

1900.

NEW ZEALAND.

# EDUCATION: THE CANTERBURY COLLEGE.

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

[In continuation of E.—8, 1899.]

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

*Visitor.*—The Minister of Education.

*Board of Governors* (Henry Richard Webb, F.R.M.S., 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—Mr. William Chrystall, Rev. Canon Harper, M.A., Mr. George Gatony Stead, Mr. Thomas Scholfield Foster, M.A., Mr. Henry Richard Webb, F.R.M.S., and Mr. Richard Westerra.

Elected by public-school teachers—Mr. Charles Smith Howard, Mr. Thomas Hughes, B.A., and Mr. Thomas Shaller Weston.

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

Elected by Professorial Board—Mr. Arthur Edgar Gravenor Rhodes, B.A., LL.B.

*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—W. Michell Clarke, M.A. Biology—Arthur Dendy, D.Sc. English Language, Literature, and History—Arnold Wall, M.A.

*Part-time Lecturers.*—Geology—F. W. Hutton, F.R.S. Jurisprudence—W. Izard, M.A., LL.M. Constitutional History—P. F. Rowland, B.A. Political Economy—P. F. Rowland, B.A. Music—G. F. Tendall, Mus. Bac.

*School of Engineering and Technical Science.*—Professor in Charge—Robert J. Scott, M.I.M.E., A.M.I.C.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 Monday, the 26th March, 1900, 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 present is the fourth annual report and statement of the Chairman of the Board of Governors since the passing of "The Canterbury College and Canterbury Agricultural College Act, 1896," and the twenty-seventh since the establishment of the institution.

The previous report was delivered on the 27th March, 1899, and Mr. H. R. Webb was re-elected Chairman on the 3rd July. The death has to be reported of Mr. Richard William Fereday, F.E.S., who joined the Board so long ago as April, 1876, and retained the seat until the Canterbury College and Canterbury Agricultural College Act came into operation on the 30th June, 1896. Mr. Fereday took a deep interest in all matters connected with the Museum, and was himself a collector of some note. During the year Mr. H. B. Kirk, having taken up his residence in Timaru, resigned his seat. Mr. John Jackson, of Timaru, in consequence of the distance from Christchurch, was unable to continue on the Board. In place of these retiring members His Excellency the Governor selected the Right Rev. Bishop Grimes and Mr. Charles Reid, of Ashburton. The ordinary election of members on the 1st July resulted as follows: Re-elected by His Excellency the Governor, Right Rev. Bishop Julius; elected by members of Parliament, Harry Joseph Beswick; re-elected by graduates, William Chrystall and Rev. G. Webster; re-elected by teachers, T. S. Weston; re-elected by School Committees, G. W. Russell. The Hon. E. C. J. Stevens declined to stand at the above election. He has occupied a seat on the Board continuously, with the exception of a few months, since November, 1875. His knowledge and experience were

of much assistance to the Board. In consequence of ill-health the Rev. Gordon Webster was compelled to resign his seat; and, the Rev. Canon Harper having been detained in England, two casual vacancies were occasioned. To fill these the graduates elected the Rev. Canon Harper in his absence, and in place of the Rev. Gordon Webster they elected Mr. Thomas Scholfield Foster, M.A. In consequence of his eyesight being affected, Professor Robert J. Scott obtained leave of absence, and has derived much benefit from the change. Mr. A. Dudley Dobson, M.I.C.E., has carried on the work of the department of engineering during the absence of the professor. Professor A. W. Bickerton has obtained leave of absence for the current year, with a view to the re-establishment of his health. In his absence the honours lectures in chemistry and physics will be taken by Mr. W. P. Evans, M.A., Ph.D., while Mr. Page will have the charge of the department. The lectures in constitutional history and political economy during the year were taken by Mr. Percy F. Rowland, of Hertford College, Oxford.

"The Canterbury College Powers Act, 1898," having come into force during the year, the accounts of the institution have been much simplified. All the properties that the Board was compelled to take over have now passed out of the hands of the College; while the sum of £960, less all costs and charges, as authorised by the Canterbury College and Canterbury Agricultural College Indemnity Act, has been paid over to Mr. G. H. Saxton, and has been charged to the various departments interested.

Professor Dendy has presented to the College library, and also to the reference department of the Public Library, copies of his "Monograph on the Development of the Tuatara Lizard," perhaps the most interesting animal now living in New Zealand. This work, which was published in London last year, is the outcome of original research carried out in the biological laboratory of the College.

The number of students who have attended lectures during the year is as follows: Matriculated, 117; non-matriculated, 65; total, 182.

The number of students attending each lecture during the last term of 1899 was as follows:—

*Classics.*—Pass Latin: Translation, 28; composition, 29. Greek: Translation, 1; composition, 1. Honours Latin: Translation, 3; composition, 4. Pass Latin: Teachers' class, 7.

*English Literature and Language.*—Pass Lectures: History and structure of the English language, 30; Anglo-Saxon and middle English, 28; literature and set books, 39; essay class, 29. Honours Lectures: Anglo-Saxon and middle English, 9; philology, 8; literature and set books, 7.

*English History.*—Pass history of England; 14.

*Mathematics.*—Pass pure mathematics, 38; pass mechanics and hydrostatics, 18. Honours mathematics, 9; honours elementary mechanics and hydrostatics, 4.

*Chemistry and Physics.*—Pass chemistry, 16; honours chemistry, 2; teachers' chemistry, 4; pass physics, 14; honours physics, 5; practical chemistry (junior and pass), 32; practical physics (junior and pass), 14; practical physics and chemistry (honours and research), 2.

*Geology.*—Junior geology, 5; senior geology, 1.

*Biology.*—Pass botany, 7; practical botany, 7; honours botany, 2; honours practical botany, 1; pass general biology (Part II.), 5; pass zoology (Part II.), 2; practical zoology (Part II.), 6; honours practical zoology, 3.

*French.*—Pass Lectures: Composition, 20; authors, 16; grammar, 17; literature, 15; composition (teachers' class), 1. Honours Lectures: Composition, 4; authors, 4; essay and literature, 5; philology, 7; literature, 2.

*German.*—Composition I. and philology, 3; translation and literature, 4; for beginners, 3.

*Jurisprudence and Law.*—Pass jurisprudence, 9; honours jurisprudence, 7; law (second section), 3; law (third section), 2.

*Constitutional History.*—11.

*Political Economy.*—Pass, 19; honours, 1.

*Music.*—Rudiments of music and harmony (junior first-year students), 10; harmony, &c. (intermediate second-year students), 14; harmony, counterpoint, history, &c. (senior third-year students), 14; advanced harmony, composition, &c., 1; study of form in composition, 13.

**SUCCESSFUL STUDENTS.**—Students were recorded by the University Senate as having passed in their respective examinations as follows: Honours and also Degree of Master of Arts, 7. Bachelor of Arts, final examination, 8; first section, 21. Doctor of Science, 1. Bachelor of Science, final examination, 1; first section, 1. Bachelor of Science in Engineering, third and final examination, 1; first examination, 3. Bachelor of Music, final examination, 2. Bachelor of Laws, second section, 6; first section, 1.

Of the six senior scholarships awarded by the University one and a half were gained by students of this College.

The Bowen prize, for an essay on "The Mutual Dependence of the Commercial and Political Interests of Great Britain," was awarded to an undergraduate of this College.

The Macmillan Brown memorial prize, for the best imaginative composition either in prose or verse, and given every alternate year, has been awarded once, and was gained by an undergraduate of this College.

Two students of this College were awarded commissions in the Imperial army.

**MUSIC.**—The affiliation of our College with the Associated Board of the Royal Academy of Music and the Royal College of Music met with increased support at its second annual examination, held in December. The examination was conducted by Mr. G. P. Moore, of the Royal College of Music, London. The performance of the candidates was far above the average of the examination in 1898; both teachers and pupils had no doubt learned by experience that it was a mistake to attempt too high a grade. Mr. Moore, in his report, says that "Christchurch is one of the most promising musical centres he has visited on his tour through Australasia. Both teachers and pupils have done their work thoroughly, and the influence of the really excellent teaching should

have a marked effect upon the future musical progress of the colony, as it is only possible by correct and methodical methods in this respect to lay the foundation of a musical education that will prove of any lasting benefit."

There were eighty-eight candidates examined in their respective grades, of whom seventy-five passed.

EXEMPTED STUDENTS.—During the year examinations for exempted students have been held at Nelson, Wanganui, and Timaru, the numbers attending being 11, 9, and 3 respectively.

#### SCHOOL OF ENGINEERING AND TECHNICAL SCIENCE.

The Professor in charge reported as follows :—

"*Attendance.*—One hundred and six students attended lectures, the total number of hour attendances being 483. Eleven of these students have matriculated, and are taking the full University course. This course is undoubtedly a hard one, and beyond the requirements and attainments of a great majority of the students. It would appear to be advantageous to supplement this course by one of a character somewhat similar to that in vogue here before the granting of the degree B.Sc. by the University. Again, the smallness of the proportion of extra students who take lectures in applied mechanics and similar subjects appears to point to more elementary instruction in these subjects being necessary if it is desired that the department shall occupy, as it practically now does, the twofold position of an engineering college and an evening technical school. If this be so, what is required is—(1) the University course; (2) a college certificate course; (3) a more elementary evening course. To carry out the latter portion of this scheme an addition to the teaching staff may be required, but it must be recognised that the necessity for such an addition arises from no increase in the number of students.

"*Electrical Engineering.*—I venture to again bring under the notice of the Board the fact that the teaching of applied electricity cannot be omitted from a modern system of engineering instruction. So generally is this now recognised that in not one of the twenty universities, engineering colleges, and technical schools which I visited during the past year is this subject not given special prominence. It has already been pointed out that the maximum cost of such a department to the College would not exceed £225 per annum; in all probability it would be less. Further, I am confident that if these suggestions with regard to the engineering department can be carried out the attendance will have increased to at least two hundred within the next five years."

#### GIRLS' HIGH SCHOOL.

There has been no change on the teaching staff during the year, except that Major U. V. Richards, drill-instructor for the school, obtained leave of absence for the second term and part of the third term to pay a visit to England. During his absence the drill classes were satisfactorily conducted by one of the staff of the Defence Department.

The health of the pupils has been excellent throughout the year. The roll-number for the third term was 124.

Altogether thirty-five scholars held scholarships or exhibitions, which at least covered their school fees, sixteen holding scholarships or exhibitions from the Board of Governors, sixteen scholarships from the North Canterbury Board of Education, one a scholarship from the South Canterbury Board of Education, one the Canterbury Caledonian Society's scholarship, and one received free education from the Board of Governors. The school did well at all the December public examinations. One pupil gained a Junior University scholarship (9th scholar), and also a Gammack scholarship. Two other pupils who entered for this examination matriculated in the credit list. Three took the medical preliminary examination, and all passed; eleven the matriculation, and ten passed. Board of Education Senior scholarships were won by three pupils. Two pupils entered for the Senior Civil Service examination, and both passed. Five pupils entered the South Kensington Freehand Certificate examination, and obtained first-class certificates.

Improvements have been made to the buildings during the year by inserting additional ventilators in the walls of one of the class-rooms, and adding extra deep sash-boards to several of the windows. These alterations have been found very satisfactory, and the ventilation and heating of the whole school is now very good.

#### Boys' HIGH SCHOOL.

The number of boys at the school for the last term of 1899 was 225. During the second term of the year the headmaster was absent owing to illness, and was finally obliged to ask for leave of absence for a year, which was granted from the 1st September, 1899. Mr. B. K. S. Lawrence, B.A., the senior assistant master, was appointed acting headmaster during Mr. Bevan-Brown's absence. Mr. J. Harkness, M.A., assisted in the school for the first half of the second term until the appointment of Mr. F. B. Sykes, B.A., Cambridge, as temporary master for the remainder of Mr. Bevan-Brown's absence. Mr. Sykes resigned at the end of the year in order to join the Second New Zealand Contingent for the Transvaal. The drill-instructor, Major U. V. Richards, was also granted six months' leave of absence, and the drill was carried on by one of the staff of the Defence Department.

During the year all the inside walls of the original part of the school buildings were cleaned and distempered.

The various departments of the school progressed satisfactorily. The honours gained during the year were as follows: Of four boys who entered, one gained a Junior University scholarship, being fourth on the list; one came third on the list, but, being too young, is unable to hold the scholarship; one passed with credit, and the other boy matriculated. An old boy was third on the credit list. Of fourteen boys who entered for matriculation ten passed. Two passed the medical preliminary. Three won Senior Scholarships granted by the Board of Education. Of old boys, one gained the Murchison Memorial scholarship, open to graduates of Edinburgh and London.

Four boys entered for the Senior Civil Service examination, all of whom passed. Of twelve boys who entered for the Junior Civil Service examination eleven were successful, one taking the first and one the fourth place.

#### PUBLIC LIBRARY.

The question of providing additional accommodation for readers and subscribers at the public library has received much attention from the Board of Governors during the past year. It is hoped that during the current year some definite scheme may be arrived at and the requisite powers obtained for erecting a reading-room and for increasing the space allotted to the circulating department.

*Reference Department.*—During the period under review the department has been opened to the public for 295 days, exclusive of Sundays. The attendance of readers has been very regular, but it is a matter of regret that twelve volumes have been abstracted, as per list attached. These losses were discovered at the annual stock-taking, which took place in September. The destructive effect of the gas on the binding of the volumes is very perceptible, and results in considerable extra expenditure for binding and repairs. Some 250 volumes of old New Zealand and Australian works have been purchased at local auction sales, thus adding considerably to the value of the collection previously acquired. The total number of books and pamphlets added since the last annual statement is 844, bringing the total in this department to 12,368 volumes. The subjects comprising this total are enumerated in a list attached. The donations for the year number 111 volumes and pamphlets, which have been acknowledged in due course. Publications have also been presented by the United States of America, New South Wales, Victoria, South Australia, Queensland, Western Australia, Tasmania, and New Zealand. The "Dictionary of National Biography," comprising sixty volumes, as far as published, is now on the shelves. A much-needed improvement in the lighting has been made, the old burners having been replaced by the incandescent. It is anticipated that a considerable saving in the cost will result.

*Circulating Department.*—The total number of books in this department is 18,431, divided up into subjects as per list attached. The number of new books and renewals added during the year is 1,099; 443 volumes have been taken off the shelves in consequence of being unfit for issue; of this total no less than 435 were volumes of fiction. It is probable that 500 volumes of standard popular novels will require to be replaced during the year 1900. The *Cassell's Magazine*, the *National Review*, and the *Woman at Home* have been added to the list subscribed for. The library was closed for the annual stock-taking from the 1st to the 6th January, when sixty-five volumes were found to be missing; some of these have since been returned to the shelves. Fifty-three volumes of old New Zealand and Australian works dealing with the early history of the colony have been transferred to the reference library. The work of compiling a new catalogue of this department is in hand; whenever current work permits the attention of the staff will be directed towards its completion. A larger building for this department is much needed to provide additional reading-room for the use of subscribers, and also extra shelving. The average number of subscribers for the year was 1,767. The sum of £200 was received from the Gammack Trust up to the 31st December. The death of Mr. Arthur Postle, of Papanui, took place on the 31st December, 1899. After providing for certain legacies, he has left the residue and remainder of his estate to the Christchurch Public Library, to be expended by the Board of Governors of the Canterbury College in the purchase of books for either the circulating or reference library. The following figures show the income from subscriptions during the last seven years: 1893, £757 12s.; 1894, £782 2s. 6d.; 1895, £651 1s. 6d.; 1896, £739 14s. 6d.; 1897, £825 1s.; 1898, £857 15s.; 1899, £889 10s. 6d.

*Reading-room.*—A new reading-room is absolutely necessary for the convenience and accommodation of the public. The daily attendance is very large, particularly during the evening. Visitors, although not permitted to remove the magazines, frequently do so, to the inconvenience of others. The following papers and magazines are placed on the table: English papers and magazines, 21; American papers, 3; Australian papers, 9; New Zealand papers, 82.

#### Canterbury Public Library.—List of Magazines, Papers, &c., received.

	Daily, Bi-, and Tri- weekly Papers.	Weekly Papers.	Monthly Magazines.	Quarterly Magazines.	Total.
<b>Circulating Department—</b>					
British.. .. .	1	10	42	..	53
American .. .. .	..	..	10	..	10
Australian .. .. .	..	..	1	..	1
New Zealand .. .. .	..	2	5	..	7
	1	12	58	..	71
<b>Reference Department—</b>					
British .. .. .	..	4	14	2	20
American .. .. .	..	..	2	..	2
Australian .. .. .	..	..	2	..	2
New Zealand .. .. .	..	..	2	..	2
	..	4	20	2	26
<b>Reading-room—</b>					
British.. .. .	..	8	13	..	21
American .. .. .	..	1	2	..	3
Australian .. .. .	4	5	..	..	9
New Zealand .. .. .	62	15	5	..	82
	66	29	20	..	115

Canterbury Public Library: Circulating Department.—Stock-sheet for Year ending the 31st December, 1899.

	History and Folios.	Biography.	Travels, &c.	Architecture.	Fiction.	Classics and Literature.	Poetry and Drama.	Geology, Natural History, Science, and Botany.	Magazines.	Miscellaneous.	Total.
In stock, 1st January, 1899 ..	1,344	1,459	1,595	324	8,862	981	363	829	1,066	1,102	17,925
New books and renewals added during year ..	66	63	54	1	783	32	3	17	53	27	1,099
Total .. ..	1,410	1,522	1,649	325	9,645	1,013	366	846	1,119	1,129	19,024
Taken off, unfit for issue ..	..	..	..	..	435	..	..	..	7	1	443
Placed in reference library ..	2	2	37	..	..	..	8	..	22	4	75
Books, &c., lost .. ..	..	..	1	..	6	..	1	2	..	..	10
Books missing .. ..	2	1	3	..	52	..	1	3	..	3	65
Total .. ..	4	3	41	..	493	..	10	5	29	8	593
In stock, 1st January, 1900 ..	1,406	1,519	1,608	325	9,152	1,013	356	841	1,090	1,121	18,481

Canterbury Public Library: Circulating Department.—Particulars of the Issue of Books for Twelve Months.

History ... ..	1,980	Miscellaneous ... ..	768
Biography ... ..	2,112	Magazines (bound) ... ..	3,468
Travels ... ..	3,276		
Architecture ... ..	72		106,872*
Fiction ... ..	93,024	Magazines (monthly numbers) ... ..	8,940†
Literature ... ..	1,068		
Poetry and drama ... ..	528		115,812‡
Science ... ..	576		

\* Daily average, 352.

† Daily average, 29.

‡ Total daily average, 381.

Reference Department.—Total of Books in each Section.

	1898.	New Books added 1899.	Total.	Books lost.	Total Volumes 31st December, 1899.
History ... ..	1,077	61	1,138	..	1,138
" constitutional ... ..	47	2	49	1	48
Travels ... ..	395	197	592	..	592
Literature—					
English ... ..	520	4	524	1	523
Poetry and drama ... ..	278	3	281	..	281
Foreign ... ..	399	1	400	1	399
Biography ... ..	538	31	569	..	569
Mineralogy ... ..	18	3	21	..	21
Astronomy ... ..	90	..	90	..	90
Biology ... ..	26	1	27	..	27
Geology ... ..	169	4	173	2	171
Zoology ... ..	287	6	293	..	293
Natural science generally ... ..	221	7	228	..	228
Fine arts ... ..	355	12	367	..	367
Society of musicians ... ..					
Almanacs ... ..	956	77	1,033	..	1,033
Calendars ... ..					
Legal ... ..	70	..	70	..	70
Mathematics ... ..	121	2	123	1	122
Architecture ... ..	569	56	625	2	623
Dictionaries ... ..	338	10	348	2*	345
Political ... ..	2,188	163	2,351	..	2,329†
Newspapers ... ..	336	38	374	..	374
Chemistry and physics ... ..	72	2	74	..	74
Divinity ... ..	752	6	758	..	758
Educational ... ..	166	14	180	..	180
Miscellaneous ... ..	264	44	308	..	308
Botany ... ..	107	5	112	..	112
Agriculture and farming ... ..	278	18	296	2	294
Learned societies ... ..	171	4	175	..	197†
Philosophy ... ..	625	70	695	..	695
Anatomy ... ..	104	3	107	..	107
Medicine and surgery ... ..					
	11,537	844	12,381	12	12,368

\* And one taken off.

† Twenty-two books transferred from political to learned societies.

## MUSEUM.

During the past year the Museum has made satisfactory progress. Exchanges have been completed with the Museums in Auckland and Dunedin, as well as with St. Mary's Industrial School in Nelson; also with Sir Walter Buller and Mr. W. S. Knowles, of Ireland. Collections have been sent to the National Museum at Washington, and to Professor E. P. Taylor, F.R.S., at Oxford, but their returns have not yet been received. The bust of Sir J. von Haast has been mounted on a pedestal made from Timaru stone, the gift of Lady Von Haast.

The printing of all the larger labels is practically completed, and attention is now being directed to improving some of the smaller ones. A new case has been placed in the ethnological room, and a series of cases round the gallery of the New Zealand room, to hold the collection preserved in fluid. The following are the principal additions to the collections:—

*Natural History Collections.*—The large mammals and reptiles, both skins and skeletons, have been rearranged, so that they can be better seen. The only additions are some Japanese petrels, which were purchased; and a large herbarium of British plants, presented by the Hon. E. C. J. Stevens, M.L.C.

*Archaeological Collections.*—An important collection of the so-called "Eolithic" flint implements, from the high chalk plateaux of Kent, has been obtained by purchase; also eleven pieces of ancient Peruvian pottery from the collection of the late Colonel North, and a helmet and cuirass of the French Imperial Guard of the early part of this century. Twenty excellent flint arrow-heads from Ireland were obtained by exchange.

*Ethnological Collections.*—A model of an ocean canoe from Santa Cruz was presented by the Rev. W. G. Ivens; a so-called "fetish" or stone ring from Erromanga, by Dr. R. Millar, R.N.; a piece of Native pottery from Espirito Santo, by Captain Leah, R.N.; a grave-axe from New Guinea, by Mr. Aug. Hamilton; and two large wooden figures from Rangoon, by Captain James Wilson. A canoe from Rarotonga and a food-bowl from the Admiralty Islands were added by exchange. The following have been purchased: A large collection of objects from the Solomon Islands, Santa Cruz, and New Guinea, and an old stone adze, mounted in a handle, from Tahiti; a very fine bronze mask, being a support for an elephant's tusk, from the City of Benin; a remarkable wooden figure from the Island of Leti, Malay Archipelago; an ancient gilt-bronze figure from China; a large bronze Buddha from India; and a pistol from Afghanistan.

Old copies of the *Times*, containing accounts of the battles of the Nile and Trafalgar, were presented by Mr. R. D. Thomas; and a table-cloth of Queen Anne, as well as two plates which once belonged to Lord Clive, by Mr. J. A. Parsons.

*New Zealand Collections.*—Six birds from the Auckland Islands, Antipodes Island, and Stewart Island were presented by Lieut.-Commander Ayscough, R.N. Mr. R. W. Fereday's well-known collection of New Zealand *Lepidoptera* has been acquired by purchase. This collection contains 2,530 specimens, representing 335 species, and, in addition, there are between two and three thousand duplicates available for exchange. Mr. G. V. Hudson has presented a number of *Diptera*, and Mr. A. T. Urquhart his entire collection of spiders, including the types of his species published in the "Transactions of the New Zealand Institute." Mr. G. M. Thomson has also presented a number of New Zealand Crustacea; Mr. H. Farquhar several star-fishes and sea-anemones; and Professor A. Dendy has given a set of his New Zealand land-planarians. It will be thus seen that our New Zealand natural history collection has been very materially increased.

Mr. Harley Thomas has presented a very interesting collection of kauri-gum, including several specimens containing insects.

*Maori Collections.*—A Maori skull that has undergone the operation of trephining was obtained by exchange, as also were two steering-paddles. Several objects were purchased from the Urewera Natives through Mr. Elsdon Best. A Maori paint-stone and rubber, two nephrite beads, and some wooden net-floats were presented by Mr. Aug. Hamilton. A large collection of stone adzes, &c., were presented by Mr. W. W. Smith, and a few by Mr. Harley Thomas. A number of stone implements from the Chatham Islands were acquired by purchase.

*Library.*—In addition to the usual presentations from museums, scientific societies, and foreign Governments, the following books have been presented: "The Students' Flora of New Zealand," by the Education Department; "Instincts and Habits of Solitary Wasps," by the Director of the Wisconsin Geological Survey; Gravenhorst's "Ichneumonologia Europea," by the Curator; "Fauna Hawaiiensis," vol. i., by the Trustees of the Bernice Pauahi Bishop Museum at Honolulu. The following have been purchased: Ratzel's "History of Mankind," vol. iii.; Partridge and Heape's "Ethnological Album of the Pacific Islands," Part III.; R. Lydekker's "Deer of all Lands."

## SCHOOL OF ART.

As compared with 1898 the numbers have been as follows:—

1898: Morning—First term, 34; second term, 35; third term 33. Evening—First term, 98; second term, 103; third term, 102. Saturday—First term, 84; second term, 86; third term, 93. Friday afternoon (wood-carving)—First term, 3; second term, 8; third term, 6.

1899: Morning—First term, 39; second term, 34; third term, 36. Evening—First term, 105; second term, 122; third term, 124. Saturday—First term, 81; second term, 78; third term, 89. Friday afternoon (wood-carving)—First term, 6; second term, 6; third term, 4.

It is encouraging to note that in the class which in some respects is the most important in the school the increase in attendance is most marked—I refer to the evening class, which is associated more directly with the trades.

*Drawing and Painting.*—Classes, both elementary and advanced, have been held on Monday, Wednesday, and Friday, from 10 a.m. to 1 p.m. and 7 to 9 p.m. The work has comprised outline and light and shade from casts of ornament and the antique, monochrome, colour, and studies from

still life, flowers, and life, both draped and nude. The work has been exceedingly successful, and a larger number of prizes has been won in outside competitions than in any previous year. The class for lady students for the study of the full figure has improved, both in attendance and quality of work. Its value as a training in form and proportion cannot be overestimated. The landscape class has gone out to study from nature one day a week. No work from copies is allowed, the preparation study being drawing from models and painting from still life. The attendance has been slightly larger than in 1898.

*Modelling, Casting, and Moulding.*—Classes have been held as follows: Morning—Wednesday, 11:30 to 1: average attendance for the last term, 14.42, compared with 12.77 the previous year. Evening—Monday, 7 to 9: average attendance the last term in 1898 and 1899 being respectively 16 and 10.30. The elementary work has been modelling from casts of ornament and antique. The more advanced have worked from flat copies and from natural foliage, adapting the latter to decorative purposes. The most advanced have modelled from the antique and life in full and bas-relief. Various kinds of moulding have been practised, and a large number of casts in plaster taken from the work of the students.

*Wood-carving.*—Classes have been held on Friday afternoon from 3 to 5, Saturday morning from 9.30 to 11, and an additional one the last year on Monday nights from 7 to 9. The numbers attending the last term were: Friday, 4; Saturday, 7; Monday, 6. The work has mainly consisted of chip and incised carving, though a few are now working in relief. The work in this branch is not so satisfactory as could be wished, owing to the small number attending and the brief period most of them remain. To learn a little of the use of the tool seems sufficient for most, and then they are content to remain mere copyists or adapters of other people's designs, instead of learning to produce original work by the study of drawing, modelling, and decorative design.

*Geometry and Perspective.*—The usual classes in these subjects have been held throughout the year. The numbers for last term were as follows: First-grade geometry, 61; second-grade geometry, 19; advanced geometry, 4; perspective (elementary), 27.

*Architecture.*—This class has considerably improved during the year in attendance, the numbers being, in the third term of 1898, 11, and the third term of 1899, 22. Lectures have been given on Monday evenings, and the drawing done on Monday and Friday.

*Decorative Design.*—This subject has been studied on Thursday evenings from 7 to 9. The attendance was: Third term, 1898, 21; third term, 1899, 14. Lectures have been given on elementary and advanced design, illustrated by limelight views. Considering the useful character of these lectures, it is to be regretted that such a small number avail themselves of the benefit and information to be derived from them.

*Sign-writing, House-painting, and Decorating.*—This class was started the third term of last year specially for apprentices and young tradesmen, though others are admitted. A five-years course has been prepared, including theoretical and practical work, upon which certificates will be issued. The work is planned for three nights a week, the practical part being taken one night a week. This portion has been placed under the charge of Mr. J. Lang, a thoroughly qualified tradesman. Eighteen students joined this class, which is an indication, I think, that it is supplying a want, and will be a success.

*Scholarships, Canterbury Industrial Association.*—These scholarships were founded in 1898, and entitle the holders to free tuition for two years. As now arranged, three are offered one year and two the next alternately, those eligible to compete being apprentices and tradesmen under the age of twenty-one. Three scholarships were awarded last December.

*Scholarships, Builders' Association.*—Last year the Christchurch Builders' Association founded two annual scholarships, open for competition to apprentices in carpentry, masonry, and brickwork. One is restricted to those over eighteen and under twenty, and the other to those under eighteen. The first competition was held in June, 1899. The holders of these scholarships from both associations have shown by their diligent application their desire to take full advantage of the opportunity given them, and the results fully prove the wisdom of having such scholarships. It is to be hoped that other trades will in a similar way and by the offering of prizes help in the training of our youths, and so forward the interests and improvements not only of those engaged in the trades, but of the trades themselves.

*Boys' High School.*—This work has been similar to that of the previous year, except that the numbers attending have increased. Model-drawing has been taught to a senior division on Thursdays from 3.20 to 4 p.m., and to a junior one on Mondays for the same time.

*State School Scholarships.*—The annual free studentships offered by the Board to the head boy in drawing in each of the ten district schools were competed for last February.

*Free Studentships.*—The six free studentships offered by the Board for annual competition on the past year's work were awarded as follows: Morning students—Head from life in colour, painting landscape from nature, and painting from still life in colour. Evening students—Drawing from life, drawing from the antique, and architecture. An additional one was awarded in decorative design. It is intended to give this for competition annually.

Prizes were given for modelling in clay from life, painting from still life (two), landscape from nature, drawing from life (nude), freehand, model (two), decorative design; and, in the Painters' and Decorators' Class, for best-grained panel in oak and best-grained panel other than oak.

*Prizes, Outside Competitions.*—Prizes, as follows, were won by our students:—

Otago Art Society, November, 1899: For painting head from life, figure from the antique, and landscape from nature.

New Zealand Academy of Fine Arts, Wellington, July, 1899: For head from life in colour, landscape from nature, painting from still life, figure from the antique, and design for the outside of catalogue-cover. The prize for modelling was not given. With this exception our students won every prize offered, a Wellington student in one case being equal with ours.

Canterbury Society of Arts, April, 1899: For design for outside of catalogue-cover (first and second), decorative design, architectural sketches, landscape from nature, painting from still life, and modelling from bust. With one exception our students won every prize offered.

Science and Art Department, London, National Competition: This competition is open to the schools of the United Kingdom and all the colonies. About twelve gold medals, fifty silver, and two hundred bronze are given annually, and some hundreds of book prizes. An average of some 6,500 works are annually sent for competition from all parts, and it is thus a great honour to win any award, especially a medal. In the competition for 1899 two of our students gained awards—viz., G. R. Hart, book prize, architectural drawing; S. L. Thompson, silver medal, still-life painting. The latter is the highest award that has ever been gained in the colony.

From the above records it will be seen that the school has scored phenomenal successes in outside competitions, successes that have never been previously equalled in the school's history.

*Annual Exhibition.*—The annual exhibition of students' work was held at the beginning of the year, when the various branches of work were well represented, one of the prominent features being the painters' and decorators' work, which was very creditable, considering it had only been started the last term.

*Examinations (Local).*—The results of these examinations, held last December, are as follows: Second grade: Freehand—82 candidates, 69 passed; model—89 candidates, 82 passed; geometry—16 candidates, 10 passed; perspective—23 candidates, 10 passed; blackboard—14 candidates, 12 passed. Full second-grade certificates, 5. Unattached students: Freehand—3 candidates, 3 passed; model—2 candidates, 2 passed; perspective—2 candidates, 2 passed; blackboard—3 candidates, 3 passed. Full second-grade certificates, 2. First-grade geometry: 36 candidates, 19 passed. Wood-carving: Elementary stage—2 candidates, 1 passed. Modelling: Elementary ornament—10 candidates, 10 passed; advanced ornament—1 candidate, 1 passed; elementary antique—4 candidates, 4 passed.

*Science and Art Department, South Kensington.*—The results of the examinations held under this department in June, 1899, are as follows: Students' elementary certificate: Freehand, model, geometry, and light and shade—32 candidates, 28 passed. Art-class teacher's certificate: Perspective (elementary), light and shade (advanced), freehand (advanced), model (advanced)—20 candidates, 20 passed. Other subjects: Drawing from life—3 candidates, 2 passed; painting from still life—1 candidate, 1 passed; building construction—6 candidates, 5 passed; design (elementary)—4 candidates, 2 passed. Totals: 119 candidates, 107 passes. Four works were accepted for the art-class teacher's and art master's certificates. Our school is again at the head of the colony with 89·91 per cent. of passes—i.e., for the last year we are able to compare results—viz., 1898.

*Additions to Collections of Examples.*—Wood-carving—Set twelve of casts illustrating various stages of instruction and work. Animal—Two casts of horse and lion. Ornament—Eleven casts illustrating various periods and character of work. Figure—Two busts and one statuette. Meyer's "Handbook of Ornament" was also added to the library.

*Added by Private Presentation.*—Twenty-eight books on decorative art (R. C. Bishop, Esq.); ten tiles (C. J. Mountfort, Esq.); set of tiles (W. Reece, Esq.).

STATEMENT OF THE ACCOUNTS OF THE CANTERBURY COLLEGE FOR THE YEAR ENDING  
31ST DECEMBER, 1899.

STATEMENT OF BALANCES AT 31ST DECEMBER, 1899.

		<i>Accounts.</i>			
CR.		£	s.	d.	£. s. d.
School of Art Account	.. .. .	115	9	7	
Boys' High School, Capital Account	.. .. .	19	5	0	
Classical School, Capital Account	.. .. .	40	2	1	
Superior Education, Capital Account	.. .. .	224	5	4	
College Maintenance Account	.. .. .	407	14	7	
School of Engineering and Technical Science Account	.. .. .	259	11	4	
Girls' High School, Capital Account	.. .. .	5,002	8	1	
Girls' High School, Maintenance Account	.. .. .	55	17	7	
Public Library, Maintenance Account	.. .. .	456	17	7	
Public Library Catalogue Sinking Fund	.. .. .	25	0	0	
Medical School, Reserves Account	.. .. .	3,459	2	11	
Museum, Library, and School of Technical Science, Capital Account	.. .. .	18,941	8	4	
Museum, Library, and School of Technical Science, Endowment Account	.. .. .	1,185	7	9	
Astronomical Observatory Account	.. .. .	310	18	6	
Emily Foster Memorial Fund	.. .. .	61	10	0	
					30,564 18 8
DR.					
Boys' High School, Maintenance Account	.. .. .	49	13	3	
Museum Account	.. .. .	5	15	0	
					55 8 3
					£30,509 10 5
<i>Bank and Investments.</i>					
Drawing Account	.. .. .	15,329	5	3	
Less outstanding cheques	.. .. .	69	14	10	
					15,259 10 5
Mortgages of freeholds	.. .. .	15,250	0	0	
					£30,509 10 5







*Girls' High School, Capital Account.*

<i>Receipts.</i>		£	s.	d.	<i>Expenditure.</i>		£	s.	d.
Balance, 1st January, 1899	..	5,062	17	8	Share of indemnity to G. H. Saxton	..	60	9	7
					Balance	..	5,002	8	1
		<u>£5,062</u>	<u>17</u>	<u>8</u>			<u>£5,062</u>	<u>17</u>	<u>8</u>

*Girls' High School, Maintenance Account.*

<i>Receipts.</i>		£	s.	d.	<i>Expenditure.</i>		£	s.	d.
Balance, 1st January, 1899	..	228	19	7	Salaries	..	1,515	4	0
School-fees	..	1,458	19	6	Contribution towards expenses of Registrar's office	..	60	0	0
Rent of reserves	..	288	7	2	Insurance	..	10	7	6
Interest	..	131	19	7	Inspecting reserves	..	7	15	4
Proceeds from cooking-class	..	23	2	7	Examiners' fees	..	53	9	0
					Scholarships and exhibitions	..	240	0	0
					Repairs	..	9	14	0
					Expenses of cooking-class	..	21	19	5
					Fuel	..	8	8	6
					Advertising	..	26	5	3
					Prizes	..	24	19	11
					Printing, stationery, and books	..	28	15	0
					General expenses	..	68	12	11
					Balance	..	55	17	7
		<u>£2,181</u>	<u>8</u>	<u>5</u>			<u>£2,181</u>	<u>8</u>	<u>5</u>

*Public Library, Maintenance Account.*

<i>Receipts.</i>		£	s.	d.	<i>Expenditure.</i>		£	s.	d.
Balance, 1st January, 1900	..	450	14	9	Salaries	..	510	15	0
Contribution from Museum, Library, and School of Technical Science Endowment Fund	..	463	0	0	Contribution towards expenses of Registrar's office	..	30	0	0
Subscriptions	..	889	10	6	Insurance	..	52	17	0
Fines	..	17	19	3	Gas	..	124	7	4
Sale of catalogues	..	6	16	6	Fuel	..	24	2	9
Sale of magazines	..	5	19	3	New books (circulating department)	..	229	19	4
Sale of waste paper	..	4	1	4	Renewal of standard works	..	64	0	11
Fees for reserving books	..	5	0	6	Periodicals and English papers	..	74	16	8
Interest	..	18	15	1	Colonial newspapers	..	35	13	0
Receipts from "Gammack" Trust	..	200	0	0	Repairs	..	23	10	8
Government subsidy (parliamentary grant)	..	16	7	7	Legal expenses	..	2	4	6
Refund to "New Zealand Country Journal"	..	0	5	6	Reference library—Books and binding	..	166	19	10
					Catalogues (sinking fund)	..	25	0	0
					Supplementary catalogues	..	9	2	6
					Printing, stationery, and advertising	..	32	4	6
					Binding	..	51	1	11
					Sundry expenses	..	54	1	3
					Shelving in reference library	..	57	15	0
					Connection with main sewer	..	30	9	0
					Painting exterior	..	8	18	6
					New guttering	..	13	13	0
					Balance	..	456	17	7
		<u>£2,078</u>	<u>10</u>	<u>3</u>			<u>£2,078</u>	<u>10</u>	<u>3</u>

*Circulating Library Catalogue Sinking Account.*

<i>Receipts.</i>		£	s.	d.	<i>Expenditure.</i>		£	s.	d.
Circulating Library Maintenance Account—	..	25	0	0	Balance	..	25	0	0
Transfer	..								

*Medical School, Reserves Account.*

<i>Receipts.</i>		£	s.	d.	<i>Expenditure.</i>		£	s.	d.
Balance, 1st January, 1899	..	3,338	17	10	Contribution towards salary of Professor of Biology	..	300	0	0
Rent of reserves	..	909	6	9	Contribution towards expenses of Registrar's office	..	10	0	0
Interest	..	131	18	8	Inspection of reserves	..	7	15	4
					Advertising	..	3	5	0
					Balance	..	3,459	2	11
		<u>£3,780</u>	<u>3</u>	<u>3</u>			<u>£3,780</u>	<u>3</u>	<u>3</u>

*Museum, Library, and School of Technical Science, Capital Account.*

<i>Receipts.</i>		£	s.	d.	<i>Expenditure.</i>		£	s.	d.
Balance, 1st January, 1899	..	21,242	17	2	Repayment under "The Canterbury College Powers Act, 1898," of a sum of £2,000 advanced by the Bank of New South Wales	..	2,000	0	0
					Share of indemnity to G. H. Saxton	..	301	8	10
					Balance	..	18,941	8	4
		<u>£21,242</u>	<u>17</u>	<u>2</u>			<u>£21,242</u>	<u>17</u>	<u>2</u>

