

1902.
NEW ZEALAND.

EDUCATION: THE CANTERBURY COLLEGE.

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

[In continuation of E.—8, 1901.]

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

Visitor.—The Minister of Education.

Board of Governors (Thomas Shailer Weston, 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—Mr. Harry Joseph Beswick, Hon. William Montgomery, M.L.C., and Rev. William Morley, D.D.

Elected by graduates—Very Rev. Canon Harper, M.A., Mr. Thomas Scholfield Foster, M.A., Mr. William Hugh Montgomery, Mr. John Deans, Mr. Arthur Edgar Gravenor Rhodes, B.A., LL.B., and Mr. Charles Lewis.

Elected by public-school teachers—Mr. Thomas Hughes, B.A., Mr. Thomas Shailer Weston, and Mr. John George Lawrence Scott, B.A.

Elected by School Committees—Mr. Thomas William Adams, Mr. George Warren Russell, and Mr. John Lee Scott.

Elected by Professorial Board—Mr. Charles Carteret Corfe, M.A.

Registrar—Mr. Alexander Cracroft Wilson.

Professors—Classics—F. W. Haslam, M.A. Mathematics and Natural Philosophy—C. H. H. Cook, M.A. Chemistry and Physics—A. W. Bickerton, F.C.S. French and German—T. G. R. Blunt, M.A. Biology—Arthur Dendy, D.Sc. (*Locum tenens* for 1902), 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—F. W. Hutton, F.R.S. Jurisprudence and Law—G. T. Weston, B.A., LL.B. Constitutional History—James Hight, M.A. Political Economy—James Hight, M.A. Sound, Light, and Heat—W. P. Evans, M.A. Ph.D., Giessen. Mental Science—C. F. Salmond, M.A. Music—

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—Captain F. W. Hutton, F.R.S.

School of Art.—Headmaster—G. Herbert Elliott.

Public Library.—Librarian—A. Cracroft Wilson. Sub-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 24th March, 1902, 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 COLLEGE.

The report for the year 1900 was delivered on the 25th March, 1901. The present is the twenty-ninth annual report and statement of the Chairman of the Board of Governors since the establishment of the institution in 1873, and the sixth since the passing of "The Canterbury College and Canterbury Agricultural College Act, 1896."

Since 1873, five members in all have held the important office of Chairman of the Board. It is now our sad duty to record the death, on the 11th February, of Mr. H. R. Webb, who was appointed a member of the Board under "The Canterbury College Ordinance, 1873," and who held the position of Chairman from the 30th April, 1894, till his death. It is fitting that the valuable services rendered by him should be recorded. The Board, on the 25th February, elected Mr. T. S. Weston to the position of Chairman for the unexpired term of office of the late Mr. Webb. At the annual meeting, held in July, Mr. Weston was again appointed to the position for the ensuing year.

It is with regret that the death of Mr. Chrystall, a member of the Board, has to be reported, and also that of the Hon. H. B. Gresson, a former Chairman. At the ordinary election of the Board in June last, Mr. R. Westerra, after a service of fifteen and a-half years, declined to seek re-election; as also did Mr. C. S. Howard, who was elected in July, 1897.

Professor T. G. R. Blunt, M.A., &c., entered upon the duties of the chair of modern languages on the 24th August last. The work had, since the commencement of the session, been performed by Mr. C. V. C. Naverne. The thanks of the Board were given to the Agent-General for the valuable assistance rendered by him in London in connection with the appointment of the new professor. Mr. Dendy, the professor of biology, obtained leave of absence for the year 1902 to proceed to England. In his absence the classes will be conducted by Dr. Chilton, who resigned his seat on the Board with a view to take up the work. The professorial staff has been deprived, by death, of the services of Mr. G. F. Tendall, Mus. Bac. Oxon., who, since the year 1891, held the position of lecturer in music.

MUSIC.—The usual lectures in music were delivered during the session, until the death, on the 25th October, of the late lecturer, Mr. G. F. Tendall; subsequently the annual examination was conducted by Mr. H. Wells. There was a large increase of candidates for the examination in music of the Associated Board of the Royal Academy of Music and the Royal College of Music. Ninety-five candidates sat for the various theoretical examinations in June, of whom eighty-four passed. The practical examinations were conducted in October by Mr. H. W. Richards, Mus. Bac., 144 candidates presented themselves, and of these 117 succeeded in passing. The following are the totals as compared with last year: 1900—Examined, 92; passed, 65. 1901—Examined, 239; passed, 201.

The gold medal given to the highest honours candidate in the local centre examinations in Canterbury was gained by Miss Lillian A. Pattrick; and the silver medal, to the next highest honours candidate, was won by Miss Iris C. Edgar.

Mr. Richards reported on the practical examinations as follows: "The candidates have acquitted themselves quite as well as at any centre in which I have examined in Australasia. The standard of the Associated Board is a high one, and is exactly the same as that adopted in England. Bearing this in mind the results have been most satisfactory. I hope it is not necessary to impress on the candidates at Christchurch (as it has been elsewhere) that gaining the senior certificates does not mean that their musical education has finished. It ought rather to be regarded as the starting-point from which to begin the study of the works of the great masters."

EXEMPTED STUDENTS.—In addition to the usual examination of students exempted from attendance at lectures held at Christchurch, similar examinations were also held at Timaru and Wanganui. The number of those examined at a distance from Christchurch continues to exhibit a falling-off, as shown in the figures attached: 1897, 51; 1898, 56; 1899, 23; 1900, 6; 1901, 5.

The following table shows the number of matriculated and non-matriculated students who have attended lectures since the year 1890, to date:—

	Matricu- lated.	Non-Matricu- lated.	Total.		Matricu- lated.	Non-Matricu- lated.	Total.
1890	151	116	267	1896	150	66	216
1891	172	177	349	1897	144	73	217
1892	186	159	345	1898	131	56	187
1893	182	158	340	1899	117	65	182
1894	185	141	326	1900	125	93	218
1895	177	130	307	1901	148	72	220

UNIVERSITY EXTENSION LECTURES.—The Committee received applications from thirteen persons who were desirous to assist in this work by lecturing. Of these no less than seven were or had been either engaged on the teaching staff of colleges in New Zealand, or had already done work as extension lecturers at Home. Four had taken honours or an equivalent certificate at the New Zealand University or at Home, and two were students of promise in their subjects. The subjects offered comprised literature and language of England, France, and Germany, ancient and modern history, applied chemistry, general botany, agricultural botany, biology, and a class in elementary physiology for women only. The fees were fixed at £21 for a course of six lectures, and £40 for a course of twelve. As the lectures were distinctly understood not to be popular lectures, but to involve real hard work on the part of both lecturer and class, and as each lecture was to consist of two hours, one devoted to lecturing and the other to discussion and answering of questions, &c., it was felt that really capable lecturers could not be offered less than the above fees to leave their regular work and give up valuable time for this purpose. It is to be regretted that at present no applications have been made for the services of the lecturers. The committee are still making inquiries, and hope to establish lectures. It must be, however, distinctly understood that university extension lectures, wherever given, either at Home or in the colonies, have been subject to two conditions: (1) They should not be "popular" lectures; (2) They should be self-supporting.

COLLEGE LECTURES.—The number of students attending each lecture during the term of 1901 was as follows:—

Classics.—Pass Latin: Translation, 30; Composition, 25; teachers' class, 11. Honours Latin, 4. Greek: Translation, 1; composition, 1.

English Literature and Language.—Pass Lectures: History and structure of the English language, 24; Anglo-Saxon and Middle English, 21; literature and set books, 37; essay class, 29. Honours Lectures: Anglo-Saxon and Middle English, 7; philology, 4; literature and set books, 6.

English History.—Pass history of England, 19; honours, European history, 0.

Mathematics.—Pass pure mathematics, 48; pass mechanics and hydrostatics, 17. Honours mathematics: Section, I., 6; Section II., 4; Section, III., 1; Section IV., 1. Honours elementary mechanics and hydrostatics, 3.

Chemistry.—Pass, 26; pass problems, 7; honours, 3; teachers' (first year) 0; teachers' (second year), 2; practical (junior and pass), 41; practical (honours and research), 4.

Sound, Light and Heat.—Pass, 22; honours, 1; pass (laboratory), 22; honours (laboratory), 0.

Geology.—Junior, 8; senior, 4.

Biology.—General biology, 12; pass botany, 2; honours botany, 0; pass zoology, 2; honours zoology, 1; practical general biology, 10; pass practical botany, 1; practical botany (honours and research), 2; pass practical zoology, 3; practical zoology (honours and research), 1.

French.—Pass Lectures: Composition, 19; authors, 15; grammar, 14; literature, 12; composition (teachers' class) 0. Honours Lectures: Composition, 3; authors, 4; essay and literature, 4; philology, 4; literature, 3.

German.—Composition I., and philology, 1; translation, 2; composition II., and grammar, 0; German for beginners, 1.

Jurisprudence and Law.—Pass jurisprudence, 10; honours jurisprudence, 4. Law (second section): Practice and procedure, international law and conflict of laws, 1; torts, 2; law (third section): equity, 2; practice, 3; personal property, 2.

Constitutional History.—Pass, 11; honours, 0.

Political Economy.—Pass, 19; honours, 0.

Mental Science.—Pass, 8; honours, 0.

Music.—Rudiments of music (junior first year students), 12; harmony, &c. (intermediate second-year students), 13; ditto, evening class, 7; harmony, counterpoint, history, &c. (senior, third year students), 9; history of music, 9; advanced harmony, counterpoint, &c., 2; form in composition, 3.

SUCCESSFUL STUDENTS.—Students were recorded by the University as having passed in their respective examinations as follows: Honours and also degree of Master of Arts, 8. Bachelor of Arts—Final section, 5; first section, 13. Bachelor of Science—Final section, 1. Bachelor of Science in Engineering—Second mechanical examination (part of), 5; first mechanical examination (completed), 1; first mechanical examination (part of), 12. Bachelor of Laws—Second examination, 2; first examination, 1. Teachers' examination—Class C, 2.

GIRLS' HIGH SCHOOL.

The School.—The roll for 1901 shows a steady and satisfactory increase on that of 1900, the number for the last term being 127. Thirty-seven pupils held scholarships or received free education: eighteen holding scholarships, &c., from the Board of Governors, eighteen scholarships from the North Canterbury Board of Education, and one a scholarship from the Canterbury Caledonian Society. The health of the pupils during the year has been remarkably good.

Examination Results.—At the December University examinations fourteen pupils passed the matriculation test, one the medical preliminary examination, and three gained places in the Junior University Scholarship credit list. Two of these were awarded the two Gammack Scholarships offered by the Board of Education. Three pupils won Senior Board of Education Scholarships, two taking first and second places on the list. Four pupils sat for the Senior Civil Service examination, and eight for the Junior.

Amongst numerous distinctions gained by former pupils during the year the success of Miss Alice Moorhouse in gaining the degree of M.B. and C.M. at Glasgow University is worthy of mention, as that of the first fully qualified lady-doctor coming from the school.

Technical Classes.—During the year an attempt has been made to bring the technical classes at this school under the Manual and Technical Instruction Act of 1900, in order to benefit by the subsidies in aid of such classes offered by the Act. The two cooking classes and two dressmaking classes were accepted, without alteration, by the authorities in Wellington, as in all particulars fulfilling the requirements of the Act; but it does not seem practicable for more than the upper drawing class to attempt the programme of work required. The swimming class is also eligible for a grant as far as provision for instruction is concerned, but owing to the shortness of the bathing season in Christchurch, considerably shortened again by the summer holidays, and the very limited and somewhat inconvenient hours at which the bath—that at the Boys' High School—is available for use by the girls, the number who can make the required attendances is very limited.

BOYS' HIGH SCHOOL.

The headmaster, Mr. C. E. Bevan-Brown, M.A., resumed his place at the school at the commencement of the year, restored in health. He expressed to the Board his satisfaction with the state in which he found the school, and his appreciation of Mr. Lawrence's conduct of affairs in his absence.

The school felt great regret at the death of Mr. H. R. Webb, the late Chairman. Masters and senior boys attended the funeral, and the boys collected £7 to erect a flagpole, a matter in which Mr. Webb took much interest.

The year 1901, like the year 1900, was marked by public and national events of exciting interest, which were duly taken notice of in the life of the school. On the occasion of the memorable visit of the Duke and Duchess of Cornwall and York, the cadets took part in the review, and also in keeping the streets on the day of arrival. The school itself had erected a special stand near the Worcester Street Bridge, on the line of route, duly decorated with motto

and colours. The masters in academicals, and a good muster of the school, with old boys, took their places on this, and gave the Duke and Duchess an enthusiastic reception.

The general conduct and tone of the boys has been very satisfactory.

PUBLIC LIBRARY.

In accordance with the powers conferred by Act of Parliament on the Board of Governors, a tender for the erection of a public reading-room and other additions to the Public Library, at a total cost of £4,307, was accepted in May last. The building will be a handsome addition to the public buildings of Christchurch, and is now rapidly approaching completion. The floor space and galleries of the circulating and reference departments are about 4,900 superficial feet. The floor space and gallery of the new building will be about 5,200 ft. The circulating library will be very much improved; the office will be removed to the new building, and the extra space thus obtained will be used for extra bookcases. The lighting will be increased by large skylights. It is anticipated that the whole of the additions and improvements will be completed in a few weeks.

The old building that had done duty as a reading-room for many years was sold by auction, for removal, and realised the sum of £80 3s. 5d. Since the removal of the old building, a room opposite has been rented to serve the purposes of a reading-room.

Reference Department.—During the year a man was detected in the act of damaging a volume, and convicted in the Magistrate's Court; while another was sentenced for damaging books. Additional book-shelves are urgently required. A very large number of books have had to be rebound on account of destruction by gas. It is to be regretted that sufficient funds are not available for extending the present buildings, as increased accommodation is much needed. The donations for the year amount to 182 volumes, amongst which are ninety-five volumes of the *Illustrated London News*, from 1843 to 1898, presented by Sir John Hall, K.C.M.G. This department is much appreciated by the public.

Circulating Department.—It was found expedient to postpone the annual stock-taking until the proposed alterations were completed. Additional space will be provided for the volumes, and new book-cases will be required. 498 volumes have been taken off the shelves as unfit for issue, while seventeen volumes have been lost and paid for by subscribers. The number of new books and renewals amounts to 1,282 volumes, bringing the total number of books in this department up to 20,026. The average number of subscribers for the year was 1894. The new catalogue is nearly completed, and will soon be ready for the printer. The library has sustained a loss by the death, last July, of Mr. P. McClenahan, who was one of the staff for over thirteen years, and was a pains-taking officer. The following figures show the income from subscriptions during the last few years: 1897, £825 1s.; 1898, £857 15s.; 1899, £889 10s. 6d.; 1900, £926 4s. 6d.; 1901, £943 19s. 6d.

Reading-room.—The number of magazines and newspapers placed on the table are: New Zealand papers, 82; English papers and magazines, 21; Australian papers, 9; American papers, 8.

SCHOOL OF ENGINEERING, ELECTRICITY, AND TECHNICAL SCIENCE.

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

This year has marked an important development, the teaching of electricity for the arts, science, and engineering courses having been undertaken.

Attendance.—Though during the year the work of the school has been carried on with difficulty (the existing accommodation being altogether overtaxed), I am able to report a gratifying increase in the number of students. 192 students attended lectures, while the total hour attendances per week amounted to 997, being an increase of 50 per cent. in the number of students and nearly 70 per cent. in hour attendances as compared with last year. Of these students, thirty were matriculated, and are taking either the course prescribed for the degree of B.Sc. in engineering or that for the Associateship of the School of Engineering. In the previous year only fourteen students were so occupied.

Annual Examinations.—At the annual college examinations seven students passed in subjects of the first examination for the Associateship; three passed in subjects of the second examination; five passed in subjects of the second and third examinations; and one, having completed the course, obtained the certificate of Associate of the School of Engineering. Nineteen students sat for the University examinations in engineering and electricity.

Engineering Laboratory.—There was a marked increase in the number of tests made as compared with the previous year. Tests were made on axles for the New Zealand Government railways; oil for the Union Steamship Company; building materials for the School of Engineering, School of Art, Public Library, and the Cathedral; dumping-bands for the Wellington Harbour Board; and boiler-plates, stone, concrete, and cement for local firms.

Apparatus.—During the year a large quantity of apparatus for the experimental teaching of applied mechanics was added to the plant. This apparatus was made in Christchurch from drawings prepared by students of the school. Other additions to the plant consist of a microscope, two balances, three sets of chemical weights, two sets of commercial weights, and various scales, in addition to which a large quantity of electrical apparatus for the equipment of electrical laboratories has been received.

Buildings.—The erection of the new electrical laboratories and lecture-rooms has progressed slowly during the year. On their completion the school will compare favourably, both as to accommodation and plant, with any of a similar character in the Australian Colonies.

Evening Classes.—Of the students attending evening classes, four obtained first-class and ten second-class certificates in elementary steam; six obtained first-class and five second-class certificates in elementary applied mechanics; two obtained first-class and eight second-class certificates in mechanical drawing, section I.; four obtained first-class and two second-class certificates in

mechanical drawing, section II.; one obtained first-class certificate in mechanical drawing, section III.; eleven obtained first-class and nine second-class certificates in freehand mechanical drawing; fourteen obtained first-class and eleven second-class certificates in descriptive geometry and setting out work; one obtained second-class certificate in elementary applied mechanics and mechanics of machinery; one obtained first-class certificate in strength of materials; one obtained first-class certificate in the steam-engine (advanced); one obtained first-class certificate in applied mechanics; one obtained first-class certificate in mechanics of machinery; one obtained second-class certificate in theory of workshop practice; one obtained first-class and one second-class certificate in elementary electrical engineering; and one obtained first-class certificate in pass electricity and magnetism.

MUSEUM.

Report of the Curator (Capt. F. W. Hutton, F.R.S.):—

The additions to the Museum during the past year have been very considerable, and I would specially call attention to the collection of Phœcean glass and Maori carvings.

In January, at the invitation of His Excellency the Earl of Ranfurly, I accompanied him round the southern islands in the Government steamer "Hinemoa," on a collecting trip, partly for the British Museum and partly for ourselves. During the trip I obtained twenty-two species of animals new to science, and the types of twenty of these are retained in the Canterbury Museum. I also obtained eleven species of birds for the Museum, of which five were not previously represented, including a specimen of the rare *Mergus australis*, presented by the Earl of Ranfurly. Also four skeletons of birds, all new to the collection.

During the year exchanges have been received from the National Museum at Washington; the Perth Museum, West Australia; and Mr. S. W. Neate. Exchanges have been sent to the University of California; the Noumea Museum, New Caledonia; and Mr. S. W. Neate.

The following are the principal additions to the collections:—

Geological Collections.—A skull of Titanotherium, and Cambrian fossils, received in exchange; obsidianites, from Central Australia, presented by Lady Brown.

Natural History Collections.—Australian cormorants, received in exchange.

Archæological Collections.—Phœcean glass: 135 pieces, as well as some terra-cottas and bronzes collected by the late Mr. R. Damon in Tyre and Sidon, purchased. Paleolithic stone implements from Egypt, presented by Mr. Seton-Karr; old iron shield, made in Venice, received in exchange.

Ethnological Collections.—A collection of various objects from New Guinea; an inlaid canoe and paddle from the Solomon Islands; fish-hooks from six different localities in Polynesia; two old carved clubs from Samoa; bishop's mitre and two coffee-pots from Abyssinia; a saddle and bridle from the Soudan; a collection of African fetishes and other objects; a small collection of old Indian arms: all purchased. Kaffir objects, presented by Mr. F. Sheriff, of Bulawayo; and two old clubs from Fiji, presented by Mrs. A. C. White.

New Zealand Collections.—Birds and insects from the southern islands, collected by myself. Three bird-skins presented by Mr. A. T. Pycroft.

Maori Collections.—A number of old Maori carvings; three carved karaka-trees from the Chatham Islands; model of Tawiti's pa, Ruapekapeka: all purchased. Kiwi mat, flax cap, and toilet bag, presented by the City Council. Stone implements, presented by Mr. W. W. Smith.

Library.—In addition to the usual presentations from museums, scientific societies, and governments, Verrall's "British Syrphidæ" has been presented by the curator, and "Aves Polynesiæ" by L. W. Wrigglesworth.

Relics.—Four framed pictures of old Canterbury were presented by Mr. J. M. Heywood.

SCHOOL OF ART.

Report of the Art Master (Mr. G. H. Elliott):—

As compared with 1900 the number of students in attendance has been as follows:—

	1900.		Morning.	Afternoon.	Evening.	Saturday.
First term	31	2	132	82
Second term	32	1	139	71
Third term	29	2	136	73
1901.						
First term	28	2	135	62
Second term	26	3	123	81
Third term	26	1	186	170

Drawing and Painting.—The work in the different branches has maintained a high standard. The drawing from life in black and white was particularly successful. As the students have been devoting more attention to design for applied art work, the painting from still life, &c., has not received so much attention.

Modelling, Casting, and Moulding.—The average attendance in all the classes combined has been: 1900, 31; 1901, 79. This increase is due mainly to the public-school teachers, who have very largely taken up this subject for school work, under the new Manual and Technical Instruction Act. Their work has been of a special character, suited to kindergarten and the standards. The general work of the other students has been from the cast and nature studies. In a few cases it has reached a high state of excellence. Various methods of moulding and casting have been practised.

Wood and Stone Carving.—I am able to report more favourably of this class than previously. Under the new instructor the work has decidedly improved, though only elementary work is yet done. The attendance, though better than the former year, is still very small. The average has been: 1900, 11; 1901, 16.

Repoussé or Beaten Metal Work.—This class was started last year. Though few have so far taken it up the work done is creditable, and as the art becomes better known it will become popular.

Painters' and Decorators' Work.—The average attendance in this class has been: 1900, 18; 1901, 20. This is the highest attendance since its establishment in 1899, and shows that the work is growing in favour with those for whom it was founded. Hitherto the work has had to be carried on under extremely unfavourable conditions as to room and convenience. These have now been remedied by the provision of a special room, which is to be fitted up with every convenience. The students will thus be able to study all the different branches of their work under proper conditions. Advance should now be speedily seen, both in quality of work and in numbers attending.

Decorative Design.—The attendance in this class has for a long time been unsatisfactory, considering its importance. There is at last, however, a decided advance, which I hope will be permanent. The average for the year has been: 1900, 14; 1901, 33. The work has been of the same character as last year.

Architecture and Building Construction.—The average attendance for the last two years has been: 1900, 20; 1901, 39. The elementary division is answerable for this satisfactory increase, and it is likely to be more than maintained. I attribute the very marked advance to the appointment of an additional instructor for the elementary work, thus freeing Mr. Hurst Seager for the advanced.

Geometry and Perspective.—Considering the vital importance of geometry to so many industries, it is gratifying to note the very marked advance in attendance, the average for the last two years being: 1900, 27; 1901, 76. This indicates that the value of this subject is being appreciated as it should be. The chief increase has been in the elementary (evening) class, which has been placed under a new instructor, Mr. Thompson.

Scholarships, Canterbury Industrial Association.—Three scholarships were competed for in December, entitling the winners to two years' free tuition.

Scholarships, Builders' Association.—Two are offered annually, one to those under twenty and over eighteen, and one to those under eighteen. The competition was held last March.

Public School Scholarships.—An annual free studentship is given to the head boy in drawing in each school in the North Canterbury Education District having over 170 pupils. The Board have recently decided to offer ten scholarships for competition amongst the girls of the public schools in the district: six to schools having not less than 400 pupils on the roll, and four to those having less than 400. They will entitle the winners to free tuition for one year in the morning class. The first competition is to be held shortly.

Free Studentships.—Seven free studentships offered by the Board for annual competition on the past year's work were awarded.

Prizes.—The following prizes were gained by students: The Painters' Union prizes—Section 2, sign-writing; sections 1 and 3, no competition. Nicholson prizes (open to painters' apprentices attending the school)—Section 1., best work for the year in freehand and model; section 2, best work in the geometry class. Sections 3 and 4 no competition. Prizes (outside competitions) Canterbury Society of Arts—Modelling from life (bronze medal), still life (silver medal), design for cover of catalogue. Every prize awarded was won by our students. Wellington Society of Arts—Design for cover of catalogue, figure from antique, painting from life, head from life in monochrome. Wanganui Society of Arts—Head from life in monochrome, design for cover of catalogue. Also prizes from various donors.

Local Examinations.—The local examinations were held in December. The results are:—Second grade.—Freehand—Excellent, 32; pass, 40; model—excellent, 32; pass, 59; geometry—excellent, 6; pass, 3; perspective—excellent, 2; pass, 6; blackboard drawing—excellent, 1; pass, 4. Full second-grade certificates.—First-grade geometry—Excellent, 19; pass, 4. Modelling.—Elementary ornament—First class, 2; second class, 0; advanced ornament—first class, 2; second class, 1; elementary antique—first-class, 4; second class, 1.

Education Department of Great Britain (late Science and Art Department, South Kensington.)—The results of the examination, held last June, are not yet to hand. The extreme delay in obtaining results increasingly deters students from entering.

New Buildings.—My reports for some years past have referred to the necessity for increased accommodation and convenience for applied work, none previously existing. I am pleased at last to be able to report that a beginning has been made to remedy these deficiencies. With the generous help of the Government the Board has been able to erect two fine rooms, 46 ft. by 28 ft. The lower one will be used mostly for painters' and decorators' work, the upper one for wood and stone carving, and modelling and casting. A small room has been cut out of the upper one for the purpose of a library, which will also supply a long experienced want. With such improved conditions an impetus will be given to the work in these branches, and I trust that in time similar suitable provision will be made for other equally important subjects.

In reference to the library, in addition to the books it is intended to file the leading periodicals in all the different industries and manufactures connected with the students' work.

CANTERBURY COLLEGE, 1901.
STATEMENT OF BALANCES AT 31ST DECEMBER.

<i>Cr.</i>	<i>Accounts.</i>	£	s.	d.	£	s.	d.
School of Art Account	413	8	0			
Boys' High School Maintenance Account	123	19	0			
Classical School Capital Account	77	7	1			
College Maintenance Account	2,860	17	8			
School of Engineering and Technical Science Account	832	1	8			
Girls' High School Capital Account	5,002	8	1			
Girls' High School Maintenance Account	82	0	2			
Public Library Capital Account	2,000	0	0			
Public Library Maintenance Account	683	14	8			
Public Library Buildings Loan Account	2,000	0	0			
Circulating Library Catalogue Sinking Fund	200	0	0			
Medical School Reserves Account	3,444	17	0			
Museum, Library, and School of Technical Science Capital Account	18,941	8	4			
Museum, Library, and School of Technical Science Endowment Account	1,108	9	10			
Museum Account	126	14	3			
Astronomical Observatory Account	336	10	0			
Emily Foster Memorial Fund Account	63	0	6			
Museum Guide-book Sinking Fund Account	10	0	0			
					37,806	16	3
<i>Dr.</i>							
School of Art Buildings Account	719	2	0			
Boys' High School Capital Account	129	18	4			
Superior Education Capital Account	725	14	8			
Electrical Laboratory Buildings Account	1,493	0	4			
Public Library Reading-room Buildings Account	1,719	15	4			
					4,787	10	8
					<u>£33,019</u>	<u>5</u>	<u>7</u>

Bank and Investments.

Drawing Account	£11,565	12	5				
Less outstanding cheques	59	7	4				
				11,506	5	1	
Mortgages of freeholds				19,150	0	0	
Mortgages of freeholds (Public Library)				2,000	0	0	
City Council debentures				300	0	0	
Post Office Savings-Bank				63	0	6	
							£33,019 5 7

Liabilities.

Bank of New South Wales (No. 2 Account)	10,834	0	0				
Public Trust Department	2,000	0	0				
Public Library, Scrip Account	98	10	2				
Canterbury Agricultural College	5,300	0	0				
Emily Foster Memorial Fund	63	0	6				
							£18,295 10 8

SCHOOL OF ART ACCOUNT.

<i>Receipts.</i>	£	s.	d.	<i>Expenditure.</i>	£	s.	d.
Balance, 1st January, 1901	240	0	11	Salaries	1,089	11	8
Students' fees	604	12	0	Subsidies to life classes	51	5	0
Grant from Museum, Library, and School of Technical Science Endowment Fund	600	0	0	Insurance	10	0	8
Payment from Boys' High School for teaching drawing	50	0	0	Contribution towards expenses of Registrar's office	40	0	0
Grant from Government under Technical Instruction Act	259	2	9	Gas	36	10	1
Examination-fees (South Kensington Science and Art Department)	4	11	0	Repairs	21	9	5
Examination-fees (second grade art)	6	0	0	Advertising	20	13	8
Special prizes (E. W. Roper, Esq.)	3	3	0	Printing, stationery, &c.	17	10	10
Special prizes (Headmaster)	1	1	0	Fuel	12	7	9
Interest	11	7	7	Sundry expenses	27	4	7
				Casts and art objects	5	12	0
				Examiners' fees	6	6	0
				Expenses connected with Society of Art exhibit at Exhibition	15	9	6
				Expenses of South Kensington examinations	8	5	6
				Special prizes (E. W. Roper, Esq.)	3	3	0
				Special prize (Headmaster)	1	1	0
				Balance	413	8	0
	<u>£1,779</u>	<u>18</u>	<u>3</u>		<u>£1,779</u>	<u>18</u>	<u>3</u>

SCHOOL OF ART BUILDINGS ACCOUNT.

<i>Receipts.</i>	£	s.	d.	<i>Expenditure.</i>	£	s.	d.
Balance, 31st December, 1901	719	2	0	Architect's commission, &c.	31	15	0
				Contractor's progress payments	650	0	0
				Salary of Clerk of Works	30	0	0
				Fee for testing building materials	7	7	0
	<u>£719</u>	<u>2</u>	<u>0</u>		<u>£719</u>	<u>2</u>	<u>0</u>

COLLEGE MAINTENANCE ACCOUNT.

Receipts.		£	s.	d.	Expenditure.		£	s.	d.
Balance, 1st January, 1901 ..	..	1,887	8	6	Salaries ..	..	6,701	7	6
Rent of reserves—					Insurance (College) ..	..	102	8	11
Classical School reserves—					" (chemical laboratory) ..	..	18	19	6
Rents due in 1901 ..	..	5,203	18	9	" (biological laboratory) ..	..	5	17	3
Rents outstanding from 1900 ..	..	714	0	3	Rates ..	..	7	4	0
Classical School town reserves—					Exhibitions ..	..	140	0	0
Rents due in 1901 ..	..	237	15	0	Contribution to School of Engineering and Technical Science—				
Rents outstanding from 1900 ..	..	13	10	0	For Maintenance ..	..	550	0	0
Superior education reserves ..	..	2,405	0	0	Exhibitions ..	..	20	0	0
Students' fees ..	..	1,311	9	0	Books for College library ..	..	22	14	3
Sale of calendars ..	..	4	10	7	Repairs to College lodge ..	..	1	0	6
Analysis fees (chemical laboratory) (share)	..	6	0	0	Expenses of music lectures ..	..	31	10	10
Chemicals, breakages, and use of apparatus (chemical laboratory) ..	..	14	0	0	Repairs ..	..	73	2	5
10 per cent. of salary of Colonial Analyst ten months ..	..	8	6	8	Inspecting reserves, and advertising ..	..	112	18	9
Contribution towards salaries of Registrar and staff, and office-expenses—					Interest on loan (£5,834, at 4 per cent.) ..	..	233	7	2
From Library ..	..	30	0	0	Apparatus for biological laboratory ..	..	53	1	0
" Boys' High School ..	..	100	0	0	Fuel ..	..	28	5	4
" Girls' High School ..	..	60	0	0	Gas ..	..	56	12	7
" School of Engineering and Technical Science ..	..	40	0	0	Printing, stationery, &c. ..	..	139	15	6
" School of Art ..	..	40	0	0	Advertising ..	..	43	14	2
" Museum ..	..	30	0	0	Furniture, fittings, &c. ..	..	44	9	1
" Medical School reserves ..	..	10	0	0	Washing and cleaning ..	..	13	14	10
Rent of College lodge ..	..	50	9	2	Legal expenses ..	..	10	4	6
Hire of chairs in College hall ..	..	15	0	0	Keeping grounds in order ..	..	39	7	0
Gas (College hall) refund ..	..	1	0	0	General expenses ..	..	82	3	8
Rent of building (School of Engineering)	..	193	18	4	Physical laboratory—Apparatus, fittings, &c. ..	..	428	7	10
Contribution from Medical School reserves towards salary of Professor of Biology ..	..	300	0	0	Contributions to School of Engineering (in addition to that already paid) to cover share of salary of Lecturer on Electrical Engineering ..	..	150	0	0
Examination-fees—					Special contribution towards cost of apparatus, plant, &c. ..	..	250	0	0
Associated Board of R.A.M. and R.C.M. (share) ..	..	126	15	9	Special contribution, renovation of electrical apparatus, &c. ..	..	175	0	0
Music (College) ..	..	1	11	6	Chemical laboratory—				
Exempted students ..	..	38	17	0	Gas ..	..	28	16	2
Interest ..	..	58	13	6	Painting and renovating interior ..	..	18	17	8
Philosophical Institute, two years' rent of room in biological laboratory ..	..	10	0	0	Repairs to building ..	..	7	10	0
					Repairing apparatus ..	..	7	14	1
					Chemicals and apparatus ..	..	37	7	5
					General expenses ..	..	37	13	0
					Biological laboratory—				
					Fuel and lighting ..	..	18	15	8
					Laboratory expenses, specimens, &c. ..	..	74	15	3
					General expenses ..	..	16	12	7
					Astronomical observatory—				
					Honorarium (Mr. Kitson) ..	..	50	0	0
					Sundries ..	..	4	19	3
					Canterbury Agricultural College—Interest on £5,300, at 5 per cent. ..	..	265	0	0
					Pipes, &c. for Reserves 737 and 738 ..	..	46	18	7
					Expenses of election of Governors ..	..	27	3	3
					Expenses connected with Associated Board's examinations in music ..	..	24	19	0
					Expenses connected with appointment of temporary Lecturer and Professor of Modern Languages (including passage-money) ..	..	247	7	3
					Expenses connected with proposed University extension lectures ..	..	5	17	7
					Subdivisional survey and deposit plan of Reserve 678 ..	..	28	12	0
					Fencing on Reserve 679 ..	..	18	9	0
					Bicycle-shed ..	..	9	15	0
					Exempted students' examination—				
					Examiners' fees ..	..	21	0	2
					Supervising and other expenses ..	..	17	16	10
					Balance ..	..	2,360	17	8

Boys' High School Capital Account.

<i>Receipts.</i>				£	s.	d.	<i>Expenditure.</i>				£	s.	d.
Sale of 2 roods out of Reserve 1308 to the							Balance, 1st January, 1901				149	18	4
New Zealand Government				20	0	0							
Balance				129	18	4							
				<u>£149</u>	<u>18</u>	<u>4</u>					<u>£149</u>	<u>18</u>	<u>4</u>

BOYS' HIGH SCHOOL MAINTENANCE ACCOUNT.

<i>Receipts.</i>			<i>Expenditure.</i>		
	£	s. d.		£	s. d.
Fees	1,733	11 0	Balance, 1st January, 1901	141	12 11
Rents from reserves—			Salaries	3,631	17 11
Outstanding from 1900	197	16 9	Payment to School of Art for teaching		
Rents for 1901	2,878	5 9	drawing	50	0 0
Tripp, C. H.—Share of cost of removing			Insurance	30	4 1
tree stumps on school boundary ..	1	0 0	Contribution to Registrar's office ex-		
Black, James—Payment on account of cost			penses	100	0 0
of putting reserve in order	13	1 0	Examiners' fees	28	10 11
Interest	0	4 6	Chemicals and apparatus	51	9 4
			Inspecting reserves, and advertising	113	1 1
			Interest on £5,000, at 4 per cent. (Loan		
			Account)	200	0 0
			Gas	20	5 5
			Fuel	15	14 4
			Printing, stationery, books, &c. ..	67	14 1
			Prizes	22	5 9
			Advertising	32	7 0
			Repairs, renewals, fittings, &c. ..	35	9 6
			Grant to cadet corps	15	0 0
			Grant to Sports' Fund (including rent of		
			cricket-ground)	35	0 0
			General expenses	62	3 0
			Surveying Reserves 1185 and 1187 ..	13	18 0
			Boarding-house accommodation (subsidy		
			from Board)	33	6 8
			Balance	123	19 0
	<u>£4,823</u>	<u>19 0</u>		<u>£4,823</u>	<u>19 0</u>

CLASSICAL SCHOOL CAPITAL ACCOUNT.

<i>Receipts.</i>	£	s. d.	<i>Expenditure.</i>	£	s. d.
Balance, 1st January, 1901	<u>77</u>	<u>7 1</u>	Balance 31st December, 1901	<u>77</u>	<u>7 1</u>

SUPERIOR EDUCATION CAPITAL ACCOUNT.

<i>Receipts.</i>	£	s. d.	<i>Expenditure.</i>	£	s. d.
Balance, 31st December, 1901	<u>725</u>	<u>14 8</u>	Balance, 1st January, 1901	<u>725</u>	<u>14 8</u>

SCHOOL OF ENGINEERING, ELECTRICITY, AND TECHNICAL SCIENCE.

<i>Receipts.</i>			<i>Expenditure.</i>		
	£	s. d.		£	s. d.
Balance, 1st January, 1901	500	10 7	Salaries	1,299	0 0
Grant from Museum, Library, and School			Passage-money (Lecturer on Electrical En-		
of Technical Science Endowment Fund	618	18 4	gineering)	71	13 0
Grant towards salary of Lecturer on Elec-			Electrical plant, &c.	457	6 9
trical Engineering	150	0 0	College—Rent of building	193	18 4
Grant towards cost of plant, &c. . .	250	0 0	Exhibitions	20	0 0
Grant from superior education reserves—			Contribution towards expenses of Regis-		
For maintenance and exhibition ..	570	0 0	trar's Office	40	0 0
For salary of Lecturer on Electrical			Gas	38	12 5
Engineering	150	0 0	Insurance	13	2 6
Towards cost of plant, &c.	250	0 0	Printing and stationery	78	19 7
Special contribution from College towards			Advertising	14	2 3
cost of renovating electrical plant ..	175	0 0	Fuel	12	16 2
Students' fees	643	13 0	Laboratory stores	13	0 6
Testing-fees (College share)	50	14 9	Cleaning machinery, firing, &c. ..	34	7 4
Grant from Government under Manual and			Upkeep of plant, general repairs to ma-		
Technical Instruction Act	137	17 9	chinery, &c.	92	10 3
Interest	30	19 4	Preparation of specimens for experimental		
Fee for certificate of Associateship ..	1	1 0	work	62	2 7
Students' fines	1	10 0	Sundries	29	8 1
Sale of books to Professor Scott	0	7 6	Table, cases, &c., for new electrical labo-		
			ratory	72	6 0
			Electrical laboratory—Working-expenses ..	80	10 7
			Apparatus for practical course in applied		
			mechanics	74	14 3
			Balance	832	1 8
	<u>£3,530</u>	<u>12 3</u>		<u>£3,530</u>	<u>12 3</u>

ELECTRICAL LABORATORY BUILDINGS ACCOUNT.

<i>Receipts.</i>	£	s. d.	<i>Expenditure.</i>	£	s. d.
Subsidies from Government	658	0 0	Architects' commission	78	0 4
Balance	<u>1,493</u>	<u>0 4</u>	Contractors' progress payments	<u>1,985</u>	<u>0 0</u>
			Salary of clerk of works	88	0 0
	<u>£2,151</u>	<u>0 4</u>		<u>£2,151</u>	<u>0 4</u>

GIRLS' HIGH SCHOOL CAPITAL ACCOUNT.

<i>Receipts.</i>	£	s. d.	<i>Expenditure.</i>	£	s. d.
Balance, 1st January, 1901	<u>5,002</u>	<u>8 1</u>	Balance	<u>5,002</u>	<u>8 1</u>

GIRLS' HIGH SCHOOL MAINTENANCE ACCOUNT.

<i>Receipts.</i>			<i>Expenditure.</i>		
	£	s. d.		£	s. d.
School-fees	1,535	2 0	Balance	9	16 3
Rent of reserves	288	7 2	Salaries	1,429	5 3
Interest	222	17 1	Contributions towards expenses of Registrar's Office	60	0 0
Proceeds from cooking class	20	9 1	Insurance	10	7 6
			Inspecting reserves	6	10 8
			Examiners' fees	30	2 4
			Scholarships and exhibitions	235	0 0
			Repairs	2	19 4
			Expenses of cooking class	18	18 2
			Fuel	9	15 6
			Advertising	40	14 2
			Prizes	20	11 6
			Printing, stationery, and books	30	9 2
			General expenses	44	19 2
			Boarding-house accommodation (subsidy from Board)	33	6 8
			Emily Foster Memorial Prize	1	19 6
			Balance	82	0 2
	<u>£2,066</u>	<u>15 4</u>		<u>£2,066</u>	<u>15 4</u>

PUBLIC LIBRARY CAPITAL ACCOUNT.

<i>Receipts.</i>	£	s. d.	<i>Expenditure.</i>	£	s. d.
Balance, 1st January, 1901	2,000	0 0	Balance	2,000	0 0

PUBLIC LIBRARY MAINTENANCE ACCOUNT.

<i>Receipts.</i>	£	s. d.	<i>Expenditure.</i>	£	s. d.
Balance, 1st January, 1901	585	6 3	Salaries	617	12 11
Contribution from Museum, Library, and School of Technical Science Endowment Fund	563	0 0	Contribution towards expenses of Registrar's Office	30	0 0
Subscriptions	943	19 6	Insurance	52	17 0
Fines	33	12 7	Gas	110	17 3
Sale of catalogues	2	0 0	Fuel	17	8 8
Sale of magazines	4	10 0	Subscriptions to colonial newspapers	40	8 6
Sale of waste paper	0	15 1	Repairs	32	1 5
Reserving books	5	6 6	Legal expenses	8	12 2
Interest	106	9 0	Printing, stationery, and advertising	27	5 7
Receipts from "Gammack" Trust	200	0 0	Sundry expenses	64	6 0
Government subsidy (parliamentary grant)	19	19 7	New books for circulating department	250	18 6
	<u>£2,464</u>	<u>18 6</u>	Renewal of standard works	55	6 11
			Periodicals and English papers	105	9 10
			Binding books	71	0 2
			Reference library—Books and binding	188	6 5
			Filling water-tank (contract)	8	18 6
			Fee for valuation of security given to Public Trust Department for loan of £4,000	5	0 0
			Expenses connected with temporary reading-room	69	14 0
			Library Catalogue Sinking Fund (transfer)	25	0 0
			Balance	683	14 8
	<u>£2,464</u>	<u>18 6</u>		<u>£2,464</u>	<u>18 6</u>

PUBLIC LIBRARY READING ROOM BUILDINGS ACCOUNT.

<i>Receipts.</i>	£	s. d.	<i>Expenditure.</i>	£	s. d.
Sale of old reading-room building	80	3 5	Architect's commission	113	9 9
Balance	1,719	15 4	Contractor's progress payments	1,614	0 0
			Salary of clerk of works	53	0 0
			Surveying and pegging out site	1	12 0
			Fee for testing building materials	7	7 0
			Accident insurance premium	10	10 0
	<u>£1,799</u>	<u>18 9</u>		<u>£1,799</u>	<u>18 9</u>

PUBLIC LIBRARY BUILDINGS LOAN ACCOUNT.

<i>Receipts.</i>	£	s. d.	<i>Expenditure.</i>	£	s. d.
Public Trust Department, First moiety of loan of £4,000	2,000	0 0	Balance, 31st December, 1901	2,000	0 0
	<u>£2,000</u>	<u>0 0</u>		<u>£2,000</u>	<u>0 0</u>

CIRCULATING LIBRARY CATALOGUE SINKING FUND ACCOUNT.

<i>Receipts.</i>	£	s. d.	<i>Expenditure.</i>	£	s. d.
Balance, 1st January, 1901	175	0 0	Balance, 31st December, 1901	200	0 0
Vote for catalogue (1901)—Transfer	25	0 0			
	<u>£200</u>	<u>0 0</u>		<u>£200</u>	<u>0 0</u>

MEDICAL SCHOOL RESERVES ACCOUNT.

<i>Receipts.</i>				<i>Expenditure.</i>			
		£	s. d.			£	s. d.
Balance, 1st January, 1901	..	..	3,346 17 6	Contribution towards salary of Professor of Biology	..	300	0 0
Rent of reserves	..	..	310 12 0	Contribution towards expenses of Registrar's Office	..	10	0 0
Interest	..	..	131 14 5	Inspection of reserves	..	8	5 8
				Balance of contract for restoration of stone-work in biological laboratory building	..	25	14 11
				Share of cost of printing annual report	..	0	6 4
				Balance	..	3,444	17 0
			<u>£3,789 3 11</u>			<u>£3,789 3 11</u>	

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

<i>Receipts.</i>				<i>Expenditure.</i>			
		£	s. d.			£	s. d.
Balance, 1st January, 1901	..	..	£18,941 8 4	Balance	..	..	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, 1901	..	..	1,243 1 6	Contributions to—			
Rent of reserves	..	..	2,430 0 0	Museum	..	1,225	0 0
Interest	..	..	865 11 7	School of Engineering and Technical Science	..	618	18 4
				Public Library	..	563	0 0
				School of Art	..	600	0 0
				Inspecting reserves	..	22	9 2
				Share of cost of printing annual report	..	0	15 9
				Additional contributions to School of Engineering—			
				Towards salary of Lecturer on Electrical Engineering	..	150	0 0
				Share of cost of plant, &c.	..	250	0 0
				Balance	..	1,108	9 10
			<u>£4,538 13 1</u>			<u>£4,538 13 1</u>	

MUSEUM ACCOUNT.

<i>Receipts.</i>				<i>Expenditure.</i>			
		£	s. d.			£	s. d.
Balance, 1st January, 1901	..	..	81 9 0	Salaries	..	810	0 0
Contributions from Museum, Library, and School of Technical Science Endowment Fund	..	..	1,225 0 0	Insurance	..	53	0 0
Sale of guide-books	..	..	4 10 0	Contribution towards expenses of Registrar's Office	..	30	0 0
Interest	..	..	3 8 7	Repairs	..	5	1 0
				Cases, fittings, &c.	..	22	19 0
				Books and binding	..	5	10 0
				Purchases (specimens)	..	194	16 10
				Freight and charges	..	27	4 10
				Fuel	..	4	7 6
				Sundry expenses	..	24	14 2
				Guide-book Sinking Fund (transfer)	..	10	0 0
				Balance	..	126	14 3
			<u>£1,314 7 7</u>			<u>£1,314 7 7</u>	

ASTRONOMICAL OBSERVATORY ACCOUNT.

<i>Receipts.</i>				<i>Expenditure.</i>			
		£	s. d.			£	s. d.
Balance, 1st January, 1901	..	..	323 8 5	Balance, 31st December, 1901	..	..	336 10 0
Interest	..	..	13 1 7				
			<u>£336 10 0</u>			<u>£336 10 0</u>	

EMILY FOSTER MEMORIAL ACCOUNT.

<i>Receipts.</i>				<i>Expenditure.</i>			
		£	s. d.			£	s. d.
Balance, 1st January, 1901	..	..	61 10 0	Balance, 31st December, 1901	..	..	63 0 6
Interest, to 31st December, 1900, Post-Office Savings-Bank	..	..	1 10 6				
			<u>£63 0 6</u>			<u>£63 0 6</u>	

MORTGAGES OF FREEHOLDS ACCOUNT.

<i>Receipts.</i>				<i>Expenditure.</i>			
		£	s. d.			£	s. d.
Balance, 31st December, 1901	..	..	19,150 0 0	Balance, 1st January, 1901	..	..	19,150 0 0
			<u>£19,150 0 0</u>			<u>£19,150 0 0</u>	

MUSEUM GUIDE-BOOK SINKING FUND ACCOUNT

<i>Receipts.</i>					<i>Expenditure.</i>				
Amount transferred from Museum Account,					Balance, 31st December, 1901 ..				
1901 ..	..	..	..	..	10	0	0	10	0

PUBLIC LIBRARY SCRIP OF SHAREHOLDERS (LIABILITY).

<i>Receipts.</i>					<i>Expenditure.</i>				
Balance ..					Balance, 1st January, 1901..				
..	..	..	..	..	98	10	2	98	10

Examined and found correct.—J. K. WARBURTON, Controller and Auditor-General.

Approximate Cost of Paper.—Preparation, not given; printing (1,525 copies), £10 1s.

By Authority: JOHN MACRAY, Government Printer, Wellington.—1902.

Price 6d.]