instruction necessary for taking the University degrees of Bachelor of Mechanical, Electrical, or Civil Engineering, and for obtaining the associateship of the School of Engineering in these branches. Three are evening courses: (a) A four-years course for apprentices in mechanical engineering; (b) a three-years course which, with concurrent shop-work, qualifies, by arrangement with the Marine Department, for a third-class marine engineer's certificate; (c) a four-years course for apprentices in electrical engineering.

*Additions to Buildings.*—During the year the erection of a large hydraulics laboratory was approved of by the Board of Governors and its construction begun; a small workshop was built; and an excellent photometric room and two instrument-rooms constructed in the previously waste space of the roof of the existing building. A small lecturer's room was formed in the old stair-well, and a transformer gallery erected in the electrical engineering laboratory.

The Professor in charge having been authorised to expend £900 on plant during his visit to Europe, a large quantity arrived during the year and was set up in the various laboratories.

## MUSEUM.

Report of the Acting-Curator (Dr. Charles Chilton, M.A., D.Sc.) :—

I have the honour to report on the work of the Museum for the year 1905. This duty falls to me owing to the lamented death of the Curator, Captain F. W. Hutton, and I cannot perform it without in the first place recording the great loss caused to the Museum by his death; his width of knowledge of the various branches of science and his acquaintance with the natural history of New Zealand were unequalled, and his name will remain inseparably connected with the foundation of New Zealand geology and zoology.

The late Captain Hutton left for England in March, 1905, and I then took charge of the Museum, and the ordinary work has been carried on as usual since. He took with him a considerable number of duplicates for exchange, so that, beyond this, fewer exchanges have been made than usual. Exchanges have, however, been sent to the Victoria Museum at Launceston, Tasmania, a duplicate specimen of Queensland crocodile was sold, and numerous specimens, most of which are specified below, have been received as exchanges or presentations.

While in England Captain Hutton arranged for the construction of an egg-cabinet for the foreign birds' eggs, and this was received before the end of the year. He also ordered from Messrs. Janson and Son some insect-cabinets and collections of foreign insects; these are being prepared, and will be sent out later on; by arrangement with Messrs. Janson and Son, they have been paid for partly in cash and partly in duplicate specimens of natural history. Captain Hutton also purchased in England a considerable number of ethnological specimens—viz., implements, weapons, &c., from Thibet, and various specimens of British pottery; copies of Queen Victoria's seals, &c.

One hundred and three copies of the guide-book were sold during the year. It will be desirable to have a new edition issued before the opening of the Christchurch International Exhibition.

During the heavy rains last winter it was found that several parts of the roof of the Museum leaked badly, and special precautions had to be taken for the preservation of the specimens. The matter has been already reported to the Board, and an examination by the architect shows that some of the woodwork of the skylights needs replacing, some gutters renewing, and other repairs effected. The expense will be considerable, but the trouble, though more apparent last winter, has been of long and gradual growth, and it is evident that the roof needs a complete overhaul, and the sooner it is thoroughly done the better.

A large amount of work has been done in repainting the interior of some of the show-cases and in improving the display of the specimens, especially in the Foreign Gallery, and the usual precautions have been taken for the security and preservation of the specimens.

The following are some of the chief additions to the various departments :—

*Geological Collections.*—A collection of wind-worn stones, from Mr. John Handley of Wanganui ; a model of the Lower Waimakariri Gorge, prepared and presented by Dr. F. W. Hilgendorf, of Lincoln Agricultural College.

*Foreign Natural History Collections.*—A large collection of foreign birds' eggs and some foreign shells, presented by Mr. E. F. Stead ; specimens of cassowary, lamenting bird, the Cape penguin, leopard shark, and a skeleton of the giant kangaroo.

*New Zealand Collections.*—A skeleton of the North Island moa (*Euryapteryx crassus*) has been mounted and placed in the moa-case, specimens of the Caspian tern and the spotted shag have been added, and the skeleton of the extinct Chatham Island rail has been set up ; a small collection of moths, presented by Mr. Philpotts.

*Archæological Collections.*—A fine collection of ancient Egyptian pottery, presented by the Beni-Hasan Excavation Committee through the Institute of Archæology of the Liverpool University ; copies of the seals used by Queen Victoria, purchased.

*Ethnological Collections.*—Trumpet, exorcising dagger, rosaries, jade ring, &c., from Thibet ; carved Burmese dagger, Lambeth candle-pot, Bristol puzzle jug, and various other specimens of British pottery purchased in England ; specimen of snuffers and tray, &c.

*Library.*—The usual presentations from museums and scientific societies have been received, and the following books have been added by purchase : Hooker and Baker's "Synopsis Filicum" ; Lesquereux and James's "Mosses of North America" ; Dixon and Jameson's "Handbook of British Mosses" ; Pfeffer's "Nomenclator Botanicus" ; and Cook's "Handbook of British Hepaticæ."

#### SCHOOL OF ART.

As compared with 1904, the numbers in attendance were :—

1904.—First term—Morning, 38 ; afternoon, 13 ; evening, 117 ; Saturday, 84 : total, 252. Second term—Morning, 30 ; afternoon, 18 ; evening, 134 ; Saturday, 93 : total, 275. Third term—Morning, 34 ; afternoon, 18 ; evening, 139 ; Saturday, 102 : total, 293.

1905.—First term—Morning, 29 ; afternoon, 36 ; evening, 141 ; Saturday, 77 : total, 283. Second term—Morning, 29 ; afternoon, 42 ; evening, 144 ; Saturday, 83 : total, 298. Third term—Morning, 27 ; afternoon, 40 ; evening, 147 ; Saturday, 92 : total, 306.

This shows an increase of sixty-six on the previous year, the increase being mainly in the afternoon and evening classes.

*Drawing and Painting.*—Instruction has been given in drawing and painting from life, still life, landscape from nature, and drawing from the antique.

A number of new casts have been obtained for use in this department.

*Modelling, Moulding, and Casting* was carried on as in previous years, being attended by painting students as well as those taking applied art. Professor Lanteri's casts were obtained for this department, giving a bust in three stages for modelling.

*Applied Art-work.*—The classes in this department have been larger than in previous years, especially in repoussé and carving. The class in plant-form and its relation to design was very well attended.

*Painters' and Decorators' Work.*—The judges appointed by the Painters' Union state the work in this section has greatly improved, most particularly in writing. The stencilling was also of a high order, and the judges had considerable difficulty in awarding the prizes.

A written decorated panel was considered worthy of a special prize.

*Decorative Design* was taken in the morning and also in the evening, and was worked on with the other classes as much as possible.

*The Tinsmiths' Geometry Class* was not held, there not being enough applications to make a class worth starting.

*Geometry and Perspective.*—The classes in these subjects were well attended, and the work has been of a very practical nature.

*Instruction to Teachers and Pupil-teachers* has been the same as last year. The work was in accordance with the syllabus of the Education Department for teachers' certificates.

*Architecture and Building-construction.*—The students of the architectural class have shown a great deal of interest in their work throughout the year, and have put in some very creditable work. The studentship has been won by a young student who has widened his desire to succeed and has submitted some good work.

*The Advanced Building-construction Class* has had fewer students this year, the reason being that the students from the elementary class of the previous year did not come for the advanced course.

*The Elementary Class* this year has been under another teacher, and has been well attended, with very good results.

*The State School Scholarships for Boys and Girls* were awarded to fourteen boys and eleven girls. Their attendance was good and their work satisfactory.

## ACCOUNTS AND BALANCE-SHEET.

## STATEMENT OF BALANCES AT 31ST DECEMBER.

<i>Cr.</i>	<i>Accounts.</i>	£	s.	d.	£	s.	d.
Boys' High School Capital Account .. .. .	.. .. .	17	10	3			
Boys' High School Maintenance Account .. .. .	.. .. .	178	3	11			
Boys' High School preparatory department .. .. .	.. .. .	8	6	10			
Classical School Capital Account .. .. .	.. .. .	557	7	1			
Superior Education Capital Account .. .. .	.. .. .	224	5	4			
College maintenance .. .. .	.. .. .	460	19	2			
Girls' High School Capital Account .. .. .	.. .. .	5,002	8	1			
Girls' High School Maintenance Account .. .. .	.. .. .	14	2	4			
Public Library Capital Account .. .. .	.. .. .	1,666	8	6			
Public Library Sinking Fund .. .. .	.. .. .	54	0	0			
Medical School Reserves Account .. .. .	.. .. .	4,050	11	1			
Museum, Library, and School of Technical Science Capital Account .. .. .	.. .. .	18,941	8	4			
Museum, Library, and School of Technical Science Endowment Fund .. .. .	.. .. .	971	17	2			
Museum Account .. .. .	.. .. .	151	2	5			
Museum Guide-book Sinking Fund .. .. .	.. .. .	50	0	0			
Astronomical Observatory Account .. .. .	.. .. .	394	12	4			
Emily Foster Memorial Fund .. .. .	.. .. .	62	1	8			
Helen Macmillan Brown Memorial Fund .. .. .	.. .. .	87	5	4			
Thomas Miller Prize Fund (Boys' High School) .. .. .	.. .. .	99	12	7			
					32,992	2	5
<i>Dr.</i>							
School of Art Account .. .. .	.. .. .	173	7	2			
School of Engineering and Technical Science Account .. .. .	.. .. .	41	6	0			
Public Library Maintenance Account .. .. .	.. .. .	818	0	9			
					1,032	13	11
					£31,959	8	6

	<i>Bank and Investments.</i>	£	s.	d.	£	s.	d.
Drawing Account .. .. .	.. .. .	12,462	17	1			
Less outstanding cheques .. .. .	.. .. .	203	8	7			
					12,259	8	6
Mortgages of freeholds .. .. .	.. .. .				17,150	0	0
City Council debentures .. .. .	.. .. .				400	0	0
Tramway Board debentures .. .. .	.. .. .				150	0	0
Hereford Street section investment .. .. .	.. .. .				2,000	0	0
					£31,959	8	6

	<i>Liabilities.</i>	£	s.	d.	£	s.	d.
Bank of New South Wales (No. 2 Account) .. .. .	.. .. .	10,834	0	0			
Public Trust Department (loan) .. .. .	.. .. .	4,000	0	0			
Public Library scrip .. .. .	.. .. .	98	10	2			
Canterbury Agricultural College .. .. .	.. .. .	4,000	0	0			
Emily Foster Memorial Fund .. .. .	.. .. .	62	1	8			
Helen Macmillan Brown Memorial Fund .. .. .	.. .. .	87	5	4			
					£19,081	17	2

## SCHOOL OF ART ACCOUNT.

<i>Receipts.</i>	£	s.	d.	<i>Expenditure.</i>	£	s.	d.
Students' fees .. .. .	619	15	0	Balance at 1st January, 1905 .. .. .	319	2	4
Grant from Museum, Library, and School of Technical Science Endowment Fund .. .. .	500	0	0	Salaries .. .. .	1,093	0	0
Government grant for technical instruction .. .. .	427	2	3	Subsidies to life classes .. .. .	36	10	0
Government grant for apparatus .. .. .	7	18	1	Insurance .. .. .	12	10	4
Government grant for material .. .. .	13	1	1	Contribution towards expenses of Registrar's office .. .. .	40	0	0
Examination fees, second-grade art (Timaru) .. .. .	1	15	0	Gas .. .. .	50	6	4
Sale of clay models and timber to students .. .. .	1	0	6	Repairs .. .. .	17	5	9
Special prizes .. .. .	6	4	0	Advertising .. .. .	22	9	0
Balance .. .. .	173	7	2	Printing, stationery, &c. .. .. .	22	14	9
				Fuel .. .. .	12	19	3
				General expenses (material for classes, &c.) .. .. .	33	6	6
				Apparatus, &c. .. .. .	60	5	0
				Examiners' fees .. .. .	2	2	0
				Books for school library .. .. .	4	14	11
				Interest on current account .. .. .	5	7	2
				Special prizes .. .. .	6	4	0
				Expenses connected with appointment of Director .. .. .	11	5	9
	£1,750	3	1		£1,750	3	1
				Balance, 1st January, 1906 .. .. .	£173	7	2

## Boys' HIGH SCHOOL CAPITAL ACCOUNT.

<i>Receipts.</i>		£	s.	d.	<i>Expenditure.</i>		£	s.	d.			
Balance at 1st January, 1905	..	..	17	10	3	Balance, 31st December	..	..	..	17	10	3
Balance, 1st January, 1906	..	..	£17	10	3							

BOYS' HIGH SCHOOL MAINTENANCE ACCOUNT.

[illegible]

## BOYS' HIGH SCHOOL PREPARATORY DEPARTMENT.

<i>Receipts.</i>				£	s.	d.	<i>Expenditure.</i>				£	s.	d.
Balance, 1st January, 1905	..	..	..	9	16	10	Master's salary	..	..	..	110	10	0
School fees	..	..	..	110	10	0	Advertising	..	..	..	1	10	0
							Balance	..	..	..	8	6	10
				£120	6	10							
Balance, 1st January, 1906	..	..	..	£8	6	10					£120	6	10

CLASSICAL SCHOOL CAPITAL ACCOUNT.

<i>Receipts.</i>			<i>£</i>	<i>s.</i>	<i>d.</i>	<i>Expenditure.</i>			<i>£</i>	<i>s.</i>	<i>d.</i>
Balance, 1st January, 1905	..	..	377	7	1	Balance, 31st December	..	..	557	7	1
Sale of T. S. 445 and 446, Timaru	..	..	150	0	0						
Sale of 1 acre out of Reserve 157, Little River			30	0	0						
			<u>£557</u>	<u>7</u>	<u>1</u>						
Balance, 1st January, 1906	..	..	<u>£557</u>	<u>7</u>	<u>1</u>						

SUPERIOR EDUCATION CAPITAL ACCOUNT.

<i>Receipts.</i>			<i>£</i>	<i>s.</i>	<i>d.</i>	<i>Expenditure.</i>			<i>£</i>	<i>s.</i>	<i>d.</i>
Balance, 1st January, 1905	..	..	224	5	4	Balance, 31st December	..	..	224	5	4
Balance, 1st January, 1906	..	..	<u>£224</u>	<u>5</u>	<u>4</u>						







## PUBLIC LIBRARY MAINTENANCE ACCOUNT.

<i>Receipts.</i>			<i>Expenditure.</i>		
	£	s. d.		£	s. d.
Contribution from Museum, Library, and School of Technical Science Endowment Fund .. .. .	450	0 0	Balance, 1st January, 1905 .. ..	598	10 8
Subscriptions .. .. .	949	14 0	Salaries .. .. .	780	2 6
Fines .. .. .	18	5 9	Contribution towards expenses of Registrar's office .. .. .	30	0 0
Sale of catalogues .. .. .	7	10 0	Insurance .. .. .	36	9 10
Sale of magazines .. .. .	5	15 5	Lighting .. .. .	154	8 3
Reserving books .. .. .	8	6 6	Fuel .. .. .	29	14 9
Revenue from "James Gammack" Trust ..	200	0 0	Subscriptions to colonial newspapers ..	55	12 9
Interest on capital ("Postle" bequest) ..	66	12 9	Repairs .. .. .	41	3 4
Government subsidy (parliamentary grant)	17	4 9	Printing, stationery, and advertising ..	32	1 5
Balance .. .. .	818	0 9	General expenses, cleaning, &c. ..	31	9 6
			"James Gammack" Trust—		
			New books for circulating library ..	177	6 10
			Renewal of standard works .. ..	4	5 9
			Periodicals and English papers .. ..	134	1 3
			Binding books (circulating department) ..	46	1 1
			Books and binding (reference library), ("A. Postle" Trust) .. ..	66	12 9
			General Account .. .. .	35	7 5
			New building loan—interest on £4,000 at 4½ per cent. .. .. .	180	0 0
			Sinking fund .. .. .	54	0 0
			Hot-water service at sub-librarian's house	15	15 0
			Expenses of music section .. .. .	12	3 3
			Interest .. .. .	26	3 7
	<u>£2,541</u>	<u>9 11</u>		<u>£2,541</u>	<u>9 11</u>
			Balance, 1st January, 1906 .. .. .	£818	0 9

## PUBLIC LIBRARY CAPITAL ACCOUNT.

<i>Receipts.</i>			<i>Expenditure.</i>		
	£	s. d.		£	s. d.
Balance, 1st January, 1905 .. .. .	1,666	8 6	Balance, 31st December .. .. .	1,666	8 6
Balance, 1st January, 1906 .. .. .	£1,666	8 6			

## PUBLIC LIBRARY SINKING FUND.

<i>Receipts.</i>			<i>Expenditure.</i>		
	£	s. d.		£	s. d.
1905 — Allocation from Public Library maintenance .. .. .	54	0 0	Balance, 31st December, 1905 .. ..	54	0 0
Balance, 1st January, 1906 .. .. .	£54	0 0			

## MEDICAL SCHOOL RESERVES ACCOUNT.

<i>Receipts.</i>			<i>Expenditure.</i>		
	£	s. d.		£	s. d.
Balance, 1st January, 1905 .. .. .	3,848	3 3	Contribution towards salary of Professor of Biology .. .. .	300	0 0
Rent of reserves .. .. .	432	14 3	Contribution towards expenses of Registrar's office .. .. .	10	0 0
Interest .. .. .	153	2 4	Inspection of reserves .. .. .	9	14 2
			Tree-planting on reserves .. .. .	63	11 3
			Sundries .. .. .	0	3 4
			Balance .. .. .	4,050	11 1
	<u>£4,433</u>	<u>19 10</u>		<u>£4,433</u>	<u>19 10</u>
Balance, 1st January, 1906 .. .. .	£4,050	11 1			

## MUSEUM, LIBRARY, AND SCHOOL OF TECHNICAL SCIENCE CAPITAL ACCOUNT.

<i>Receipts.</i>			<i>Expenditure.</i>		
	£	s. d.		£	s. d.
Balance, 1st January, 1905 .. .. .	18,941	8 4	Balance, 31st December .. .. .	18,941	8 4
Balance, 1st January, 1906 .. .. .	£18,941	8 4			

## MUSEUM, LIBRARY, AND SCHOOL OF TECHNICAL SCIENCE ENDOWMENT FUND.

<i>Receipts.</i>			<i>Expenditure.</i>		
	£	s. d.		£	s. d.
Balance, 1st January, 1905 .. .. .	1,151	9 1	Contributions to—		
Rent of reserves .. .. .	2,100	0 0	Museum .. .. .	1,225	0 0
Interest .. .. .	725	6 6	Public Library .. .. .	450	0 0
			School of Art .. .. .	500	0 0
			School of Engineering, Electricity, and Technical Science .. ..	300	0 0
			Inspection of reserves .. .. .	25	0 0
			Legal expenses .. .. .	4	11 9
			Sundries .. .. .	0	6 8
			Balance .. .. .	971	17 2
	<u>£3,976</u>	<u>15 7</u>		<u>£3,976</u>	<u>15 7</u>
Balance, 1st January, 1906 .. .. .	£971	17 2			

## MUSEUM ACCOUNT.

<i>Receipts.</i>			<i>Expenditure.</i>		
	£	s. d.		£	s. d.
Balance, 1st January, 1905 ..	55	17 1	Salaries .. .. .	803	6 8
Contribution from Museum, Library, and School of Technical Science Endowment ..	1,225	0 0	Insurance .. .. .	49	9 0
Sale of guide-books .. .. .	2	16 6	Contribution towards expenses of Registrar's office ..	30	0 0
Sale of crocodile .. .. .	5	0 0	Repairs .. .. .	3	19 6
Interest .. .. .	4	18 5	Legal expenses .. .. .	1	1 0
			Taxidermist's requisites .. .. .	10	8 7
			Purchases (specimens) .. .. .	210	1 6
			Freight and charges .. .. .	14	7 6
			Fuel .. .. .	1	6 6
			General expenses .. .. .	8	9 4
			Guide-book Sinking Fund .. .. .	10	0 0
			Balance .. .. .	151	2 5
	£1,293	12 0		£1,293	12 0
Balance, 1st January, 1906 .. .. .	£151	2 5			

## MUSEUM GUIDE-BOOK SINKING FUND.

<i>Receipts.</i>			<i>Expenditure.</i>		
	£	s. d.		£	s. d.
Balance, 1st January, 1905 .. .. .	40	0 0	Balance, 31st December .. .. .	50	0 0
Museum Maintenance Account transfer ..	10	0 0			
	£50	0 0		£50	0 0
Balance, 1st January, 1906 .. .. .	£50	0 0			

## ASTRONOMICAL OBSERVATORY ACCOUNT.

<i>Receipts.</i>			<i>Expenditure.</i>		
	£	s. d.		£	s. d.
Balance, 1st January, 1905 .. .. .	379	4 8	Balance, 31st December .. .. .	394	12 4
Interest .. .. .	15	7 8			
	£394	12 4		£394	12 4
Balance, 1st January, 1906 .. .. .	£394	12 4			

## MORTGAGES OF FREEHOLDS.

<i>Receipts.</i>			<i>Expenditure.</i>		
	£	s. d.		£	s. d.
Poninghaus, H., repayment of loan ..	500	0 0	Balance, 1st January, 1905 .. .. .	16,350	0 0
Drinnan, J., .. .. .	2,700	0 0	Christchurch Club (loan) .. .. .	4,000	0 0
Balance .. .. .	17,150	0 0			
	£20,350	0 0		£20,350	0 0
			Balance, 1st January, 1906 .. .. .	£17,150	0 0

## GENERAL INVESTMENT ACCOUNT.

<i>Receipts.</i>			<i>Expenditure.</i>		
	£	s. d.		£	s. d.
Balance, 31st December, 1905 .. .. .	2,000	0 0	Purchase of sections, Hereford Street ..	2,000	0 0
			Balance, 1st January, 1906 .. .. .	£2,000	0 0

## EMILY FOSTER MEMORIAL FUND.

<i>Receipts.</i>			<i>Expenditure.</i>		
	£	s. d.		£	s. d.
Balance, 1st January, 1905 .. .. .	61	2 10	Whitcombe and Tombs (prizes) .. .. .	1	16 0
Interest on debentures .. .. .	2	14 10	Balance .. .. .	62	1 8
	£63	17 8		£63	17 8
Balance, 1st January, 1906 .. .. .	£62	1 8			

## HELEN MACMILLAN BROWN MEMORIAL FUND.

<i>Receipts.</i>			<i>Expenditure.</i>		
	£	s. d.		£	s. d.
Balance, 1st January, 1905 .. .. .	82	9 8	Whitcombe and Tombs (prizes) .. .. .	4	0 0
Further amount handed to Board .. .. .	5	0 0	Balance .. .. .	87	5 4
Interest on debentures .. .. .	3	15 8			
	£91	5 4		£91	5 4
Balance, 1st January, 1906 .. .. .	£87	5 4			

## THOMAS MILLER PRIZE FUND.

<i>Receipts.</i>			<i>Expenditure.</i>		
	£	s. d.		£	s. d.
Balance, 1st January, 1905 .. .. .	98	2 7	Whitcombe and Tombs (prizes) .. .. .	2	10 0
Interest on debentures .. .. .	4	0 0	Balance .. .. .	99	12 7
	£102	2 7		£102	2 7
Balance, 1st January, 1906 .. .. .	£99	12 7			

Canterbury College, , 1906.

A. CRACROFT WILSON, Registrar.

G. H. MASON, Accountant.

Examined and found correct, except that the purchase of the Hereford Street sections is not a transaction authorised by law, and that the investment of £2,000 of trust funds in the purchase of such property is not an investment in one of the modes approved by the Governor under the authority of section 25 of the Act.—J. K. WARBURTON, Controller and Auditor-General.

Approximate Cost of Paper.—Preparation, not given; printing (1,600 copies), £9 16s.

By Authority: JOHN MACKAY, Government Printer, Wellington.—1906.

Price 6d.]