

1939.  
NEW ZEALAND.

---

# EDUCATION: HIGHER EDUCATION.

[In continuation of E.-7, 1938.]

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

## CONTENTS.

---

I. Detailed Tables :—	PAGE
M 1. Students on the Books of University Colleges .. .. .	2
M 2. Courses taken by Students .. .. .	2
M 3. Subjects taken by Students .. .. .	3
M 4. Scholarships, Bursaries, &c. .. .. .	4
M 5. Number of Successful Candidates for Degrees .. .. .	5
II. Reports and Accounts of the University of New Zealand and of the Constituent Colleges :—	
1. University of New Zealand .. .. .	6
2. Auckland University College .. .. .	10
3. Victoria University College .. .. .	16
4. Canterbury University College .. .. .	21
5. University of Otago .. .. .	27
III. Reports and Accounts of the New Zealand School of Agriculture :	
6. Council of School of Agriculture .. .. .	37
7. Massey Agricultural College .. .. .	39
8. Canterbury Agricultural College .. .. .	42

I. DETAILED TABLES.

TABLE M 1.—STUDENTS ON THE BOOKS OF UNIVERSITY COLLEGES, 1938.

	Auckland University College.			Victoria University College.			Canterbury University College.			Otago University.			Massey Agricultural College.			Canterbury Agricultural College.			Totals.			
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	
I. Students attending lectures—																						
Graduates .. .. .	62	36	92	66	20	86	52	28	80	80	31	111	7	..	7	6	..	6	273	169	442	
Undergraduates .. .	724	232	956	745	226	971	522	160	682	354	322	1,176	23	2	25	9	..	9	2,877	972	3,849	
Non-matriculated students .. .	44	22	66	24	14	38	231	48	279	43	33	79	318	33	351	90	..	90	750	153	903	
Totals .. .. .	830	314	1,144	835	260	1,095	805	236	1,041	977	330	1,368	948	35	983	105	..	105	3,900	1,234	5,134	
II. Exempted students—i.e., those not attending lectures.	157	39	196	172	41	213	88	24	112	43	9	52	..	..	..	..	..	..	460	113	573	
III. Grand totals, 1938 .. .	987	353	1,340	1,007	301	1,308	893	260	1,153	1,020	339	1,418	948	35	983	105	..	105	4,360	1,347	5,707	
Grand totals, 1937 .. .	924	323	1,247	915	246	1,161	370	281	1,151	1,096	355	1,451	..	..	..	..	..	..	3,805	1,205	5,010	
Difference .. .. .	+63	+30	+93	+92	-55	-147	-23	-21	+2	-76	-43	-33	..	..	..	..	..	..	-555	-142	-697	

\* In 1937 the total enrollments at Massey and Lincoln were 174 and 97 respectively, but these figures are not included in the totals for 1937.

TABLE M 2.—COURSES TAKEN BY STUDENTS IN 1938.

Course.	Auckland University College.			Victoria University College.			Canterbury University College.			Otago University.			Massey Agricultural College.			Canterbury Agricultural College.			Totals.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Agriculture .. .. .	7	1	8	6	..	6	5	..	5	10	..	10	948	5	953	105	..	105	481	6	487
Architecture .. .. .	47	4	51	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	47	..	47
Arts .. .. .	351	219	570	305	213	528	265	159	424	231	183	414	..	..	..	..	..	..	1,152	773	1,925
Commerce .. .. .	130	28	158	273	26	299	115	7	123	143	13	158	..	..	..	..	..	..	720	66	786
Dentistry .. .. .	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	127	..	127
Diploma of Education .. .	..	..	..	9	5	14	13	7	20	..	..	..	..	..	..	..	..	..	22	12	34
Engineering .. .. .	63	..	63	7	..	7	84	..	84	..	..	..	..	..	..	..	..	..	154	..	154
Home-science .. .. .	14	11	25	2	2	4	3	..	3	..	..	..	..	..	..	..	..	..	19	21	40
Journalism .. .. .	99	2	108	104	2	166	51	..	51	36	..	36	..	..	..	..	..	..	350	13	363
Law .. .. .	15	..	15	19	4	23	16	..	16	392	32	395	..	..	..	..	..	..	412	37	449
Massage .. .. .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Medicine .. .. .	11	30	41	..	..	..	10	0	10	35	..	38	..	..	..	..	..	..	38	38	76
Mining .. .. .	..	..	..	..	..	..	..	..	..	19	17	36	..	..	..	..	..	..	38	34	72
Music .. .. .	130	19	149	151	18	179	97	13	110	63	19	73	..	..	..	..	..	..	451	60	511
Science .. .. .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total number taking definite courses, 1938	918	329	1,238	955	271	1,226	951	263	864	1,024	330	1,414	948	35	983	105	..	105	4,011	1,210	5,230
Total number taking definite courses, 1937	931	323	1,254	904	236	1,140	797	205	912	1,106	363	1,469	..	..	..	..	..	..	3,648	1,127	4,775
Difference .. .. .	-13	-3	-16	-51	+35	-86	-46	-2	-48	-82	-27	-55	..	..	..	..	..	..	-363	-92	-455

\* In 1937 the total enrollments at Massey and Lincoln were 174 and 97 respectively.



TABLE M 4.—SCHOLARSHIPS, BURSARIES, EXHIBITIONS, AND STUDENTSHIPS HELD AT THE CONSTITUENT COLLEGES IN 1938.

Scholarships, &c.	Auckland University College.			Victoria University College.			Canterbury University College.			Otago University.			Massey Agricultural College.			Canterbury Agricultural College.			Totals.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
	Junior University Scholarships	10	..	10	2	..	2	6	3	9	6	4	10	..	..	..	..	..	..	24	7
University National Scholarships	11	5	16	4	1	5	7	7	14	19	7	26	..	..	..	..	..	..	41	20	61
Taranaki Scholarships	..	1	1	3	2	5	2	1	3	3	6	9	..	1	..	..	..	..	9	10	19
Senior University Scholarships	3	..	3	4	..	4	2	1	3	5	1	6	..	1	..	..	..	..	15	2	17
University National Bursaries	188	93	281	253	79	332	151	50	201	300	124	424	..	2	..	5	..	..	901	345	1,249
Native Scholarships	2	..	2	1*	..	1*	..	..	..	4	..	4	..	..	..	..	..	..	7	..	7
Agricultural Bursaries	3	..	3	1	..	1	..	..	..	3	..	3	..	..	..	4	..	..	26	..	26
Home-science Bursaries	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Architectural Bursaries	3	..	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Engineering Bursaries	..	..	..	..	..	..	9	..	9	..	..	..	..	..	..	..	..	..	12	..	12
Fine Arts Bursaries	..	..	..	4	..	..	5	7	12	..	..	..	..	..	..	..	..	..	5	7	12
War Bursaries	5	..	5	6	4	10	11	4	20	27	11	38	..	..	..	9	..	..	11	6	17
Other scholarships and exhibitions	..	5	5	6	4	10	11	9	26	38	11	38	..	..	3	9	..	..	59	29	88
Training-college Studentships	142	84	226	75	98	173	93	65	158	78	65	143	..	..	..	..	..	..	388	312	700
Totals, 1938	369	188	557	353	185	538	288	147	435	448	254	702	..	2	26	18	..	..	1,500	776	2,276
Totals, 1937	340	173	513	320	135	455	285	138	423	408	203	611	..	..	4	..	..	4	1,353	651	2,004
Difference..	+29	+15	+42	+33	+50	+83	+3	+9	+12	+40	+51	+91	..	..	..	..	..	..	+147	+125	+272

\* Cancelled during year. † In 1937 there were *inter alia* thirteen and three Agricultural Bursars at Massey and Lincoln respectively.

TABLE M 5. --NUMBER OF SUCCESSFUL CANDIDATES AT THE EXAMINATIONS FOR DEGREES IN 1938  
(Total number of entrants for all examinations 9,672, of whom 1,652 were absent.)

Degrees, &c.	Auckland University College.			Victoria University College.			Canterbury University College.			Otago University.			Totals.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Doctor of Science .. .. .	..	..	..	..	..	..	..	..	..	1	..	1	1	..	1
Doctor of Medicine .. .. .	..	..	..	..	..	..	..	..	..	4	..	4	4	..	4
Master of Surgery .. .. .	..	..	..	..	..	..	..	..	..	2	..	2	2	..	2
Honours in Arts .. .. .	2	2	4	3	3	6	6	3	9	7	2	9	18	10	28
Master of Arts .. .. .	2	1	3	4	1	5	6	3	9	5	3	8	17	8	25
Honours in Science .. .. .	3	..	3	3	..	3	3	..	3	3	2	5	12	2	14
Master of Science .. .. .	1	..	1	3	..	3	3	..	3	..	..	..	7	..	7
Honours in Law .. .. .	2	..	2	2	..	2	2	..	2	..	..	..	6	..	6
Master of Laws .. .. .	1	..	1	4	..	4	..	..	..	2	..	2	7	..	7
Honours in Commerce .. .. .	..	..	..	..	..	..	3	..	3	1	..	1	4	..	4
Master of Commerce .. .. .	1	..	1	1	..	1	1	..	1	2	..	2	5	..	5
Honours in Agriculture .. .. .	..	..	..	*2	..	*2	†4	..	†4	..	..	..	6	..	6
Bachelor of—															
Arts .. .. .	31	19	50	19	15	34	16	17	33	10	12	22	76	63	139
Science .. .. .	16	3	19	7	3	10	10	2	12	16	2	18	49	10	59
Medicine and Surgery .. .. .	..	..	..	..	..	..	..	..	..	65	3	68	65	3	68
Dental Surgery .. .. .	..	..	..	..	..	..	..	..	..	17	..	17	17	..	17
Laws .. .. .	16	4	20	13	..	13	3	2	5	6	..	6	38	6	44
Commerce .. .. .	9	..	9	28	2	30	8	1	9	3	..	3	48	3	51
Engineering (Civil) .. .. .	..	..	..	..	..	..	14	..	14	..	..	..	14	..	14
Engineering (Mechanical) .. .. .	..	..	..	..	..	..	1	..	1	..	..	..	1	..	1
Engineering (Electrical, Mech.) .. .. .	..	..	..	..	..	..	4	..	4	..	..	..	4	..	4
Engineering (Electrical, Civil) .. .. .	..	..	..	..	..	..	2	..	2	..	..	..	2	..	2
Home-science .. .. .	..	..	..	..	..	..	..	..	..	10	10	..	10	..	10
Agricultural Science .. .. .	..	..	..	*3	..	*3	†2	..	†2	..	..	..	5	..	5
Music .. .. .	..	1	1	..	1	1	..	..	..	..	1	1	..	3	3
Senior University Scholarships .. .. .	6	4	10	1	2	3	‡4	§3	7	3	1	4	14	10	24
John Tinline Scholarships .. .. .	..	..	..	1	..	1	..	1	1	..	..	..	1	1	2
Totals, 1938 .. .. .	90	34	124	94	27	121	92	32	124	147	36	183	423	129	552
Totals, 1937 .. .. .	85	36	121	133	27	160	117	39	156	159	38	197	494	140	634
Difference .. .. .	+5	-2	+3	-39	..	-39	-25	-7	-32	-12	-2	-14	-71	-11	-82

\* Massey Agricultural College. † Canterbury Agricultural College. ‡ One at Canterbury Agricultural College. § One scholarship awarded without enrolment.

In addition to these successes, 2 passed for Diploma of Honours, 3,842 candidates passed sections of the examinations for degrees or for admission to professions; 228 gained certificates of proficiency. There were 271 candidates (including bursary candidates) for the Entrance Scholarship Examination, 34\* gaining scholarships, 78† others passing the examination with credit, and 24 qualifying for matriculation. The number of candidates for the University Entrance examination was 4,925, of whom 2,453 passed the examination.

\* Two declined scholarships, and two were not competitors.

† Five of these were awarded Taranaki Scholarships.

## II. REPORTS AND ACCOUNTS OF THE UNIVERSITY OF NEW ZEALAND AND OF CONSTITUENT COLLEGES.

### I. REPORT ON THE UNIVERSITY OF NEW ZEALAND, 1938.

*Visitor.*—His Excellency the Governor-General.

*Chancellor.*—Josiah Alfred Hanan, M.L.C., Hon. D.C.L. (Durham).

*Vice-Chancellor.*—Thomas A. Hunter, M.A., M.Sc.

#### *The Senate.*

Appointed by the Governor-General—H. F. Von Haast, Esq., M.A., LL.B.; J. A. Valentine, Esq., B.A.; L. J. Wild, Esq., M.A., B.Sc.; J. C. H. Somerville, Esq.

Appointed by Councils of Constituent Colleges—H. D. Acland, Esq., B.A.; T. D. M. Stout, Esq., D.S.O., O.B.E., M.D., F.R.C.S., M.S.; K. Mackenzie, Esq., M.D. (Edin.), F.R.C.S.; P. Levi, Esq., M.A.; W. J. Morrell, Esq., M.A.; L. D. Ritchie, Esq.; Col. Hon. G. J. Smith, C.B.E., M.L.C.

Elected by District Courts of Convocation—F. A. De La Mare, Esq., B.A., LL.B.; G. W. Von Zedlitz, Esq., M.A.; W. Newlands, Esq., M.A., B.Sc., M.B., Ch.B., &c.; T. U. Wells, Esq., M.A.; A. E. Flower, Esq., M.A., M.Sc.

The Director of Education—N. T. Lambourne, Esq., L.S.O., M.A.

Appointed by the Senate—W. P. Evans, Esq., M.A., Ph.D.; T. A. Hunter, Esq., M.A., M.Sc.

Appointed by the Academic Board—J. R. Brown, Esq., M.A., Hon. LL.D., F.N.Z.I.A.; James Hight, Esq., C.M.G., M.A., Litt.D., F.R.E.S.; H. G. Denham, Esq., M.A., D.Sc., Ph.D.

*Registrar.*—I. F. McKenzie, Esq., M.A., B.Com., A.R.A.

### REPORT OF THE SENATE.

IN compliance with section 22 of the New Zealand University Act, 1926, the following report is presented to the Hon. the Minister of Education as to the proceedings of the University during the past year.

The Entrance Board met on Tuesday, 23rd August, 1938. The Board dealt with amendments to prescriptions, particularly in the subjects arithmetic and geography. The Board sent up, and the Senate later approved, a scheme for introducing agrotat passes in the Entrance Examination.

The Academic Board met on Wednesday, 26th October, 1938. Changes in various prescriptions were dealt with, especially in regard to education and geography. A revised course for the Degree of Bachelor of Commerce was submitted to the Senate, but was not accepted. The Board approved a recommendation that the examinations at Stage I, B.A., and B.Sc., be in future handed over, with certain provisos, to the Professorial Boards in the colleges. The Otago representatives were constituted a committee to draw up a detailed scheme for the change. A special committee was also set up to consider and report upon the matter of a course in physical education. The Board nominated to the Senate the panel of examiners for 1939.

The Senate met in the Provincial Council Chambers, Christchurch, on Thursday, 2nd February, 1939, when the Chancellor, Dr. the Hon. J. A. Hanan, delivered an address, and welcomed the new members of Senate, Mrs. W. N. Benson and Mr. A. H. Johnstone. The Chancellor also made reference to the loss of the valued services of Mr. T. U. Wells.

The Senate again considered the position as to the small financial margin within which the withdrawal for some years of the Government grant had forced it to work. In view of the position, and the fact that certain "cuts" in examiners' fees, scholarships, &c., were still not restored, it was resolved that the Hon. the Minister of Education be asked to approve a statute authorizing an increase of 2s. in each half guinea in all examination fees other than those for the Entrance Examinations.

Admission *ad eundem statum* as matriculated students was approved in sixteen cases, and *ad eundem gradum* in six.

The Senate received a deputation from the churches in the matter of degress in theology. After debate it was resolved that the Executive Committee be empowered to confer with the representatives of the churches and to act in the matter of approaching the Minister of Education with a view to obtaining the necessary amendment of the University Act.

Of eighteen bills submitted to the Senate, eleven were passed as presented, four were passed after amendment, and three were referred back for further consideration.

On the report of a special committee the Senate adopted recommendations that the Diploma in Fine Arts be no longer granted by the University, and that it be suggested that the Department of Education consider how such qualification might best be governed in the future.

The Senate adjourned, to meet next in Wellington on Thursday, 11th January, 1940.

STATEMENT OF ACCOUNTS OF THE UNIVERSITY OF NEW ZEALAND FOR THE YEAR ENDED  
31st MARCH, 1939.

## GENERAL ACCOUNT.

## STATEMENT OF RECEIPTS AND PAYMENTS.

<i>Receipts.</i>		<i>Payments.</i>	
	£ s. d.		£ s. d.
Balance, 31st March, 1938—			
Post Office Savings-bank ..	1,458 16 6	Administration expenses—	
Petty cash .. .. .	40 0 0	Office salaries .. .. .	3,431 18 0
English agency .. .. .	14 10 1	Clerical assistance .. .. .	345 17 9
Bank of New Zealand .. ..	151 19 4	Rent, light, cleaning, &c. ..	491 7 1
	1,665 5 11	Senate expenses .. .. .	287 17 1
Government grants: National		Academic Board expenses ..	300 8 0
Endowment .. .. .	4,844 0 0	Entrance Board expenses ..	52 11 0
Admission <i>ad eundem</i> .. ..	48 6 0	Executive Committee expenses ..	231 2 3
Certificates .. .. .	431 1 0	Finance Committee expenses ..	13 7 6
Medical and dental registration ..	320 5 0	Results Committee expenses ..	41 16 6
Provisional matriculation .. ..	204 14 6	Rhodes Scholarship Committee	
Late matriculating .. .. .	28 7 0	expenses .. .. .	75 0 5
Degree fees—		Conference of Vice-Chancellors	
B.A. .. .. .	420 0 0	(Melbourne) expenses .. ..	47 19 9
B.Sc. .. .. .	165 18 0	Conference of Professors expenses ..	47 13 10
B.H.Sc. .. .. .	10 10 0	Convocation expenses .. ..	54 18 2
B.E. .. .. .	136 10 0	Physical Education Committee	
B.Agr.Sc. .. .. .	83 18 6	expenses .. .. .	30 3 4
L.L.B. .. .. .	288 15 0		5,452 0 8
B.Com. .. .. .	136 10 0	Examination expenses—	
M.B., Ch.B. .. .. .	657 6 0	November—	
Ch.M. .. .. .	15 15 0	Examiners .. .. .	7,654 17 7
B.D.S. .. .. .	99 15 0	Supervision .. .. .	2,955 12 1
Mus.B. .. .. .	21 0 0	Printing .. .. .	2,036 9 5
M.A. .. .. .	286 13 0		12,646 19 1
M.Com. .. .. .	75 12 0	December—	
M.Sc. .. .. .	157 10 0	Examiners .. .. .	3,079 6 7
B.Arch. .. .. .	57 15 0	Supervision .. .. .	2,460 1 5
M.Agr.Sc. .. .. .	18 18 0	Printing .. .. .	504 9 6
D.Sc. .. .. .	15 15 0		6,043 17 6
L.L.M. .. .. .	88 4 0	Dental—	
M.D. .. .. .	78 15 0	Examiners .. .. .	1,111 1 10
Diplomas .. .. .	52 10 0	Supervision .. .. .	37 2 0
C.O.P. Dental .. .. .	5 5 0	Printing .. .. .	73 6 0
M.H.Sc. .. .. .	3 3 0		1,221 9 10
Dip.Music .. .. .	5 5 0	Medical—	
D.P.H. .. .. .	6 6 0	Examiners .. .. .	2,184 11 6
	2,887 8 6	Supervision .. .. .	37 11 5
Examination fees—		Printing .. .. .	101 2 5
D.Sc. .. .. .	15 15 0		2,323 5 4
M.D. .. .. .	69 11 0	National endowment—	
Ch.M. .. .. .	42 0 0	Auckland .. .. .	1,211 7 9
M.A. .. .. .	295 8 0	Victoria .. .. .	1,209 16 9
M.Sc. .. .. .	107 15 0	Canterbury .. .. .	1,211 7 9
M.Com. .. .. .	43 11 0	Otago .. .. .	1,211 7 9
M.Agr.Sc. .. .. .	22 6 0		4,844 0 0
L.L.M. .. .. .	73 14 6	Grant for lecture tour .. ..	25 0 0
Senior Scholarship in Law .. ..	3 3 0	Office furniture .. .. .	40 7 6
B.A. .. .. .	3,864 11 6	Examination furniture and material ..	157 12 6
Pre-requisites for M.A. .. ..	20 4 0	Postages .. .. .	284 2 2
Pre-requisites for M.Sc. .. ..	9 9 0	Printing and stationery .. ..	1,714 4 4
Pre-requisites for M.H.Sc. .. ..	1 1 0	Miscellaneous—	
Certificate of Proficiency .. ..	169 6 0	Exchange .. .. .	800 16 2
B.Sc. .. .. .	1,205 11 6	Bank charges .. .. .	1 0 0
B.E. .. .. .	493 10 0	Sundries .. .. .	138 8 6
L.L.B. and Law Prof. .. ..	840 2 0	Fidelity insurance .. .. .	18 15 0
B.Com. and Acct. Prof. .. ..	9,195 18 6	Diplomas .. .. .	39 9 3
Mus.B. .. .. .	213 17 6	Telephone and private-box rentals ..	47 9 0
Diplomas Education and Journal- ism .. .. .	179 5 0	Audit fee .. .. .	47 2 9
B.Agr.Sc. .. .. .	239 8 0	Office stationery .. .. .	157 2 4
M.B., Ch.B. .. .. .	2,495 16 0	Receipt stamps .. .. .	157 0 0
B.D.S. and C.O.P. .. .. .	412 17 0		1,407 3 0
B.H.Sc. .. .. .	153 11 0	Advance to Ordinary Scholarship	
Architecture .. .. .	423 1 0	Account .. .. .	481 7 5
Diploma in Fine Arts .. ..	115 10 0	Transfer to Ordinary Scholarship	
D.P.H. .. .. .	16 16 0	Revenue Account .. .. .	1,818 12 7
Insurance .. .. .	132 3 6	English agency—	
Banking .. .. .	266 0 6	Examiners .. .. .	1,192 19 5
Entrance .. .. .	10,542 16 0	Printing examination-papers ..	345 19 9
Entrance Scholarship .. .. .	278 15 6	University Bureau .. .. .	50 0 0
School Certificate .. .. .	415 7 3	Salaries .. .. .	422 10 0
Fees paid in advance .. .. .	52 15 0	Examination cables .. .. .	6 9 2
	32,410 16 3	Rent .. .. .	60 0 0
	£ s. d.	Sundries .. .. .	47 2 3
Less fees paid in 1937 .. .. .	41 9 6	Advance on behalf Auckland	
Less refunds and over- paid fees .. .. .	296 6 6	University College .. .. .	40 0 0
	337 16 0		2,135 0 7
	32,073 0 3	Adult education grants .. ..	2,450 3 6







## 2. AUCKLAND UNIVERSITY COLLEGE.

*Visitor.*—The Hon. the Minister of Education.

*Members of Council.*

*President.*—W. H. Cocker, Esq., M.A., LL.B., (Cantab.), B.A., LL.B.

*Vice-President.*—A. H. Johnstone, Esq., K.C., B.A., LL.B.

Appointed by the Governor-General—George Grey Campbell, Esq.; A. H. Johnstone, Esq., K.C., B.A., LL.B.; H. G. Cousins, Esq., M.A.

Appointed by the Professorial Board—Professor W. A. Sewell, B.A., B.Litt. (Oxon.), B.A. (Leeds); Professor M. Walker, M.A., B.Com.

Elected by members of the Legislature—S. Leatham, Esq., M.A.; Hon. B. Martin, M.L.C.; D. M. Rae, Esq., M.A., F.R.Hist.S.

Elected by Graduates—W. H. Cocker, Esq., M.A., LL.B. (Cantab.), B.A., LL.B.; T. U. Wells, Esq., M.A.; A. K. Turner, Esq., M.A., LL.B.; G. D. Robb, Esq., M.D., F.R.C.S., L.R.C.P.

Appointed by the Auckland City Council—G. G. Grant, Esq.

Appointed by the Auckland Education Board—Hon. Archibald Burns, M.L.C.

STAFF.

*Professors.*—Classics—C. G. Cooper, M.A. English—W. A. Sewell, B.A., B.Litt. (Oxon.), B.A. (Leeds). Modern Languages—Maxwell Walker, M.A., B.Com. Mathematics—H. G. Forder, B.A. Chemistry—F. P. Worley, M.A., D.Sc., M.Sc., D.I.C. Physics—P. W. Burbidge, B.A. M.Sc., Res. Botany (Lecturer-in-charge) T. L. Lancaster, M.Sc. F.L.S. Zoology—(Lecturer-in-charge) W. R. McGregor, B.Sc. History—James Rutherford, M.A., Ph.D. Economics—H. Belshaw, M.A., Ph.D., F.R.S., F.S.S. Philosophy—William Anderson, M.A. Music—H. Hollinrake, M.A., Mus.Bach. Education—A. B. Fitt, M.A., Ph.D. Architecture—C. R. Knight, M.A., B.Arch., A.R.I.B.A., A.N.Z.I.A. Engineering—S. E. Lamb, B.Sc., A.R.C.Sc.(Lond.), A.M.I.M.E., M.N.Z.Soc.C.E. Geology—J. A. Bartrum, M.Sc., A.O.S.M., F.N.Z.Inst., F.G.S.

*Registrar.*—L. O. Desborough, B.Com.

Lecturers, thirty-one.

REPORT.

In pursuance of the provisions of the Auckland University College Act, 1882, the Council has the honour to make the following report for the year 1938 :—

*Council.*—After having served as a member of Council for the past twenty-eight years and as its President since 1937, Mr. H. J. D. Mahon died in March, 1938, the Council placing on record its profound sense of the loss which the College suffered by his death. Mr. W. H. Cocker was elected President in his place, and Mr. G. D. Robb was elected as the graduates' new representative on Council. Mr. S. Leatham replaced Sir Henry Horton as the representative of the members of the General Assembly.

*Staff.*—Professor Sir A. P. W. Thomas, Professor Emeritus of the College, died in January, 1938. As foundation Professor of Biology and Geology from 1883 to 1913, as member of the College Council from 1919 to 1925 and representative of the Council on Senate from 1921 to 1933, he had served the College almost continuously since its inception, and the Council placed on record its deep sense of loss not only to the College, but to educational organizations throughout the Dominion.

In November two appointments were made to take effect from the beginning of 1939. Professor Julius Stone was appointed to the Chair of Law and Mr. L. W. A. Crawley was appointed Lecturer in Classics.

*Buildings.*—The year 1938 saw the completion of the new Biology Block, the foundation-stone of which was laid by the Minister of Education in December, 1937. The building, which is to house the departments of botany and zoology, will be opened by the Minister in February, 1939.

*Workers' Educational Association.*—Enrolments totalled 1,643, as against 1,417 in 1937. The increase was shown in both city and country students. Ten regular city tutorial classes were held, and in addition two courses for women—one in the morning and one in the evening—were conducted. The morning class was particularly successful. Several public lectures on matters of current interest were held, and these were very well attended.

With the appointment of a Tutor-Organizer for the country work, this part of the W.E.A. activities has enlarged very considerably, the number of country groups increasing, and short lecture courses being given in nine towns in addition to a number of single lectures and lectures to organizations such as the Farmer's Union, Women's Division of the Farmers' Union, Women's Institutes, Labour Party branches, &c. Considerable attention has been given to public-works camps.

In addition to the lecture courses, a number of student activities have flourished in the form of clubs covering the fields of natural history, drama, music, physical education, discussions, &c. A student's club has been formed that embraces a number of activities of a cultural nature.

## STATEMENT OF ACCOUNTS FOR THE YEAR ENDED 31st DECEMBER, 1938.

## ARTS AND GENERAL.

## STATEMENT OF RECEIPTS AND PAYMENTS.

Receipts.				Payments.					
	£	s.	d.	£	s.	d.	£	s.	d.
Government grants—									
General .. .. .	16,554	16	0						
National endowment .. .. .	2,422	0	0						
				18,976	16	0			
New Biology Block .. .. .	28,566	16	5						
Furniture, fittings, and equipment	211	5	11						
				28,778	2	4			
Workers' Educational Association				1,145	16	8			
University of New Zealand—									
National endowment .. .. .	1,209	16	9						
Less share to Workers' Educational Association .. .. .	250	0	0						
				959	16	9			
Donations—									
Carnegie Corporation of New York:									
Library .. .. .	1,229	3	2						
Sundries .. .. .	15	2	0						
University extension lectures .. .. .	52	18	4						
				1,297	3	6			
Endowment revenue—									
Rents from properties .. .. .									
Current .. .. .	91	3	4						
Arrears .. .. .	540	2	8						
In advance .. .. .	8	6	9						
				639	12	9			
Education reserves .. .. .				564	12	2			
Interest on debentures—									
Endowment sales investment .. .. .	447	15	2						
Endowment royalties investment	67	18	8						
				515	13	10			
Endowment royalties .. .. .				145	4	7			
Engineering Building Reserve Fund				181	17	6			
Depreciation and Endowment Fund				100	0	0			
General Endowment Fund .. .. .				100	0	0			
Student fees—									
Current and in advance .. .. .	14,027	13	8						
Arrears and re-payments .. .. .	100	7	0						
	14,128	0	8						
Less special schools .. .. .	1,813	7	0						
	12,314	13	8						
Less refunds .. .. .	202	1	0						
				12,112	12	8			
Exemption and annual examination fees .. .. .	533	15	1						
Less refunds .. .. .	44	19	7						
				488	15	6			
Laboratory deposits .. .. .				92	10	5			
Fines .. .. .				29	3	9			
Sale of books .. .. .				8	11	11			
Sale of physics notes .. .. .				10	15	0			
Sale of duplicated notes .. .. .				199	5	6			
Interest—									
Depreciation and Endowment Fund	250	14	0						
General Endowment Fund .. .. .	375	0	1						
Mennie Bequest: School of Commerce .. .. .	200	8	7						
				826	2	8			
Hire of rooms .. .. .				165	4	0			
Rebate: Staff insurance .. .. .				16	1	11			
Swanson Hut funds .. .. .				1	2	9			
Sale of—									
Office equipment .. .. .				5	0	0			
Science equipment .. .. .				10	0	0			
Administration—									
School of Engineering .. .. .	50	0	0						
School of Architecture .. .. .	50	0	0						
School of Music .. .. .	25	0	0						
Medical Library .. .. .	50	0	0						
				175	0	0			
Journalism Prize .. .. .	6	14	0						
Fowlds Memorial .. .. .	10	0	0						
Gardening ( <i>contra</i> ) .. .. .	29	10	0						
Commerce Scholarship .. .. .	20	0	0						
Sir George Grey Scholarship .. .. .	50	0	0						
Kirby Suspense .. .. .	90	17	9						
Gumson Suspense .. .. .	1,426	15	0						
Insurance claim .. .. .	163	7	0						
				1,797	3	9			
Balance, 31st December, 1938 .. .. .				3,938	11	4			
Balance, 1st January, 1938 .. .. .							5,454	18	2
Salaries—									
Teaching staff .. .. .	29,567	2	6						
Less special schools .. .. .	5,798	1	2						
				23,769	1	4			
Office .. .. .	1,187	5	0						
Cleaning and caretaking .. .. .	1,076	10	1						
Library .. .. .	778	9	0						
Gardener .. .. .	273	0	0						
				27,084	5	5			
Office expenses .. .. .							12	1	10
Property expenses .. .. .							93	17	1
Printing calendars .. .. .							112	6	9
Stationery and advertising .. .. .	135	3	6						
Less refunds .. .. .	0	5	0						
							134	18	6
Telephones, postage, and exchange	331	17	10						
Less refunds .. .. .	3	17	9						
							328	0	1
Insurance .. .. .							121	9	11
Water .. .. .							68	10	0
Lighting .. .. .	400	18	2						
Less refunds .. .. .	4	14	0						
							396	4	2
Heating .. .. .							159	11	7
Travelling .. .. .	21	1	8						
Less refunds .. .. .	10	15	10						
							10	5	10
Material for lectures—									
Botany .. .. .	127	8	10						
Zoology .. .. .	331	17	5						
Chemistry .. .. .	399	9	6						
Geology .. .. .	72	15	6						
Physics .. .. .	528	7	5						
Other departments .. .. .	26	12	6						
				1,486	11	2			
Less refunds .. .. .				20	7	6			
Apparatus—									
Botany .. .. .	18	0	0				1,466	3	8
Zoology .. .. .	11	10	0						
Chemistry .. .. .	162	8	6						
Geology .. .. .	20	0	0						
Physics .. .. .	101	10	0						
							313	8	6
Arts Building furniture .. .. .	70	2	0						
Student Building .. .. .	82	10	0						
Office equipment .. .. .	30	0	0						
							182	12	0
Biology Block .. .. .	28,583	19	11						
Less refund .. .. .	17	3	6						
				28,566	16	5			
Biology Block furniture and fittings	178	12	11						
Special equipment: Botany .. .. .	52	0	0						
Old Science Building: Alterations	463	0	0						
							693	12	11
Library—									
Books .. .. .	477	13	10						
Less refunds .. .. .	14	2	4						
				463	11	6			
Periodicals .. .. .	340	4	1						
Less refunds .. .. .	1	17	6						
				338	6	7			
Maintenance .. .. .	254	1	5						
Less refunds .. .. .	0	16	0						
				253	5	5			
Carnegie Library expenditure .. .. .							1,055	3	6
Repairs .. .. .							1,194	18	0
Cleaning-material .. .. .	170	16	2				435	13	8
Less refunds .. .. .	9	9	0						
							161	7	2
Grounds maintenance .. .. .							21	2	10
Duplicating-material .. .. .							203	16	4
General and legal expenses .. .. .							61	14	8
Unauthorized expenditure—									
Wreaths .. .. .	3	3	0						
Function, laying foundation-stone, Biology Block .. .. .	13	9	10						
Dinner, Academic Board .. .. .	8	17	0						
							25	9	10
Audit expenses .. .. .							50	12	6
Annual examination expenses .. .. .							136	8	9
Appointments to staff .. .. .	47	9	10						
Less refund .. .. .	0	15	0						
							46	14	10
Interest, commission, brokerage .. .. .							111	7	9
Graduation .. .. .							42	9	4









## 3. VICTORIA UNIVERSITY COLLEGE.

*Visitor*.—The Hon. the Minister of Education.

*Members of Council.*

*Chairman*.—P. Levi, Esq., M.A.

Appointed by Governor-General—D. M. Stout, Esq., O.B.E., D.S.O., M.D., F.R.C.S.; T. Forsyth, Esq.

Elected by Court of Convocation—P. Levi, Esq., M.A.; The Hon. Sir Hubert. H. Ostler, LL.B.; S. Eichelbaum, Esq., M.A., LL.B.; and H. F. O'Leary, Esq., K.C., LL.B.

Elected by teachers in primary schools—H. A. Parkinson, Esq., M.A.; F. L. Combs, Esq., M.A.

Elected by Members of Education Boards—The Hon. W. H. McIntyre, M.L.C.; M. H. Oram, Esq., M.A., LL.B.

Appointed by Wellington City Council—H. A. R. Huggins, Esq.

Elected by teachers in secondary schools and technical high schools—T. R. Crosswell, Esq., M.A. (resigned 31/12/38).

Elected by governing bodies of secondary schools—W. H. P. Barber, Esq.

Representatives of the Professorial Board—Professor T. A. Hunter, M.A., M.Sc. (Principal) *ex officio*; Professor F. F. Miles, M.A., F.N.Z.I.A.

Appointed by the Executive of the Students' Association—R. S. V. Simpson, Esq., LL.B.

*Staff.*

*Principal*.—Professor T. A. Hunter, M.A., M.Sc.

*Professors*.—Classics—J. Rankine Brown, M.A. (St. Andrews and Oxford), Hon.LL.D. (St. Andrews), F.N.Z.I.A. English—I. A. Gordon, M.A., Ph.D. (Edin.). Modern Languages—E. J. Boyd-Wilson, M.A., B.Sc. (N.Z.), B.A. (Camb.). Philosophy—T. A. Hunter, M.A., M.Sc. (N.Z.). History—F. L. W. Wood, B.A. (Sydney), M.A. (Oxon.). Economics—B. E. Murphy, M.A., LL.B., B.Com. (N.Z.), F.E.S., F.S.S. (Dean of Commerce Faculty). Education—W. H. Gould, M.A. (N.Z.), (Dean of Arts Faculty). Mathematics—F. F. Miles, M.A. (N.Z.), M.A. (Oxon.), Dip.Ed. (Chairman, Professorial Board). Biology—H. B. Kirk, M.A. (N.Z.), F.R.S.N.Z. Physics—D. C. H. Florance, M.A., M.Sc. (N.Z.). Chemistry—P. W. Robertson, M.A., M.Sc. (N.Z.), M.A. (Oxford), Ph.D. (Leipzig), (Dean of Science Faculty). Geology—C. A. Cotton, D.Sc. (N.Z.), A.O.S.M., F.G.S., F.R.S.N.Z. Law—J. Adamson, M.A., LL.B. (Edin.), (Dean of Law Faculty); J. Williams, LL.M. (N.Z.), Ph.D. (Cantab.). Political Science—L. M. Lipson, B.A. (Oxford), Ph.D. (Chicago).

*Registrar*—G. G. S. Robison, M.A. (N.Z.). *Librarian*—H. G. Miller, M.A. (N.Z.).

Lecturers, sixteen.

REPORT. (EXTRACTS.)

THE Victoria University College Council presents the following report for the year 1938:—

As the records show, the year was a successful one, though the work was made more difficult by the limited accommodation. The fact that the new Biology Building has not been completed in contract time means that 1939 will have special difficulties. The completion of the Administration Building gave some relief, but it is now clear that by the time the new buildings are in use we shall again be faced with the problem of accommodation. Particularly is this true in regard to the needs of the rapidly growing body of students who have to organize their clubs and other activities under very serious disabilities. There are now over one thousand students, and the accommodation for them consists of one large common-room for women and one small common-room for men. The gymnasium, built over thirty years ago when the student body numbered fewer than four hundred, has served its day. Its structure is such that it can be used for less than half the student body. The provision of a Student Union Building is long overdue and has now become an urgent necessity. In this respect Victoria University College is far behind the other University colleges and the technical colleges of the main centres. Even the present small space in the main building now used by students is greatly needed for library and other purposes.

The yearly increase in the Government grant approved by the Minister in accordance with the five-year plan submitted by the University Conference has enabled the College to increase the number of the junior staff as well as provide some advances in salary. The relief has been very welcome, but, with a good many classes of over one hundred each, much more is necessary to ensure even the minimum considered necessary by almost all teaching institutions.

*Staff*.—During the year the following new appointments were made: Principal—T. A. Hunter, M.A., M.Sc. Professor of Political Science—L. M. Lipson, B.A. (Oxford), Ph.D. (Chicago). Lecturer in Philosophy—L. S. Hearnshaw, M.A. (Oxford), B.A. (London). Lecturer in Economics—J. O. Shearer, M.A. Lecturer in Education—C. L. Bailey, M.A., *vice* A. E. Campbell, M.A., resigned. Lecturer in Accountancy Law—H. R. C. Wild, LL.M., *vice* Dr. Foden, resigned.

*Tutorial Classes Committee*.—The following are extracts from the annual report of the Tutorial Classes Committee:—

“During the present session, for the first time in its history, the Association has had two full-time Tutor-Organizers in the field. Early in the year Mr. P. Martin-Smith, M.A., LL.B., resigned his position as Tutor-Organizer in order to take up the post of Director of the Workers' Educational Association in the Auckland District, and he was replaced by Mr. A. S. Hely, who had already been appointed as an additional Tutor-Organizer. Mr. G. J. Garner, M.A., was then appointed to the position which it had originally been intended that Mr. Hely should fill.

“Enrolments for the district have totalled 1,854 (classes, 868; discussion-course groups, 851; box circles, 135), as compared with 2,148 last year (classes, 964; discussion-course groups, 826; box circles, 325). In comparing the totals it should be noted that last year's city and suburban programme included thirteen short courses for which 533 students enrolled, whereas during the present session there were in the city and suburbs only three short courses with 83 enrolments. Hence the decline in enrolments is largely the result of the Committee's policy of reverting to longer courses, and is not an indication of diminishing activity. There has, it is true, been a sharp falling-off in the figures for box circles, but this is more than offset by increased enrolments in country classes and in discussion-course groups. The work has been carried on through funds provided by the Government, by the University from the National Endowment Fund, and by the Carnegie Corporation.





GENERAL ACCOUNT—*continued.*  
STATEMENT OF INCOME AND EXPENDITURE.

<i>Expenditure.</i>	£	s.	d.	<i>Income.</i>	£	s.	d.
Advertising .. .. .	50	17	0	Sale of calendars .. .. .	31	1	3
Biology .. .. .	579	10	2	Examination fees .. .. .	843	10	6
Calendars .. .. .	161	13	8	Fees .. .. .	13,153	16	6
Chemistry .. .. .	310	8	6	Government grant .. .. .	17,252	0	0
Cleaning and general .. .. .	101	11	0	Payment from Students' Association .. .. .	20	0	0
Contingencies .. .. .	158	9	2	National-endowment grant .. .. .	3,381	16	9
Examination expenses .. .. .	146	19	11	Interest .. .. .	52	10	0
Geology .. .. .	3	1	1	T. G. Macarthy Account: Interest .. .. .	370	16	3
Grounds .. .. .	5	7	9	Sale of notes .. .. .	155	14	6
Heat and light .. .. .	690	16	5	Rent of reserves .. .. .	35	1	0
Insurance .. .. .	161	7	7	Interest, School of Economics Account .. .. .	144	10	0
Legal expenses .. .. .	9	1	6	Rent of garage .. .. .	4	0	0
Special grant: Library .. .. .	28	10	0				
Library salaries .. .. .	1,138	15	0				
Maintenance .. .. .	158	0	0				
Office expenses .. .. .	296	12	7				
Office salaries .. .. .	1,698	6	3				
Physics .. .. .	550	16	9				
Printing and stationery .. .. .	173	12	7				
Psychology .. .. .	75	3	2				
Salaries .. .. .	24,674	7	2				
Telephone .. .. .	112	1	8				
Travelling-expenses .. .. .	532	9	6				
Water .. .. .	67	7	0				
Grant to Students' Association .. .. .	73	9	3				
Hire of films .. .. .	5	10	0				
Balance .. .. .	3,480	12	1				
	£35,444	16	9		£35,444	16	9

BALANCE-SHEET AS AT 31ST DECEMBER, 1938.

<i>Liabilities.</i>	£	s.	d.	<i>Assets.</i>	£	s.	d.
Scholarships Funds Accounts, &c. .. .. .	68,954	6	8	General Funds—			
Weir House Capital Account and liabilities .. .. .	47,757	3	5	Cash at Bank of New Zealand .. .. .	1,171	8	10
Carnegie grant for Workers' Educational Association Library .. .. .	167	6	0	Cash at Post Office Savings-bank—			
Less balance, Income and Expenditure Account .. .. .	8	7	4	General Account .. .. .	5,778	4	9
	158	18	8	Subsidy Account .. .. .	196	14	9
A. D. Crawford Account: Received from trustees .. .. .	5,000	0	0		7,146	8	4
Plus balance, Income and Expenditure Account .. .. .	48	12	10	Less—			
	5,048	12	10	Workers' Educational Association tutorial classes, £579 12s. 11d.; S. A. Rhodes Account, £49 17s. 10d.; T. G. Macarthy Account, 11s. 4d. .. .. .	630	2	1
Fees in advance .. .. .	3	3	0		6,516	6	3
Fees overpaid .. .. .	0	10	0	Plus due from Carnegie Library Account .. .. .	27	3	1
Sundry creditors .. .. .	149	15	0		6,543	9	4
	112,129	2	5	Trust Funds: Cash at Bank of New Zealand .. .. .	1,353	5	5
Accumulated Fund .. .. .	112,129	2	5	Cash at Post Office Savings-bank .. .. .	5,389	10	8
Less depreciation .. .. .	2,551	16	2	Debentures: School of Economics .. .. .	3,400	0	0
	109,577	6	3	Debentures and inscribed stock: Trust Funds .. .. .	57,182	2	6
Plus balance, Income and Expenditure Account .. .. .	3,480	12	1	Shares—S. A. Rhodes Account: Paparoa Co. .. .. .	330	0	0
	113,057	18	4	Weir House loan .. .. .	2,681	0	0
				Sundry debtors .. .. .	41	6	5
				Accrued interest .. .. .	873	13	0
				College buildings and equipment (less depreciation)—			
				College buildings .. .. .	59,795	0	3
				Library books .. .. .	10,991	10	0
				Caretaker's cottage .. .. .	268	0	0
				Laboratory fittings .. .. .	2,009	3	5
				Apparatus .. .. .	5,492	9	6
				Fencing and grounds .. .. .	1,751	6	5
				Furniture and fittings .. .. .	5,454	16	0
				Bicycle-shed .. .. .	97	5	0
				Carpenter's shop .. .. .	87	10	8
				S. A. Rhodes—			
				Office equipment .. .. .	86	3	7
				Motor-car .. .. .	225	5	10
				Carnegie Library Books—			
				General .. .. .	4,886	4	9
				Workers' Educational Association .. .. .	158	19	6
				Workers' Educational Association—			
				Office equipment .. .. .	5	17	10
				Office car .. .. .	269	4	5
					91,578	17	2
				College land .. .. .	18,000	0	0
				Weir House assets .. .. .	47,757	3	5
	£235,130	7	11		£235,130	7	11



WEIR HOUSE ACCOUNT—*continued.*

## STATEMENT OF INCOME AND EXPENDITURE.

<i>Expenditure.</i>		£	s.	d.	<i>Income.</i>		£	s.	d.
Bread .. .. .	..	167	0	2	Boarders' fees .. .. .	..	5,491	9	0
Fruit and vegetables .. .. .	..	425	17	1	Locker fees .. .. .	..	13	17	6
Gas and electric light .. .. .	..	442	5	3	Interest .. .. .	..	4	0	5
Groceries .. .. .	..	1,002	11	8	Miscellaneous .. .. .	..	4	0	5
Heating .. .. .	..	188	0	0	Billiard receipts .. .. .	..	13	13	4
Insurance .. .. .	..	38	8	2	Received from Public Trustee .. .. .	..	1,259	4	4
Laundry .. .. .	..	152	13	10	Sale of souvenirs .. .. .	..	0	3	6
Meat and fish .. .. .	..	543	6	0					
Milk .. .. .	..	275	5	2					
Miscellaneous .. .. .	..	114	2	5					
Rent .. .. .	..	500	0	0					
Salaries .. .. .	..	1,913	11	7					
Telephone .. .. .	..	61	7	1					
Water .. .. .	..	106	3	6					
Maintenance .. .. .	..	58	1	6					
Souvenirs .. .. .	..	10	6	6					
Transferred to General Account .. .. .	..	100	0	0					
Balance .. .. .	..	687	8	7					
		£6,786	8	6			£6,786	8	6

## BALANCE-SHEET AS AT 31ST DECEMBER, 1938.

<i>Liabilities.</i>				<i>Assets.</i>					
	£	s.	d.	£	s.	d.	£	s.	d.
Trust Fund, 1st January, 1938 .. .. .	45,382	12	9	Cash at Bank of New Zealand .. .. .	1,236	13	9		
Less depreciation .. .. .	1,271	11	8	Cash in hand .. .. .	1	19	4		
	44,111	1	1	Cash at Post Office Savings-bank .. .. .	135	0	0		
Plus balance, Income and Expenditure Account .. .. .	687	8	7				1,373	13	1
	44,798	9	8	Weir House Building .. .. .	..	..	40,299	19	4
Loan Account .. .. .	2,681	0	0	Staff cottage and recreation-room .. .. .	..	..	1,484	4	1
Sundry creditors .. .. .	271	15	5	Destructor .. .. .	..	..	7	16	9
Fees in advance .. .. .	5	18	4	Furniture and equipment .. .. .	..	..	3,799	8	2
				Outbuildings .. .. .	..	..	63	11	10
				Grounds .. .. .	..	..	657	2	8
				Loan to Students' Association: Weir House .. .. .	..	..	7	10	0
				Accrued interest .. .. .	..	..	3	0	9
				Stock in hand .. .. .	..	..	48	2	2
				Sundry debtors—		£ s. d.			
				Boarding fees .. .. .	..	..	11	7	1
				Locker fees .. .. .	..	..	1	7	6
							12	14	7
							£47,757	3	5
							£47,757	3	5

#### 4. CANTERBURY UNIVERSITY COLLEGE.

*Visitor.*—The Hon. the Minister of Education.

*Members of Council.*

*Chairman.*—A. E. Flower, Esq., M.A., M.Sc.

Appointed by the Governor-General.—A. O. Wilkinson, Esq., B.Com.; Right Rev. Dr. Campbell West-Watson.

Appointed by members of Parliament.—T. H. McCombs, Esq., M.Sc., M.P.; Colonel the Hon. G. J. Smith, C.B.E., M.L.C., V.D.; Rev. Clyde Carr, M.P.

Appointed by graduates.—J. H. E. Schroder, Esq., M.A.; J. G. D. Ward, Esq., LL.M.; Mrs. B. G. Young, M.A.; A. E. Flower, Esq., M.A., M.Sc.; G. M. L. Lester, Esq., M.A., M.R.C.S., L.R.C.P.; R. Hepburn, Esq., LL.D., B.Com.

Appointed by teachers.—C. T. Aschman, Esq.; J. G. Polson, Esq., M.A. (deputy chairman); W. C. Colce, Esq., M.A.

Appointed by School Committees.—H. D. Acland, Esq., B.A.; W. A. Banks, Esq.; W. P. Spencer, Esq.

Representatives of the Professorial Board—Professor J. Hight, C.M.G., M.A., Litt.D., F.R.E.S. (Rector), *ex officio*; Professor H. G. Denham, M.A., D.Sc., Ph.D.

*Staff.*

*Rector.*—Professor J. Hight, C.M.G., M.A., Litt.D., F.R.E.S.

*Professors.* Classics—L. G. Pocock, M.A. Mathematics—W. Suddler, M.A., D.Sc., F.R.S. English Language and Literature—F. Sinclair, M.A. French and German—C. Malthus, M.A., Litt.D. Chemistry—H. G. Denham, M.A., D.Sc., Ph.D. Engineering (Electrical) P. H. Powell, M.Sc., M.Eng., M.I.E.E., M.A.I.E.E.; (Civil) J. E. L. Cull, B.Sc., A.M.I.M.E.; (Mechanical) S. Steele, B.Sc. Biology—E. Percival, B.Sc. History—J. Hight, C.M.G., M.A., Litt.D., F.R.E.S. Physics—F. W. G. White, M.Sc., Ph.D. Education and Director of Extension Work—H. E. Field, M.A., Ph.D. Economics—A. H. Tocker, M.A. Philosophy—J. L. G. Sutherland, M.A., Ph.D. Music—J. C. Bradshaw, Mus.D.

*Registrar.*—G. C. Kemp, A.R.A.N.Z., F.C.S.N.Z.

Lecturers, eighteen.

#### REPORT (EXTRACTS).

IN accordance with the provision of the Canterbury University College Act, the annual election of members took place in June, when Colonel G. J. Smith, Messrs. A. E. Flower, J. H. E. Schroder, C. T. Aschman, and W. P. Spencer were re-elected by their respective constituencies.

Revenue from endowments during the past year kept fairly well up to the average of the past few years, but there is still too big a stream of reduction readjustments, which will give no opportunity at all for development work of the College. In particular, the greatly reduced rentals for some of the high-country runs and the possibility of further difficulty with these will cause very great concern to the Council in the immediate future.

No further grants by the Department have been made towards buildings, so that our proposed new Library, new Geography School, and new School of Art are still so far on paper. In each case the accommodation is very far from adequate, and the numbers in each are steadily increasing.

The geography department is now housed under great difficulties in the engineering lecture-room and an adjacent room and in the lecture hall at the Public Library. A full-time Lecturer, Mr. K. Cumberland, was appointed to help Dr. Jobberns with this department.

The Library is fully used and is very congested, and hence difficult to make the best use of. The Macmillan Brown department is not easily accessible in its separate position, while most departmental libraries still have to be housed in various parts of the College.

During the year a Government grant enabled much-needed adjustments by way of increases to be made in salaries, as well as considerable extra assistance. The staff of Professors now amounts to fifteen, of Lecturers to fifty, and of assistants to thirteen, a total of seventy-eight. The Departments under the new appointees of last year are making solid progress.

The College is again indebted to the Chamber of Commerce for a grant of £100, which is of much assistance to the economics department, and the late Mrs. Annie Overton made a bequest of £100 to the College Library in memory of her late husband, Charles Overton, and of her late step-son, Guy Stanley Overton.

During the year the University Senate approved of the establishment of a Chair of Music and of the appointment of Dr. Bradshaw as Professor of Music in the University of New Zealand.

In the Public Library the Council is again indebted to the City Council for grants of £250 to the reference department and £150 to the children's department. I would here like to stress the especial value that the free reading-room, the reference library, and the children's library are to the general public. Moreover, the services of Librarian and staff reach far beyond the confines of Christchurch in many directions. The school-library scheme which was instituted during the year is running satisfactorily in conjunction with the Public Library.

## STATEMENT OF ACCOUNTS FOR THE YEAR ENDED 31st DECEMBER, 1938.

## STATEMENT OF RECEIPTS AND PAYMENTS.

<i>Receipts.</i>				<i>Payments.</i>								
	£	s.	d.	£	s.	d.	£	s.	d.			
War Memorial Fund .. .. .				933	0	11	Balance .. .. .			680	11	5
Government grants .. .. .				8,390	0	0	Buildings (additions) .. .. .			1,398	5	3
Chamber of Commerce grant .. .. .	100	0	0				Endowments (improvements) .. .. .			99	10	0
Less paid to A. H. Tocker .. .. .	50	0	0				Instalment on account of mortgage on Helen Cannon Hall .. .. .			400	0	0
				50	0	0	Furniture .. .. .			217	7	1
Donations .. .. .				248	12	11	Equipment: Office .. .. .			20	3	1
National endowment .. .. .				3,631	16	9	Equipment and apparatus .. .. .			381	5	10
Rent of reserves .. .. .				8,436	14	2	Library books, &c. .. .. .			955	1	2
Students' fees .. .. .				10,318	9	11	Students' Association fees .. .. .			1,276	8	6
Students' Association fees .. .. .				1,276	8	6	Testing fees .. .. .			90	12	9
Testing fees .. .. .				103	8	6	Scholarships .. .. .			1,786	2	9
Interest .. .. .				129	11	8	Salaries and wages .. .. .			28,375	8	11
Sundries—							Office expenses .. .. .			583	7	0
Library fees and fines .. .. .	29	0	0				Endowment expenses .. .. .			390	15	5
Sales, &c., and use of rooms, &c... .. .	64	18	2				Transfer: Workers' Educational Association .. .. .			250	0	0
				93	18	2	Interest .. .. .			124	0	6
Transfers—							General expenses—			£	s.	d.
Administration .. .. .	1,967	0	0				Printing and stationery .. .. .	417	4	10		
Medical School reserves .. .. .	1,176	6	10				Advertising .. .. .	62	16	7		
Museum, Library, and School of Technical Science .. .. .	25	0	0				Insurance .. .. .	125	16	6		
				3,168	6	10	Water-supply .. .. .	37	6	0		
Scheme 5 .. .. .				366	5	0	Telephones and postages .. .. .	73	2	0		
Various scholarships, grants, &c. .. .. .				1,786	2	9	Heating and lighting .. .. .	750	8	2		
Boarding fees—							Repairs and Maintenance of Buildings .. .. .	250	15	5		
Rolleston House .. .. .				2,571	7	11	Cleaning-material .. .. .	81	13	4		
Helen Cannon Hall .. .. .				3,273	10	7	Upkeep of grounds .. .. .	302	10	7		
House fees—							Gramophone records .. .. .	14	6	1		
Rolleston House .. .. .				102	0	0	Expenses—					
Helen Cannon Hall .. .. .				48	15	0	Cass station .. .. .	9	6	0		
Balance .. .. .				2,565	10	1	Arthur's Pass cottage .. .. .	7	1	1		
							Grants to necessitous students .. .. .	7	7	0		
							Entertainment allowance .. .. .	27	10	0		
							Rector's petty cash .. .. .	2	8	6		
							Sundries .. .. .	106	18	6		
							Material and equipment, &c. .. .. .	1,830	14	9		
							Geography lectures .. .. .	119	12	0		
							Rent: Assistant Porter .. .. .	8	13	4		
							Passage—					
							Hartley Scholar .. .. .	51	16	0		
							Assistant Lecturer in Geography .. .. .	62	4	5		
							Rent: Public Library Hall .. .. .	43	15	0		
										4,393	6	1
							Scheme 5 .. .. .			450	18	1
							Observatory honorarium .. .. .			25	0	0
							Rolleston House—					
							Salaries and wages .. .. .	978	13	6		
							Provisions .. .. .	1,150	1	2		
							Heating and lighting .. .. .	235	11	0		
							Repairs to buildings .. .. .	242	13	1		
							Insurance .. .. .	14	19	3		
							Furniture .. .. .	23	12	0		
							Household requisites .. .. .	45	11	0		
										2,691	1	0
							House fees .. .. .			102	0	0
							Helen Cannon Hall—					
							Salaries and wages .. .. .	896	13	6		
							Provisions .. .. .	1,026	3	2		
							Heating and lighting .. .. .	344	12	1		
							Repairs to buildings .. .. .	24	16	0		
							Insurance .. .. .	38	19	1		
							Other expenses .. .. .	4	8	7		
							Interest on mortgage .. .. .	276	15	1		
							Furniture .. .. .	91	8	8		
							Household requisites .. .. .	41	3	8		
										2,744	19	10
							House fees .. .. .			48	15	0
										£47,493	19	8
										£47,493	19	8



BALANCE-SHEET AS AT 31ST DECEMBER, 1938 *continued.*

<i>Liabilities—continued.</i>		<i>Assets—continued.</i>					
£	s. d.	£	s. d.	£	s. d.		
		Household requisites .. ..	196	16	5		
		Less depreciation .. ..	39	4	0		
			157	12	5		
		Plus purchases, 1938 .. ..	23	17	8		181 10 1
		Provisions .. ..					5 0 0
		Sundry debtors: Boarding fees .. ..					21 11 6
		Helen Connon Hall—					
		Site .. ..				4,800	0 0
		Building .. ..	9,914	4	0		
		Less depreciation .. ..	297	8	0		
			9,616	16	0		9,616 16 0
		Furniture .. ..	1,210	14	11		
		Less depreciation .. ..	121	0	0		
			1,089	14	11		
		Plus purchases, 1938 .. ..	91	8	8		1,181 3 7
		Utensils .. ..	184	2	1		
		Less depreciation .. ..	36	16	0		
			147	6	1		
		Plus purchases, 1938 .. ..	41	3	8		188 9 9
		Provisions .. ..					6 0 0
		Sundry debtors: Boarding fees .. ..					5 4 6
		T. W. Adams School of Forestry—					
		Site .. ..				2,780	0 0
		Buildings .. ..	665	9	6		
		Less depreciation .. ..	33	5	0		
						632	4 6
		Investment .. ..				1,610	0 0
		Students' Loan Fund: Loans .. ..				502	15 0
		Dr. Mickle Students' Loan Fund					
		Investments .. ..				500	0 0
		Loans .. ..				160	0 0
						£488,368	4 1
						£488,368	4 1

## ASSOCIATION FOR COUNTRY EDUCATION.

## STATEMENT OF RECEIPTS AND PAYMENTS.

<i>Receipts.</i>		£	s. d.	<i>Payments.</i>		£	s. d.
Balance .. ..		1,072	5 6	Salaries .. ..		797	11 9
Carnegie Corporation grant .. ..		589	6 3	General expenses .. ..		310	17 2
Interest .. ..		17	9 3	Balance .. ..		570	12 1
		£1,679	1 0			£1,679	1 0

## STATEMENT OF INCOME AND EXPENDITURE.

<i>Expenditure.</i>		£	s. d.	<i>Income.</i>		£	s. d.
Salaries .. ..		797	11 9	Balance .. ..		405	3 0
Library books (transferred to Government) .. ..		250	0 0	Carnegie Corporation grants .. ..		1,240	0 0
General expenses .. ..		310	17 2	Interest .. ..		17	9 3
Depreciation: Furniture, &c. .. ..		28	4 0				
Balance .. ..		275	19 4				
		£1,662	12 3			£1,662	12 3

## BALANCE-SHEET AS AT 31ST DECEMBER, 1938.

<i>Liabilities.</i>		£	s. d.	<i>Assets.</i>		£	s. d.
Income and Expenditure balance .. ..		549	6 3	Furniture and equipment .. ..		282	17 6
Carnegie grant for 1939 (on account) .. ..				Less depreciation .. ..		28	4 0
						254	13 6
				Cash .. ..		570	12 1
		£825	5 7			£825	5 7



## SCHOOL OF FORESTRY.

## STATEMENT OF RECEIPTS AND PAYMENTS.

<i>Receipts.</i>				£	s.	d.	<i>Payments.</i>						
Transfer from T. W. Adams School of Forestry							Balance				£	s.	d.
Bequest Account	..	..	..	..	117	14	1	..	..	..	2,449	3	6
Balance	..	..	..	..	2,331	9	5						
											£2,449	3	6
											£2,449	3	6

## STATEMENT OF INCOME AND EXPENDITURE.

<i>Expenditure.</i>				£	s.	d.	<i>Income.</i>						
Depreciation of equipment	..	..	..	21	0	0	Capital	..	..	..	£	s.	d.
											21	0	0
											£21	0	0
											£21	0	0

## BALANCE-SHEET AS AT 31ST DECEMBER, 1938.

<i>Liabilities.</i>				£	s.	d.	<i>Assets.</i>							
Cash Account overdrawn	..	..	..	2,331	9	5	Cash Account, 1st January, 1938	..	2,138	11	6	£	s.	d.
							Plus Income and Expenditure	..	21	0	0			
											2,159	11	6	
							Less transfers from T. W. Adams School of Forestry Bequest Account	..	117	14	1			
											2,041	17	5	
							Equipment and apparatus	..	210	12	0			
							Less depreciation	..	21	0	0			
											189	12	0	
							Library books	..	..	..	..	100	0	0
											£2,331	9	5	
											£2,331	9	5	

## SCHOOL OF ENGINEERING.

## STATEMENT OF RECEIPTS AND PAYMENTS.

<i>Receipts.</i>				£	s.	d.	<i>Payments.</i>							
Balance	..	..	..	2,517	19	1	Salaries	..	..	..	6,788	8	9	
Government grants	..	..	..	5,005	0	0	Library books	..	..	..	79	18	8	
Students' fees	..	..	..	1,810	17	4	Testing fees	..	..	..	37	11	7	
Testing fees	..	..	..	157	17	6	General expenses—							
Sundries—							Heating and lighting	..	249	2	7			
Interest	..	..	..	158	11	1	Insurance	..	38	12	9			
Sales, &c.	..	..	..	9	3	3	Printing, stationery, and advertising	..	65	8	8			
							Material and apparatus	..	242	19	3			
							Repairs to buildings	..	7	11	3			
							Sundries	..	33	11	4			
Transfer from Museum, Library, and School of Technical Science	..	..	..	800	0	0	Administration	..	205	0	0			
							Furniture	..	20	1	1			
											862	6	11	
							Balance	..	..	..	2,691	2	4	
											£10,459	8	3	
											£10,459	8	3	

## STATEMENT OF INCOME AND EXPENDITURE.

<i>Expenditure.</i>				£	s.	d.	<i>Income.</i>						
Salaries	..	..	..	6,788	8	9	Government grants	..	..	..	5,005	0	0
Library books	..	..	..	79	18	8	Students' fees	..	..	..	1,815	8	4
General expenses	..	..	..	841	12	5	Testing fees	..	..	..	180	2	4
Depreciation: Equipment	..	..	..	680	2	0	Interest	..	..	..	158	11	1
							Sales, &c.	..	..	..	9	3	3
							Transfer from Museum, Library, and School of Technical Science	..	..	..	800	0	0
							Capital: Transfer of balance	..	..	..	421	16	10
											£8,390	1	16
											£8,390	1	16



## 5. UNIVERSITY OF OTAGO.

*Visitor*.—His Excellency the Governor-General.

*Members of Council.*

*Chancellor*.—W. J. Morrell, Esq., M.A. (Oxon.). *Vice-Chancellor*.—L. D. Ritchie, Esq.

Appointed by the Governor-General—Colonel the Hon. Sir J. Allen, G.C.M.G., K.C.B., T.D., M.A., M.L.C.; G. R. Ritchie, Esq., J.P.; James Fitzgerald, Esq., B.A., M.B., C.M., F.R.C.S.E.

Elected by graduates—F. S. Batchelor, Esq., F.R.C.S., L.R.C.P.; Rev. D. C. Herron, M.C., M.A.; Miss M. W. May, M.A.; H. P. Kidson, Esq., M.A., B.Sc.

Elected by the professors—R. J. T. Bell, Esq., M.A., D.Sc., LL.D., F.R.S.E.; C. E. Hercus, Esq., O.B.E., D.S.O., M.D., B.D.S., D.P.H. (resigned); D. W. C. Jones, Esq., M.B., D.M. (Oxon.), F.R.C.P.

Elected to represent Otago Hospital Board—Alexander Steel, Esq.; elected by teachers in primary schools, J. Robertson, Esq., B.A., B.Sc.; elected by the Otago Education Board, James Wallace, Esq.; elected by High School Boards, W. R. Brugh, Esq.; elected by the Southland Education Board, Major S. Rice; elected by School Committees, L. D. Ritchie, Esq.; elected by teachers of secondary schools, W. J. Morrell, Esq., M.A. (Oxon); elected by Dunedin City Council, F. W. Mitchell, Esq.

*Staff.*

*Professors*.—Chemistry—F. G. Soper, Ph.D., D.Sc., F.I.C. (Lond.), F.N.Z.I.C. English—Herbert Ramsay, M.A. Physiology—J. Malcolm, M.D. (Edin.) F.R.S.E. Dentistry—R. B. Dodds, D.D.S. Domestic Arts—Ann G. Strong, O.B.E., B.Sc. Physics—R. Jack, M.A., D.Sc., Ph.D. Philosophy—J. N. Findlay, M.A. (Oxon.), M.A. (S. Africa), Ph.D. Anatomy—W. P. Gowland, M.D., B.Sc., F.R.C.S. Pathology—E. F. D'Ath, M.B., Ch.B. Classics—T. D. Adams, M.A. Modern Languages—G. E. Thompson, M.A., Litt.D. Mathematics—R. J. T. Bell, M.A., D.Sc., LL.D., F.R.S.E. Geology and Mineralogy—W. N. Benson, D.Sc., B.A., F.G.S., &c. Surgery—F. G. Bell, M.D., L.R.C.P., F.R.C.S. Systematic Medicine—D. W. C. Jones, M.A., D.M., (Oxon), F.R.C.P. History—J. R. Elder, C.M.G., M.A., D.Litt. Clinical Medicine and Therapeutics—F. W. B. Fitchett, M.D., C.M., F.R.C.P. Bacteriology and Public Health—C. E. Hercus, O.B.E., D.S.O., M.D., B.D.S., D.P.H. Economics—R. W. Souter, M.A., Ph.D. Education—R. Lawson, M.A., Litt.D. Dip.Ed. Midwifery and Gynaecology—J. B. Dawson, M.D., B.S., F.R.C.S., L.R.C.P. Mining—A. R. Andrew, D.Sc., &c. Zoology—B. J. Marples, M.A., M.Sc.

*Associate Professors*.—Dentistry—J. R. Burt, L.D.S., R.C.S.

Also 51 lecturers and 35 assistants.

*Registrar*.—H. Chapman, Esq., B.A.

REPORT (EXTRACTS).

In accordance with the provisions of the University of Otago Ordinance, 1869, I have the honour to report on the proceedings of the University of Otago for the year ended 31st December, 1938.

*The Council*.—During the year the biennial election of members of the Council took place. The retiring representatives of Convocation were the Right Rev. Bishop Fitchett, who had very worthily represented the Court since 1932, but decided, much to the regret of his colleagues on the Council, not to offer himself for re-election, and Mr. J. W. Howorth, a younger graduate who during his three years of membership had done useful work. I wish to place on record the Council's high appreciation of the services of both. The newly elected representatives are Mr. H. P. Kidson, M.A., B.Sc., and Miss M. W. May, M.A.

Towards the close of the year Dr. C. E. Hercus, one of the representatives of the Professorial Board, resigned his seat owing to his intended absence during the session on a visit to England and America. Dr. D. W. Carmalt Jones was elected in his stead.

The term of office of Mr. G. R. Ritchie, one of the Government nominees, expired on 30th June, but a further appointment has not yet been made.

*The Teaching Staff*.—An important step was taken during the year in relation to the staffing of the Medical School. On the emphatic advice of the Medical Faculty the Council decided that the Chair of Medicine should be a full-time position, and it accordingly approached the Government for funds to permit of the appointment of a Professor at a salary of £2,000 per annum.

I wish to express the Council's high appreciation of the Government's action in acceding to this request. The position has been advertised, and an appointment will be made during the current year.

An addition to the Professoriate has been made by the establishment of a Chair of Music for which the salary is provided by the Blair Bequest. This is at present a part-time position. The new Professor is Dr. V. E. Galway, who for the past thirteen years has with much success acted as Lecturer in the subject.

Several other changes in the lecturing staff are referred to in the reports of the various Deans.

*Medical Research*.—During the year a forward movement has taken place in relation to medical research. Funds for this purpose have been provided by the Medical Research Council, and it will now be possible to extend materially the researches conducted in the School in nutrition, goitre, and hydatids. Owing to a generous grant from the Travis Trustees a research in tuberculosis will now also be undertaken. The various researches undertaken in the Medical School have now been grouped in a special department of research, which is for the present under the personal direction of the Dean.

*Museum*.—The most important development in relation to the Museum during the year has been the appointment of a Keeper of Zoology. Mr. F. G. Gardiner Peake, M.A. (Oxon.), who has had experience in museums in England and Australia, has been appointed to this post, and it is confidently anticipated that the zoology section will, as a result of his work, be made a much more useful and attractive display.

I wish also to refer to the appointment of Mr. G. D. Anderson as Educational Officer on the Museum staff. By arranging visits to the Museum from school children and by forwarding selected exhibits to the schools Mr. Anderson is doing much to stimulate an interest among their pupils in the various studies for which the Museum provides material.



ARTS AND GENERAL ACCOUNT *continued.*

## STATEMENT OF INCOME AND EXPENDITURE.

<i>Expenditure.</i>				<i>Income.</i>					
	£	s.	d.	£	s.	d.	£	s.	d.
Balance on 1st January, 1938 .. .. .				1,949	12	5			
Salaries—									
Professors, Lecturers, &c. .. .	25,509	17	1						
Cleaning and caretaking .. .	1,099	3	8						
Office .. .. .	2,137	0	0						
Library .. .. .	1,144	5	0						
				29,890	5	9			
Printing, advertising, and stationery .. .. .				620	18	3			
Telephones, postages, and exchanges .. .. .				189	10	2			
Insurance .. .. .				244	17	2			
Water .. .. .				82	3	0			
Power .. .. .				137	1	6			
Lighting .. .. .				251	7	5			
Heating .. .. .				479	13	2			
Travelling-expenses .. .. .				71	19	6			
Repairs and maintenance of buildings .. .. .				743	3	5			
Cleaning materials and expenses .. .. .				78	17	9			
Miscellaneous expenses .. .. .				568	2	10			
Bank of New Zealand for commission .. .. .				10	17	2			
Fees to Professors, Lecturers, and Students' Association .. .. .				1,019	16	3			
Interest on University debentures .. .. .				200	0	0			
Audit fee .. .. .				93	12	0			
Payment to Sir George Grey scholar and sundry bursars .. .. .				1,655	0	0			
Law-costs .. .. .				19	10	0			
Rates .. .. .				65	4	0			
Architects' and engineers' fees .. .. .				112	12	3			
Material—									
Geology .. .. .	20	14	7						
Chemistry .. .. .	663	9	4						
Botany .. .. .	27	15	10						
Physics .. .. .	94	1	1						
Biology .. .. .	140	17	1						
Arts: General .. .. .	11	5	9						
				958	3	8			
Sundry transfers to capital—									
Appropriation for—									
Equipment—									
Chemistry .. .. .	201	2	7						
Physics .. .. .	335	5	6						
Biology .. .. .	231	1	10						
Botany .. .. .	62	12	6						
Geology .. .. .	142	8	2						
Education .. .. .	94	19	11						
General .. .. .	252	17	10						
				1,320	8	4			
Buildings .. .. .				240	1	3			
Library .. .. .				842	16	3			
Furniture .. .. .				177	3	2			
Site: On account of—									
Leith Wall .. .. .	5,469	4	8						
Ground .. .. .	40	7	8						
				5,509	12	4			
Unauthorized expenditure: Wreaths &c. .. .. .				6	15	0			
				£47,539	4	0			
							£47,539	4	0

## BALANCE-SHEET AS AT 31ST DECEMBER, 1938.

<i>Liabilities.</i>				<i>Assets.</i>					
	£	s.	d.	£	s.	d.	£	s.	d.
Capital Account—									
Amount at 31st December, 1937 .. .	844,626	14	1						
Less total donations and subsidies on capital to 31st December, 1937 .. .. .	208,821	1	10						
	635,805	12	3						
Add accretion to capital on maturity of debentures .. .. .	33	15	0						
	635,839	7	3						
Total donations in Capital Account to 31st December, 1937 .. .	140,169	4	8						
Donations received in 1938 .. .. .	2,466	4	8						
	142,635	9	4						
Total subsidies in Capital Account to 31st December, 1938 .. .. .				68,651	17	2			
Transfer from Income and Expenditure Account—									
Mary Glendining .. .. .	100	0	0						
Donald Reid .. .. .	493	9	0						
Sir J. Roberts .. .. .	10	0	0						
Sir Lindo Fergusou's Fund .. .. .	177	15	1						
Endowment lands .. .. .				139,064	0	0			
University site and protective wall .. .. .				38,922	1	2			
University buildings .. .. .				345,702	15	8			
Equipment—									
Arts and General .. .. .	11,420	2	7						
Medical .. .. .	13,434	11	10						
Dental, Home-science, Mining, Museum (including exhibits), Home-science Extension .. .. .	58,235	7	8						
				83,090	2	1			
Office equipment .. .. .				675	0	0			
Furniture .. .. .				8,684	3	3			
Library (including Hocken) .. .. .				35,140	0	8			
Laboratory material .. .. .				4,456	0	0			
Investments—									
Debentures and inscribed stock .. .. .	200,612	1	2						
Shares in sundry companies and in Bank of New Zealand .. .. .	2,576	0	0						
Deposits in Post Office and Dunedin Savings-Bank .. .. .	1,570	14	6						
Loans on mortgage .. .. .	7,800	0	0						
				212,558	15	8			



## ARTS AND GENERAL INVESTMENT ACCOUNT.

## STATEMENT OF RECEIPTS AND PAYMENTS.

<i>Receipts.</i>			<i>Payments.</i>			
	£	s. d.	£	s. d.	£	s. d.
Balance on 1st January 1938					Balance on 31st December, 1938—	
Debentures .. .. .	42,271	19 3			Debentures .. .. .	42,371 19 3
Cash .. .. .	100	0 0			Cash .. .. .	100 0 0
			42,371	19 3		
Donations: Sir John Ross (Bequest) .. .. .				100 0 0		
			42,471	19 3		42,471 19 3
			£42,471	19 3		£42,471 19 3

## DENTAL SCHOOL.

## STATEMENT OF RECEIPTS AND PAYMENTS.

<i>Receipts.</i>			<i>Payments.</i>			
	£	s. d.	£	s. d.	£	s. d.
Government grants—					Balance on 1st January, 1938	1,082 18 7
Under New Zealand University Amendment Act, 1928 ..	3,150	0 0			Salaries (including superannuation contributions and unemployment tax)—	
On account of bursaries ..	50	0 0			Professors and Lecturers ..	4,763 14 2
			3,200	0 0	Cleaning and caretaking ..	447 0 0
Rent from reserves .. .. .				427 18 4	Office .. .. .	500 12 3
Students' fees .. .. .				2,757 0 6		
Dental patients' fees .. .. .				2,393 14 7	Printing, advertising, and stationery ..	142 5 9
Grant from Hospital Board .. .. .				725 0 0	Telephones, postages, &c. ..	67 8 2
Interest on investments .. .. .				14 4 5	Insurance .. .. .	49 15 1
Sale of Instruments and notes .. .. .				37 18 1	Water .. .. .	113 7 0
Sundry receipts .. .. .				4 14 2	Power .. .. .	65 17 6
Transfer from Sidey Account .. .. .				82 18 3	Lighting .. .. .	24 9 2
Interest on Hocken Bequest (transfer) .. .. .				20 4 10	Heating .. .. .	273 12 6
Income from Colquhoun Bequest (transfer) .. .. .				15 8 9	Material .. .. .	1,544 2 4
Balance on 31st December, 1938 .. .. .			1,154	13 6	Equipment .. .. .	488 8 11
					Library .. .. .	17 1 4
					Repairs and maintenance of buildings ..	258 8 0
					Cleaning materials and expenses, including laundry ..	331 9 6
					Miscellaneous payments .. .. .	81 3 1
					Sundry bursaries .. .. .	50 0 0
					Fees paid to Lecturers and Students' Association ..	185 4 0
					Furniture .. .. .	132 11 5
					Transfer to Arts and General Account for—	
					Administration .. .. .	194 6 8
					Library salaries .. .. .	5 0 0
					Transfer to Dental Students' Library .. .. .	15 0 0
			£10,833	15 5		£10,833 15 5

## STATEMENT OF INCOME AND EXPENDITURE.

<i>Expenditure.</i>			<i>Income.</i>			
	£	s. d.	£	s. d.	£	s. d.
Balance .. .. .			881	19 10	Government grants—	
Salaries .. .. .					Statutory .. .. .	3,150 0 0
Professors, Lecturers, &c. ..	4,763	14 2			On account of bursaries ..	50 0 0
Cleaning and caretaking ..	500	12 3				
Office .. .. .	447	0 0				
			5,711	6 5	Interest on investments .. .. .	14 3 9
Printing, advertising, and stationery .. .. .				142 5 9	Rent from reserves .. .. .	427 18 4
Telephones, postages, and exchanges .. .. .				67 8 2	Students' fees .. .. .	2,757 0 6
Insurance .. .. .				49 15 1	Grant from Hospital Board (Otago) .. .. .	725 0 0
Water .. .. .				113 7 0	Fees of dental patients .. .. .	2,261 1 7
Power .. .. .				65 17 6	Sale of Instruments and notes .. .. .	37 18 1
Lighting .. .. .				24 9 2	Sundry receipts .. .. .	4 14 2
Heating .. .. .				273 12 6	Hocken Bequest income allocation .. .. .	20 4 10
Repairs and maintenance of buildings .. .. .				258 8 0	Colquhoun Bequest income .. .. .	15 8 9
Cleaning materials, expenses, and laundrywork ..				331 9 6	Transfer from Sidey Gift Account .. .. .	82 18 3
Miscellaneous payments .. .. .				85 5 9	Balance at 31st December, 1938 .. .. .	1,086 8 5
Payment on account of bursaries .. .. .				50 0 0		
Fees paid to Professors, Lecturers, and Students' Association .. .. .				185 4 0		
Bank of New Zealand charges .. .. .				0 4 6		
Architects' fees .. .. .				10 12 10		
Material .. .. .				1,544 2 4		
Sundry transfers to capital Appropriation for—						
Equipment .. .. .				488 8 11		
Library .. .. .				17 1 4		
Furniture .. .. .				132 11 5		
Transfer to Arts and General Account for—						
Administration .. .. .				194 6 8		
Library salaries .. .. .				5 0 0		
			£10,632	16 8		£10,632 16 8

## DENTAL SCHOOL INVESTMENT ACCOUNT.

## STATEMENT OF RECEIPTS AND PAYMENTS.

<i>Receipts.</i>		£	s.	d.	<i>Payments.</i>		£	s.	d.
Balance on 1st January, 1938 : Debentures ..		349	17	7	Balance on 31st December, 1938 : Debentures ..		349	17	7
		<u>£349</u>	<u>17</u>	<u>7</u>			<u>£349</u>	<u>17</u>	<u>7</u>

## HOME-SCIENCE SCHOOL.

## STATEMENT OF RECEIPTS AND PAYMENTS.

<i>Receipts.</i>		£	s.	d.	<i>Payments.</i>		£	s.	d.		
Balance on 1st January, 1938 ..		1,696	18	8	Salaries (including superannuation contributions and unemployment tax)—						
Government grants—					Professor, Lecturers, &c. ..	3,992	7	4			
Under New Zealand University Amendment Act, 1928 ..		3,358	0	0	Cleaning .. ..	236	6	3			
For bursaries .. ..		1,660	0	0	Office .. ..	343	10	0			
Students' fees .. ..		2,777	19	8					4,572 3 7		
Interest on investments .. ..		19	8	10	Printing, advertising, and stationery .. ..				132 6 10		
Income from—					Telephones, postages, &c. .. ..				30 10 7		
Hoeken Bequest (transfer) .. ..		17	18	1	Insurance .. ..				15 11 10		
Colquhoun Bequest (transfer) .. ..		13	13	1	Water .. ..				4 18 0		
Sundry receipts .. ..		15	15	1	Power .. ..				55 0 6		
Transfer from Studholme House on account of—					Lighting .. ..				25 14 1		
Salaries .. ..		372	13	2	Heating .. ..				57 15 1		
Insurance .. ..		36	0	0	Travelling-expenses .. ..				85 6 5		
					Equipment .. ..				137 8 3		
					Material .. ..				390 13 6		
					Library .. ..				54 2 7		
					Repairs and maintenance of buildings .. ..				102 9 8		
					Bursary allowances paid out .. ..				1,660 0 0		
					Fees paid to Professors, Lecturers, and Students' Association .. ..				275 11 7		
					Fees refunded to students .. ..				42 8 6		
					Miscellaneous expenses .. ..				43 12 11		
					Transfer to Arts and General Account—	£	s.	d.			
					Administration .. ..	171	18	3			
					Library salaries .. ..	15	0	0			
									186 18 3		
					Balance at 31st December, 1938 .. ..				2,095 14 5		
		<u>£9,968</u>	<u>6</u>	<u>7</u>					<u>£9,968</u>	<u>6</u>	<u>7</u>

## STATEMENT OF INCOME AND EXPENDITURE.

<i>Expenditure.</i>		£	s.	d.	<i>Income.</i>		£	s.	d.		
Salaries—					Balance .. ..				1,712 4 3		
Professor, Lecturers, &c. ..	3,519 14 2				Government grants—	£	s.	d.			
Lecturers, Studholme House ..	472 13 2				Statutory .. ..	3,358	0	0			
Cleaning and caretaking ..	236 6 3				On account of Home-science bursaries .. ..	1,660	0	0			
Office .. ..	343 10 0								5,018 0 0		
				4,572 3 7	Interest on investments .. ..				19 7 11		
Printing, advertising, and stationery .. ..					Students' fees .. ..				2,735 11 2		
Telephones, postages, and exchanges .. ..					Sundry receipts .. ..				14 17 1		
Insurance .. ..					Hoeken Bequest income allocation .. ..				17 18 1		
Water .. ..					Colquhoun Bequest income .. ..				13 13 1		
Power .. ..					Sale of notes .. ..				0 18 0		
Lighting .. ..					Transfer from Studholme House for salaries .. ..				372 13 2		
Heating .. ..					Studholme House : Refund on account of insurance .. ..				36 0 0		
Travelling-expenses .. ..											
Repairs and maintenance of buildings .. ..											
Miscellaneous expenses .. ..											
Bursaries paid to students .. ..				1,660 0 0							
Fees to Professor, Lecturers, and Students' Association .. ..				275 11 7							
Bank of New Zealand for charges .. ..				0 9 2							
Material .. ..				390 13 6							
Sundry transfers to Capital : Appropriation for—											
Equipment .. ..				137 8 3							
Library .. ..				54 2 7							
Transfer to Arts and General Account for Administration and Library salaries .. ..				186 18 3							
Balance at 31st December, 1938 .. ..				2,110 19 1							
		<u>£9,941</u>	<u>2</u>	<u>9</u>					<u>£9,941</u>	<u>2</u>	<u>9</u>

## HOME-SCIENCE SCHOOL INVESTMENT ACCOUNT.

## STATEMENT OF RECEIPTS AND PAYMENTS.

<i>Receipts.</i>		£	s.	d.	<i>Payments.</i>		£	s.	d.
Balance on 1st January, 1938 : Debentures ..		478	4	7	Balance on 31st December, 1938 : Debentures ..		478	4	7
		<u>£478</u>	<u>4</u>	<u>7</u>			<u>£478</u>	<u>4</u>	<u>7</u>





MEDICAL SCHOOL—*continued.*STATEMENT OF INCOME AND EXPENDITURE—*continued.*

<i>Expenditure—continued.</i>			<i>Income—continued.</i>		
	£	s. d.		£	s. d.
Payment to Hospital Board on account of lecture theatre .. .. .	206	17 8	Commercial firm on account of research .. .. .	16	13 4
Transfer to Arts and General account for administration .. .. .	620	7 6			
Sundry transfers to capital—					
Appropriation for—					
Equipment—					
Anatomy .. .. .	92	8 9			
Bacteriology .. .. .	137	15 2			
Pathology .. .. .	167	7 11			
Physiology .. .. .	292	3 6			
Medical: General .. .. .	101	9 5			
	791	4 9			
Library .. .. .	577	13 7			
Furniture .. .. .	110	16 7			
Buildings .. .. .	531	19 0			
Balance at 31st December, 1938 .. .. .	4,446	14 4			
	£35,797	8 1		£35,797	8 1

## MEDICAL SCHOOL INVESTMENT ACCOUNT.

## STATEMENT OF RECEIPTS AND PAYMENTS.

<i>Receipts.</i>			<i>Payments.</i>		
	£	s. d.		£	s. d.
Balance on 1st January, 1938: Debentures .. .. .	6,180	16 5	Balance on 31st December, 1938: Debentures .. .. .	6,180	16 5
	£6,180	16 5		£6,180	16 5

## MINING SCHOOL.

## STATEMENT OF RECEIPTS AND PAYMENTS.

<i>Receipts.</i>				<i>Payments.</i>			
	£	s. d.	£	s. d.		£	s. d.
Government grants—					Balance, 1st January, 1938 .. .. .	1,850	0 1
Under New Zealand University Amendment Act, 1928 .. .. .	831	0 0			Salaries (including superannuation contributions and unemployment tax)—		
Mines Department .. .. .	750	0 0			Professor, Lecturers, &c. .. .. .	1,594	0 0
On account of bursary .. .. .	10	0 0			Cleaning and caretaking .. .. .	28	2 10
	1,591	0 0				1,622	2 10
Rent from reserves .. .. .	210	18 7			Printing, advertising, and stationery .. .. .	37	16 4
Students' fees .. .. .	729	4 6			Telephones, postages, &c. .. .. .	16	14 10
Interest on investments .. .. .	45	12 11			Insurance .. .. .	17	16 0
Assay fees .. .. .	64	19 3			Water .. .. .	1	16 0
Income from Hoeken Bequest (transfer) .. .. .	5	18 4			Power .. .. .	47	18 11
Income from Colquhoun Bequest (transfer) .. .. .	4	10 3			Lighting .. .. .	16	10 10
Sundry receipts .. .. .	3	7 8			Heating .. .. .	41	3 8
Balance .. .. .	1,566	6 4			Material .. .. .	142	11 8
					Equipment .. .. .	80	1 2
					Library .. .. .	31	19 9
					Furniture .. .. .	3	16 3
					Repairs and maintenance of buildings .. .. .	127	19 1
					Cleaning materials and expenses .. .. .	7	5 2
					Miscellaneous payments .. .. .	36	2 8
					Sundry bursaries .. .. .	10	0 0
					Fees paid to Lecturers and Students' Association .. .. .	62	0 7
					Refunds to students .. .. .	6	6 0
					Transfer Arts and General Account—		
					Administration .. .. .	56	16 0
					For Library salary .. .. .	5	0 0
						61	16 0
	£4,221	17 10				£4,221	17 10

## STATEMENT OF INCOME AND EXPENDITURE.

<i>Expenditure.</i>				<i>Income.</i>			
	£	s. d.	£	s. d.		£	s. d.
Balance .. .. .	1,786	4 5	Government grants—				
Salaries—			Annual (Education Department) .. .. .	831	0 0		
Professor, Lecturers, &c. .. .. .	1,594	0 0	Mines Department .. .. .	750	0 0		
Cleaning and caretaking .. .. .	28	2 10	On account of bursary .. .. .	10	0 0		
	1,622	2 10				1,591	0 0
Printing, advertising, and stationery .. .. .	37	16 4	Rent: Reserves .. .. .	210	18 7		
Telephones, postages, and exchanges .. .. .	16	14 10	Students' fees .. .. .	728	15 6		
Insurance .. .. .	17	16 0	Interest on investments .. .. .	45	11 2		
Water .. .. .	1	16 0	Assay fees .. .. .	70	3 9		
Power .. .. .	47	18 11	Hoeken Bequest income allocation .. .. .	5	18 4		
Lighting .. .. .	16	10 10	Income Colquhoun Bequest .. .. .	4	10 3		
Heating .. .. .	41	3 8	Sundry receipts .. .. .	3	7 8		
Repairs and maintenance of buildings .. .. .	127	19 1	Balance at 31st December, 1938 .. .. .	1,491	10 11		
Sundry bursaries .. .. .	10	0 0					
Miscellaneous payments .. .. .	43	3 7					
Fees to Lecturers and Students' Association .. .. .	62	0 7					
Bank of New Zealand for charges .. .. .	0	4 3					
Material .. .. .	142	11 8					
Sundry transfers to Capital: Appropriation for—							
Equipment .. .. .	80	1 2					
Library .. .. .	31	19 9					
Furniture .. .. .	3	16 3					
Transfer to Arts and General Account for administration and Library salary .. .. .	61	16 0					
	£4,151	16 2				£4,151	16 2

## MINING SCHOOL INVESTMENT ACCOUNT.

## STATEMENT OF RECEIPTS AND PAYMENTS.

<i>Receipts.</i>		£	s.	d.	<i>Payments.</i>		£	s.	d.
Balance on 1st January, 1938: Debentures	..	1,123	0	1	Balance on 31st December, 1938; Debentures	..	1,123	0	1
		<u>£1,123</u>	<u>0</u>	<u>1</u>			<u>£1,123</u>	<u>0</u>	<u>1</u>

## WORKERS' EDUCATIONAL ASSOCIATION.

## STATEMENT OF RECEIPTS AND PAYMENTS.

<i>Receipts.</i>		£	s.	d.	<i>Payments.</i>		£	s.	d.
Interest on investments	..	12	13	8	Balance on 1st January, 1938	..	51	10	6
Grant from University of New Zealand (national endowment)	..	374	3	10	Salaries	..	830	0	0
Government grants	..	1,145	16	8	Fees to part-time tutors	..	420	0	0
Sundry receipts	..	0	1	3	Expenses of discussion courses	..	129	0	4
Balance at 31st December, 1938	..	209	12	9	Library	..	30	12	8
		<u>£1,742</u>	<u>8</u>	<u>2</u>	Travelling and car expenses (Mr. Brailsford)	..	151	2	8
					Travelling-expenses (Mr. August)	..	28	8	6
					Expenses re Public Works Department camps	..	62	14	11
					Miscellaneous expenses	..	38	18	7
							<u>£1,742</u>	<u>8</u>	<u>2</u>

## INVESTMENT ACCOUNT.

<i>Receipts.</i>		£	s.	d.	<i>Payments.</i>		£	s.	d.
Balance on 1st January, 1938	..	312	0	8	Balance on 31st December, 1938: Debentures	..	312	0	8
		<u>£312</u>	<u>0</u>	<u>8</u>			<u>£312</u>	<u>0</u>	<u>8</u>

## STATEMENT OF INCOME AND EXPENDITURE.

<i>Expenditure.</i>		£	s.	d.	<i>Income.</i>		£	s.	d.
Balance on 1st January, 1938	..	48	1	9	Interest on investments	..	12	13	3
Salaries	..	830	0	0	University of New Zealand (national endowment)	..	374	3	10
Fees to part-time tutors	..	420	0	0	Government grants	..	1,250	0	0
Expenses of discussion courses	..	129	0	4	Sundry receipts	..	0	1	3
Library	..	30	12	8	Balance at 31st December, 1938..	..	102	1	1
Travelling and car expenses (Mr. Brailsford)	..	151	2	8					
Travelling-expenses (Mr. August)	..	28	8	6					
Expenses on account of Public Works Department camps	..	62	14	11					
Miscellaneous expenses	..	38	18	7					
		<u>£1,738</u>	<u>19</u>	<u>5</u>			<u>£1,738</u>	<u>19</u>	<u>5</u>

## BALANCE-SHEET AS AT 31ST DECEMBER, 1938.

<i>Liabilities.</i>		£	s.	d.	<i>Assets.</i>		£	s.	d.
Capital	..	260	12	8	Debentures	..	312	0	8
Investment Account	..	312	0	8	Car and Library	..	260	12	8
Cash in debit	..	209	12	9	Interest accrued	..	3	8	4
					Government grant due but not paid	..	104	3	4
					Balance of income	..	102	1	1
		<u>£782</u>	<u>6</u>	<u>1</u>			<u>£782</u>	<u>6</u>	<u>1</u>

## HOME ECONOMICS INVESTMENT ACCOUNT.

## STATEMENT OF RECEIPTS AND PAYMENTS.

<i>Receipts.</i>		£	s.	d.	£	s.	d.	<i>Payments.</i>		£	s.	d.	£	s.	d.
Balance on 1st January, 1938—					Balance on 31st December, 1938—										
Debentures	..	1,782	10	2	Debentures	..	1,782	10	2						
Cash	..	333	11	1	Cash	..	406	0	2						
		<u>2,116</u>	<u>1</u>	<u>3</u>			<u>2,188</u>	<u>10</u>	<u>4</u>						
Interest on investments	..		72	9	1										
		<u>£2,188</u>	<u>10</u>	<u>4</u>			<u>£2,188</u>	<u>10</u>	<u>4</u>						



### III. REPORTS AND ACCOUNTS OF THE NEW ZEALAND SCHOOL OF AGRICULTURE.

#### 6. NEW ZEALAND SCHOOL OF AGRICULTURE.

##### *Members of Council.*

*Chairman.*—Norton Francis, Esq., C.M.G.

Appointed by the Board of Governors of the Canterbury Agricultural College.—Professor H. G. Denham, M.A., D.Sc., Ph.D.; Professor E. W. Hilgendorf, M.A. D.Sc.; J. R. D. Johns, Esq.; W. O. Rennie, Esq.

Appointed by the Board of Governors of the Massey Agricultural College.—R. A. Candy, Esq.; Professor T. A. Hunter, M.A., M.Sc.; A. Morton, Esq.; H. B. Stuckey, Esq.

*Secretary.*—J. Logie, Esq.

#### REPORT.

IN pursuance of the provisions of the School of Agriculture Act, 1937, the Council has the honour to submit its report for the year ended 31st December, 1938:—

*Capital Grants.*—The year was noteworthy for the fact that the Government approved of a sum of £52,300 being placed on the Public Works Fund estimates for capital expenditure purposes, £17,300 being allocated to Massey Agricultural College and £35,000 to the Canterbury Agricultural College. These votes will enable some of the much-needed additions and replacements to be undertaken at the Colleges, but it is a matter of regret and concern to the Council that little progress has as yet been possible by the Public Works Department in the carrying-out of this work.

The Council also is of the opinion that if the procedure followed on this occasion is to be continued in future, under which the purposes of capital expenditure were determined by the Department of Agriculture and the work was carried out by the Public Works Department, it will be impossible for the Council to fulfil the duty imposed on it by section 14 of the School of Agriculture Act, 1937.

If the Council is to control the policy of the two Agricultural Colleges it must determine the purposes for which capital sums provided by the Government are to be used and must be able to ensure that the Board of Governors of each College works within the limits imposed by the grants.

*Post-graduate Courses.*—The Council has informed the Academic Board of the University of New Zealand of its opinion that provision should be made for graduates in the fundamental sciences to proceed to the Agricultural Colleges for training in specialized branches of agriculture. Such a scheme would provide a limited number of graduates with a type of training such as would prepare them for subsequent service in research activities relating to agriculture. The Council is further of the opinion that the implementing of such a scheme would necessitate the provision of a limited number of post-graduate scholarships of sufficient value to attract the best type of graduate.

*Visitors.*—Amongst those interested in agricultural education who visited the Dominion from overseas during the year were Dr. G. J. Hueker, of the Faculty of Agriculture, Cornell University, Ithaca, New York, and Dr. John Hammond, of the School of Agriculture, Cambridge, who was visiting the Dominion under the direction of the Hon. Minister of Industrial and Scientific Research to report on the organization of an Animal Research Bureau in New Zealand. Both of these visitors showed a keen interest in the work being undertaken at the Agricultural Colleges.

*Agricultural Division of the Research Council.*—The Council of Industrial and Scientific Research invited the Chairman to accept a seat on the Agricultural Division of that Council, and the Council of the School readily agreed that the invitation should be accepted.

*Finance.*—The Council allocated its statutory Government grant of £27,000 as follows: £15,000 to Massey Agricultural College, £9,000 with an additional amount of £2,500 for the reduction of its bank overdraft to the Canterbury Agricultural College, and £500 for current expenses in carrying out the duties of the Council. As required by the Act, reports of the Chairman of Massey Agricultural College and Canterbury Agricultural College are attached, together with the balance-sheets of the two Boards for the year ended 31st December last, and estimates of their income and expenditure for the year ending 31st December next.

The estimates of Massey Agricultural College, after providing a sum of £625 for depreciation, show a deficiency of £165; the adoption of these estimates is recommended.

The estimates of the Canterbury Agricultural College reveal a deficiency of £911 after allowing £200 for depreciation. The deficit is partly due to a drop in the revenue derived from endowments and a fall in prices of farm products, and partly to an increase in expenditure which was not anticipated when the year's work was planned. In view of these circumstances the adoption of the estimates as presented is recommended.

The accounts of the Council, duly audited, are also attached.



## 7. MASSEY AGRICULTURAL COLLEGE.

*Members of Board of Governors.*

*Chairman.*—Professor T. A. Hunter (resigned 13th April, 1938); A. Morton, Esq. (appointed 16th June, 1938).

*Vice-Chairman.*—A. E. Mansford, Esq.

*Treasurer.*—P. Levi, Esq., M.A.

*Members.*—G. Grey Campbell, Esq.; R. A. Candy, Esq.; Norton Francis, Esq., C.M.G.; M. H. Oram, Esq., M.A., LL.B., (appointed 11th August, 1938); H. B. Stuckey, Esq.; T. U. Wells, Esq., M.A.

*Staff.*

Professor G. S. Peren, Croix de Guerre, B.S.A. (Toronto), (Principal).

*Professors.*—Field Husbandry and Sheep Management—G. S. Peren. Dairying—W. Riddet, B.Sc., Glasgow, N.D.A. (Hons.), N.D.D. (Hons.).

Lecturers, 10. Assistant lecturers, &c., 8.

*Registrar.*—C. C. Yates.

## REPORT (EXTRACTS).

I HAVE the honour to present the annual report of the Massey Agricultural College for the year 1938.

*Enrolment of Students.*—The number of students enrolled was 383, constituting a record, the previous highest enrolment being 265 in 1934. The enrolment in each course was as follows: Degree, 32; sheep-farming (two-year course), 39; Dairy-farming (two-year course), 4; Dairy Diploma, 71; Wool-classing, 20; Special, 2; Herd-testing 50; Short course in sheep-farming, 22; Short course in dairy-farming, 20; City milk course, 51; Refresher course for teachers, 42; Domestic-science course, 30.

*New Courses.*—The following courses were offered for the first time: Short course in dairy farming City milk course, Refresher course for teachers, Domestic-science course.

*Scholarships.*—A student of this College was successful in winning both the University awards in agriculture—the Senior Scholarship and the Sir Jas. Wilson Prize.

*Past Students.*—Mr. C. P. McMeekan, Assistant Lecturer in Dairying at the College, was awarded the Degree of Ph.D. by the University of Cambridge.

*Research.*—Good progress has been made with the various research projects. Grants have been made available for certain of the work by the Department of Scientific and Industrial Research, and staff has been seconded by both the Research Department and the Department of Agriculture.

The work in hand is as follows:—

The Inheritance of Wool Characters: Dr. Dry and Mr. J. A. Sutherland (research student).  
Fleece-testing: Mr. Waters and assistants.

The Causes of Sterility in Rams: Mr. Webster, Mr. Reynolds, and Mr. Hutchinson. (With the aid of grants received from the Department of Scientific and Industrial Research, the New Zealand Meat Producers' Board, and the New Zealand Romney Marsh Sheep Breeders' Association.)

The Root Development of Grasses under Different Systems of Manuring and Management: Mr. W. A. Jacques and Mr. R. E. Rose. (With the aid of a grant received from the Department of Scientific and Industrial Research.)

The Economics of the Intensive Rotational Grazing of Sheep: Professor Peren, Mr. Hudson, Mr. Wilson, and Mr. Hewitt.

The Inheritance of Length in Bacon Pigs: Professor Riddet. (With the aid of grants received from the Department of Scientific and Industrial Research and the New Zealand Meat Producers' Board.)

Parasitic Worms of Sheep: Mr. J. H. Tetley.

Farm Forestry: Dr. Yeates.

Methods of Mole Drainage: Mr. A. W. Hudson and Mr. G. Hopewell. (With the aid of a grant received from the Department of Scientific and Industrial Research.)

*Property.*—During the year the College leased a hill country property of 1,050 acres situated eight miles from the main property. Its acquisition should be of very material benefit to our farming and teaching activities.

*Provision of Additional Accommodation and Equipment.*—A grant of £17,300 was approved by the Government for the provision of certain teaching-accommodation, extensions to the staff quarters in the refectory building, and farm buildings and equipment. To the end of the year, however, a sum of £500 only had been made available for the more urgent works. An application was also made for a grant to cover the cost of a new dormitory building, but was declined. The lack of this additional hostel accommodation is viewed with concern by my Board, and it is hoped that a grant will be made available in the coming year for this purpose.







## 8. CANTERBURY AGRICULTURAL COLLEGE.

*Members of Board of Governors.**Chairman:* W. O. Rennie, Esq.

Nominated by His Excellency the Governor-General.—W. O. Rennie, Esq.; Professor F. W. Hilgendorf, M.A., D.Sc., F.R.S.N.Z.

Elected by members of Parliament for Canterbury and members of the Legislative Council resident in Canterbury.—C. Morgan Williams, Esq., M.P.; T. H. McCombs, Esq., M.P.; H. S. S. Kyle, Esq., M.P.

Elected by Board of Governors of Canterbury College.—Professor H. G. Denham, M.A., D.Sc., Ph.D., F.I.C.; C. T. Aschman, Esq.

Elected by Agricultural and Pastoral Associations of Canterbury.—G. F. Wright, Esq.; J. R. D. Johns, Esq.; N. M. Orbell, Esq.

*Staff.*

*Director.*—Professor E. R. Hudson, B.Sc., B. Agr., Dip.C.A.C.

*Assistant-Director.*—J. W. Calder, M.Sc., B.Agr.,<sup>5</sup>Dip.C.A.C.

*Lecturers,* sixteen.

*Registrar.* J. A. S. Kirkness, M.Com., A.R.A.N.Z.

## REPORT.

I HAVE the honour to present the fifty-eighth annual report of the Canterbury Agricultural College Board of Governors, for the year ended 31st December, 1938. Accompanying this is a report by the Director and a statement of the accounts of the College.

The receipt of £11,500 through the School of Agriculture for current expenditure and for reduction of the overdraft has enabled the Board to carry on the College activities under exacting conditions of rigid economy in all departments. The programme of expenditure has left very little to meet accumulated maintenance charges, and several projected developments are hindered through lack of finance. Although the College received from Government sources £1,200 additional to that received in 1937, it has experienced a reduction in the rentals from endowments. These fell by nearly £900 on the 1937 figures and by £1,138 on the anticipated figures for the year under review. The problems associated with the farming of high-country runs will no doubt permanently affect the College rentals, and a further measure of financial support will be necessary from other sources.

Towards the end of the year notice was received from the Government that an amount of £35,000 had been placed on the estimates of Public Works Department for urgent capital expenditure. Of this amount, only £849 had been expended up to the 31st December. The renovation of the main College building and the erection of a short-course students' dormitory, farm buildings, and staff cottages have been delayed through a shortage of draughtsmen on the staff of the Public Works Department. I am compelled to direct attention to the serious nature of this delay. At present students and members of the staff have to be accommodated under conditions which, by no stretch of the imagination, can be regarded as satisfactory, and equally unsatisfactory conditions prevail in connection with many of our farming activities, particularly with dairying and slaughtering of stock.

In spite of the disabilities arising from shortage of funds, the College has not only maintained the efficiency of its teaching and research, but has shown development in every department.

A new departure has been the institution of a course in valuation and farm-management. The course began in the first term with an enrolment of thirteen students, several of whom were officers of Government Departments concerned with primary production. The Board feels that the course is meeting in an effective manner the needs of officers of several Government Departments concerned with the primary industries and of young men contemplating farming on their own behalf.

In accordance with the provisions of the Canterbury Agricultural College Act, the annual election of members took place in December, when Mr. G. F. Wright was reappointed by the Mid-Canterbury A. and P. Associations for a further term of three years. Mr. C. Morgan Williams was elected in place of Mr. M. E. Lyons, and Messrs. T. H. McCombs and C. T. Aschman were appointed to replace Messrs. H. E. Herring and W. A. Banks, who resigned. All three members who have resigned have rendered loyal and efficient service to the College, and our indebtedness to them is gratefully acknowledged.

By kind permission of Canterbury University College, degrees gained at the University examinations of 1937 were conferred by Dr. J. Hight, Pro-Chancellor of the University of New Zealand. The graduates were J. R. G. Fleming, M.Agr.Sc. (Equivalent First-class Honours), and R. D. Dick, G. E. Garrett, K. M. Harrow, and D. W. Newall, Bachelors of Agricultural Science.

*Finance.*—The gross receipts for the year 1938 from all sources were £24,775 and the total payments were £25,507. The total amount received from Government sources was £11,699, as against £10,440 for the previous year. Rent received from endowments was £2,106, as against £2,980 in 1937.

The College gratefully acknowledges the donation of gold medals from Mr. N. H. Mackie and Mr. Norton Francis, C.M.G., for award to students, and of cups for competition from several mercantile firms.

The College has always enjoyed an enviable record for the quality of its stock, and the distribution of high quality live-stock is a most important College activity. The gaining of more than a hundred awards at the three principal shows of Canterbury bears evidence that this important branch of the College activities is being maintained at a high standard. The output of improved strains of crop and pasture seeds has likewise been continued, and this year's activities have been marked by the large-scale release of the improved C.23 College cocksfoot and by the production of some 1,200 bushels of the newly developed spring wheat Tainui. The close and efficient co-operation of the Wheat Research Institute and the College has made this achievement possible. I also desire to acknowledge the helpful assistance rendered by officers of the Departments of Agriculture and Scientific and Industrial Research, and also by the University and the Council of the School of Agriculture.

## STATEMENT OF ACCOUNTS FOR THE YEAR ENDED 31ST DECEMBER, 1938.

## STATEMENT OF RECEIPTS AND PAYMENTS.

<i>Receipts.</i>		£ s. d.		£ s. d.		<i>Payments.</i>			
						£ s. d.		£ s. d.	
Government grants—									
New Zealand School of Agriculture	11,499	18	8						
Entertainment grant .. .. .	199	19	8						
				11,699	18	4			
Sundry College receipts—									
Rents .. .. .				2,106	6	2			
Inscribed stock interest—									
Wreford Reed .. .. .		3	18	3					
Osborne .. .. .		19	11	2					
Bledisloe Medal .. .. .		3	18	3					
				27	7	8			
Interest, Mortgage Account				173	19	10			
Students' fees .. .. .				3,391	17	6			
Short-course fees .. .. .				80	0	6			
F.A.S. fees .. .. .	807	0	4						
Less travelling-expenses..	342	15	6						
				464	4	10			
Board and meals .. .. .				127	14	4			
Petty cash refund .. .. .				100	0	0			
Shell Scholarship Fund .. .. .				25	0	0			
Dr. Hilgendorf Trust Fund .. .. .				105	13	7			
Donations—									
General .. .. .				7	2	0			
Research .. .. .				65	0	0			
Sundry farm receipts—									
Sheep .. .. .	2,736	9	9						
Cattle .. .. .	530	8	11						
Dairy .. .. .	146	15	3						
Crops .. .. .	2,014	11	10						
Pigs .. .. .	645	16	6						
Skins and fats .. .. .	140	10	6						
Farm trades .. .. .	59	1	8						
Wool .. .. .	70	19	1						
Eggs .. .. .	2	18	10						
Poultry .. .. .	0	15	8						
Stock prizes .. .. .	51	17	0						
				6,400	5	0			
Balance .. .. .				4,699	13	5			
				£29,474	3	2			
Balance .. .. .									
Salaries: Administration .. .. .	8,110	5	4						
Farm wages .. .. .	3,448	9	10						
Maintenance wages .. .. .	1,197	16	7						
Domestic wages .. .. .	1,539	5	1						
							14,295	16	10
Staff Benefit Fund .. .. .							71	12	1
Student maintenance .. .. .							1,435	2	10
Interest on—									
Overdraft .. .. .							185	9	3
Rattray's mortgage .. .. .							87	10	0
Travelling-expenses .. .. .							670	10	8
Rates .. .. .							211	4	3
Insurance .. .. .	212	1	11						
Less rebate .. .. .	31	13	2						
							180	8	9
Laboratory—									
Materials .. .. .							326	0	3
Equipment .. .. .							149	12	4
Stationery and advertising .. .. .							310	1	9
Bursaries allowance: Students .. .. .							149	14	1
Books .. .. .							36	17	8
Telephones and postages .. .. .							238	5	8
Railage and cartage .. .. .							232	7	6
Light and power .. .. .							431	9	3
Legal expenses .. .. .							63	15	3
Petty cash .. .. .							100	0	0
Entertainment .. .. .							74	19	9
General expenses .. .. .							249	7	5
Permanent improvements .. .. .							398	8	9
Audit fee .. .. .							52	6	3
Sundry College charges—									
Furnishings .. .. .	395	3	5						
Repairs to building .. .. .	226	14	11						
Library .. .. .	475	11	6						
Prizes .. .. .	40	7	6						
Repairs to furniture .. .. .	2	19	6						
Utensils .. .. .	80	4	11						
General College expenses .. .. .	22	6	7						
							23	8	8
Orchards and gardens .. .. .	94	15	7						
Less receipts .. .. .	71	6	11						
							1,266	17	0
Sundry farm expenses—									
Sheep .. .. .	1,594	1	2						
Horses .. .. .	38	0	0						
Cattle .. .. .	358	15	0						
Poultry .. .. .	13	18	6						
Pigs .. .. .	22	4	6						
Fodder .. .. .	196	3	1						
Manures .. .. .	438	17	1						
Repairs, plant, and machinery .. .. .	228	4	2						
Farm fuel .. .. .	212	4	5						
Board and meals .. .. .	118	9	2						
Sacks and woolpacks .. .. .	219	6	1						
Saddlery .. .. .	211	9	3						
Seed .. .. .	216	9	1						
Stud fees .. .. .	13	5	0						
Machinery and replacements .. .. .	71	15	7						
Subscriptions to breeding-societies .. .. .	33	11	3						
Workshops .. .. .	98	14	9						
Architect fees .. .. .	46	19	0						
Farm tools .. .. .	139	8	2						
Subterranean clover expenses .. .. .	17	6	6						
							4,289	1	9
							£29,474	3	2

## STATEMENT OF INCOME AND EXPENDITURE.

	Expenditure.				Income.		£ s. d.	
	£	s. d.	£	s. d.				
Salaries—					Balance transferred from Farm Income and Expenditure Account			1,638 14 2
Administration .. .. .	1,660	6 10			Grant: New Zealand School of Agriculture			9,000 0 0
Administration: Lecturers and research .. .. .	6,382	17 6			Board .. .. .			59 12 5
			8,043	4 4	Donations—			
Domestic wages .. .. .			1,538	15 1	General .. .. .			7 2 0
Maintenance wages .. .. .			1,004	9 9	Research .. .. .			65 0 0
Audit fee .. .. .			52	6 3	Exchanges .. .. .			0 5 1
Bad debts .. .. .			32	13 7				
Benefit Fund contribution .. .. .			38	13 1				
Entertainment .. .. .			62	10 3				
General College expenses .. .. .			40	19 11				
Interest on overdraft .. .. .			149	3 3				
Insurance .. .. .			180	8 9				
Laboratory materials .. .. .			286	4 11				
Legal expenses .. .. .			60	6 9				
Light and power .. .. .			432	1 3				
Postage and telephone .. .. .			245	2 10				
Prizes and certificates .. .. .			17	7 6				
Rates .. .. .			76	3 0				
Railage .. .. .			205	18 7				
Repairs—								
Building .. .. .			215	15 6				
Furniture .. .. .			0	18 6				
Stationery, printing, and advertising .. .. .			375	4 0				
College Scholarship Account .. .. .			46	1 2				
Architects' fees .. .. .			46	19 0				
Travelling-expenses .. .. .			647	12 8				
Students' books .. .. .			9	14 10				
Depreciation .. .. .			1,654	1 11				
Students' maintenance .. .. .			2,606	17 8				
			£18,069	14 4				
								£18,069 14 4

## BALANCE-SHEET AS AT 31ST DECEMBER, 1938.

Liabilities.				Assets.		£ s. d.		£ s. d.	
£	s. d.	£	s. d.						
Accumulated Fund .. .. .	157,789	7 5		Land—					
Transfer of Government grants .. .. .	19,483	5 0		College .. .. .	51,985	0 0			
				Endowment lands .. .. .	57,181	1 9			
Plus special grant from School of Agriculture for reduction of overdraft .. .. .	117,272	12 5		Hakataramea .. .. .	2,767	8 0			111,933 9 9
Ashley Dene sheep previously omitted from stock .. .. .	1,728	0 0		Buildings—					
				College .. .. .	44,955	9 9			
				Hakataramea .. .. .	1,600	0 0			
				Improvements .. .. .	457	12 4			
				Less depreciation .. .. .	47,013	2 1			45,837 15 7
				Furniture and fittings .. .. .	1,693	17 10			
				Less depreciation .. .. .	81	3 5			1,612 14 5
				Utensils .. .. .	991	18 8			
				Less depreciation .. .. .	49	12 0			942 6 8
				Plant and machinery .. .. .	2,363	12 7			
				Less depreciation .. .. .	247	17 10			2,115 14 9
				Laboratory equipment .. .. .	804	16 9			
				Less depreciation .. .. .	80	9 8			724 7 1
				Library .. .. .	821	6 2			
				Less depreciation .. .. .	267	10 4			553 15 10
				Mortgage: D. Hunt .. .. .					7,500 0 0
				Inscribed stock—					
				Wroford Reed .. .. .	100	0 0			
				Osborne .. .. .	505	0 0			
				Bledisloe .. .. .	100	0 0			705 0 0
				C.A.C. Endowment Trust—					
				Inscribed stock .. .. .	645	0 0			
				No. 2 Account, Bank of New South Wales .. .. .	1,273	18 3			1,918 18 3
				Live-stock—					
				Horses .. .. .	443	0 0			
				Sheep .. .. .	5,757	7 6			
				Pigs .. .. .	102	18 0			
				Poultry .. .. .	48	19 0			
				Cattle .. .. .	744	0 0			7,096 4 6
				Wool .. .. .					800 0 0
				Crops .. .. .					3,396 5 0
				Crops on consignment .. .. .					224 11 9
				Students' books .. .. .					61 11 1
				Stationery .. .. .					53 1 6
				Provisions: Stock .. .. .					60 0 0
				Student debtors .. .. .					421 7 6
				Sundry debtors .. .. .					2,605 13 10
				Sub. Clover Account .. .. .	974	15 4			
				Less grant received to 31st December .. .. .	500	0 0			474 15 4
				Rates paid in advance .. .. .					52 16 0
				Accrued items—					
				Interest .. .. .	54	18 10			
				Rent .. .. .	876	3 0			931 1 10
									£190,021 10 8
									£190,021 10 8

Approximate Cost of Paper.—Preparation, not given; printing (860 copies), £70.