

REPORT OF THE PRESIDENT  
OF THE UNIVERSITY OF BRITISH COLUMBIA  
FOR THE ACADEMIC YEAR ENDING  
AUGUST 31st., 1931.

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THE REPORT OF THE PRESIDENT.

To the Board of Governors and  
the Senate of the  
University of British Columbia.

Gentlemen:-

I have the honour to submit the following report  
on the work of the University for the academic year ending  
August 31st., 1931.

TEACHING STAFF:

Deans and Heads of Departments	3.
Professors and Heads of Departments	20.
Professors	17.
Associate Professors	30.
Assistant Professors	22.
Dean of Women and Assistant Professor	1.
Instructors	15.
Assistants	37.
Research Assistants	9.
Honorary Lecturer	1.
Lecturer (Veterinary Science)	
(Part-time)	1.
Lecturers in Public Health	
(Part-time)	14.
Lecturers in Social Service	
(Part-time)	3.
Lecturers in Teacher Training	
(Part-time)	5.
Lecturers in Commerce	
(Part-time)	3.
<u>Substitutes</u> for members on leave	2.

PROMOTIONS:

Mr. H. F. Angus, B.A., B.C.L., M.A., from Professor in the Department of Economics, Sociology and Political Science to Professor and Head of the Department; D.G. Laird, B.S.A., M.S., Ph.D., from Assistant Professor of Agronomy to Associate Professor of Agronomy; John Allardyce, M.A.(Brit.Col.), Ph.D. (McGill), from Instructor to Assistant Professor of Chemistry.

NEW APPOINTMENTS:

Miss Gertrude M. Smith, B.A., M.A., Assistant Professor of Zoology; Mr. Martin A. Peacock, Ph.D., Assistant Professor in Geology; Mr. E. Owen, M.A., Assistant Professor in Classics; Mr. Britton B. Brock, B.A.Sc., Instructor in Civil Engineering; Mr. Edward S. Pretious, B.A.Sc., Instructor in Civil Engineering; Mr. D. G. Gillespie, B.Sc., Instructor in Physical Education (Teacher Training Course).

LEAVE OF ABSENCE:

William E. Duckering, A.B., B.S., C.E., Professor and Head of Department of Civil Engineering, for one year from September 1-1930.  
 George M. Weir, B.A., M.A., D.Paed., Professor and Head of Department of Education from January 1-1931 to April 30-1931.  
 Miss Dorothy Dallas, B.A., M.A., Instructor in French, for one year from September 15-1930.  
 Miss Wessie Tipping, B.A., M.A., Instructor in French, for one year from September 15-1930.

RESIGNATIONS:

Theodore H. Boggs, M.A., Ph.D., Professor and Head of the Department of Economics, Sociology and Political Science;  
 D.C. Harvey, B.A., M.A., Professor and Head of the Department of History;  
 William E. Duckering, A.B., B.S., C.E., Professor and Head of the Department of Civil Engineering;  
 John C. Oliver, B.A., B.A.Sc., Instructor in Civil Engineering.

The University buildings were planned to accommodate fifteen hundred students. This number was exceeded in the fall of 1927, and every year since that date the lack of adequate classroom, laboratory, library and office space has become increasingly evident. During the year under review, the congestion became so great that the Board of Governors instructed the President to make a survey of the situation and to submit a report thereon. The data on which his report was based were collected by the Deans of the Faculties in consultation with the Heads of Departments. The survey showed that many of the classes were being conducted under very unfavourable conditions, notwithstanding the many minor adjustments that had been made during previous years to increase the lectureroom and laboratory accommodation. In certain of the Departments the quality of the instruction was adversely affected as the result of overcrowding and the consequent adoption of less effective methods of teaching. In other Departments the number of students enrolled in some of the courses far exceeded the number of seats available, - a condition which continued to exist even after these classes had been divided and sub-divided into from eight to fourteen sections.

In the laboratories the congestion was as serious as it was in the classrooms. Here, too, the number of students in the upper years was increasing and the limited locker space could not be made to do additional duty. Furthermore, in the opinion of many, this congestion constituted a serious fire hazard. In this opinion, however, the Provincial Fire Warden did not concur.

When the limits of economical adjustments were reached in the utilization of space, in the re-arrangement of the time-table, and in the imposition of heavier teaching loads on the professorial staff, the Board of Governors decided to include in the supplemental estimates items of capital expenditure sufficient to meet the more urgent building requirements of the University. When these estimates together with the memoranda on which they were based, were submitted to the Honourable the Minister of Education, he expressed his willingness to meet with the Board of Governors and with the Senate for the purpose of considering the more important questions which the memoranda of the Governors had raised. At these meetings, the Minister stated that it was not possible for the Government to provide the accommodation requested. This being so, he suggested that some form of limitation of attendance be adopted which would ensure that the number of applicants granted admission to the University would not exceed the number for which the Board of Governors could provide the accommodation, equipment, and professorial staff requisite for proper instruction and essential to the efficient conduct of the University.

Following the amendment of the University Act whereby authority to determine the basis of limitation was vested in the Board of Governors, and following the reduction in the legislative grant to the University, the Board fixed the maximum First Year registration for the 1931-32 session at five hundred students in Arts and Science and in Agriculture, and at fifteen in Nursing and Health.

The Board of Governors then appointed a Committee of Faculty to draw up rules and regulations governing the admission of First Year students for the following academic year. The report of this Committee, as amended and adopted by the Board of Governors, is as follows:

"The number of First Year Students in the Faculty of Arts and Science and the Faculty of Agriculture is limited to 500. The number of First Year Students in Nursing and Health is limited to 15.

Candidates will be admitted in order of the following categories and in order of merit in each category.

All applications for admission must be in the hands of the Registrar on or before Saturday, August 29th, 1931. Blank forms may be obtained from the Registrar's Office.

1. Candidates who have obtained 60% or over in the complete British Columbia Junior Matriculation Examinations

Candidates who have obtained 60% or over in the complete British Columbia Junior Matriculation Examinations in June 1931 but who have supplementals, will be allowed to register provisionally.

(Note: The average in this as in all categories will be determined by taking the mark obtained in the first examination written in each subject.)

2. Candidates, not exceeding 50 in number, who come from districts in which Senior Matriculation is not offered, but who have obtained between 50% and 60% in the British Columbia Junior Matriculation Examinations.

3. Candidates other than those admitted under 2 hereof who have obtained between 55% and 60% in the complete British Columbia Junior Matriculation Examinations.

4. Candidates who have failed to make a complete pass in the First Year of The University of British Columbia or the British Columbia Senior Matriculation Examinations but who have obtained at least 9 units of University credit.

5. All other candidates with British Columbia Junior Matriculation or equivalent.

6. Candidates who have attempted full First Year, University of British Columbia, or full British Columbia Senior Matriculation, but who have obtained University credit for less than 9 units.

7. All other candidates.

Note: Candidates who have obtained exceptionally good Matriculation standing in examinations other than those of this Province will be given consideration."

The heavy cut in the grant to the University resulted in drastic reductions in the appropriations to all Faculties and Departments. Several vacancies in the professorial ranks were left unfilled, and the staff of teaching and laboratory assistants was considerably reduced. As a result of this reduction, certain courses were discontinued, others were suspended, and still others were added to the list of those which were offered only in alternate years. Further, the number of options was reduced and the registration in certain of these was limited. Research work was adversely affected in all Faculties.

The reduction in the legislative grant also necessitated an increase of \$25.00 per session in the tuition fees for undergraduate students. The adoption of this policy, in so far as it affected the more capable students was offset, in a measure at least, by the establishment on the part of the Government of a generous scholarship fund which is administered by the Lieutenant-Governor-in-Council for the benefit of students of ability who, on account of lack of means, would otherwise be unable to attend the University.

The adoption of the policy of limitation is the outstanding event of the academic year.

All of which is respectfully submitted,

L.S.Klinck,  
President.

December 12th, 1931.

REPORT OF THE REGISTRARREGISTRATION:

	<u>Women</u>	<u>Men</u>	<u>Total</u>
<u>FACULTY OF ARTS and SCIENCE:</u>			
First Year .....	222	359	581
Second Year .....	167	210	377
Third Year .....	150	138	288
Fourth Year .....	143	105	<u>248</u>
			1494
<u>FACULTY OF APPLIED SCIENCE:</u>			
Second Year .....	1	104	105
Third Year .....	-	73	73
Fourth Year .....	-	54	54
Fifth Year .....	-	49	<u>49</u>
<u>FACULTY OF APPLIED SCIENCE (NURSING):</u>			
First Year .....	17	-	17
Second Year .....	6	-	6
Third Year .....	6	-	6
Fourth Year .....	5	-	5
Fifth Year .....	7	-	7
			41
<u>FACULTY OF AGRICULTURE:</u>			
First Year .....	-	15	15
Second Year .....	-	14	14
Third Year .....	-	3	3
Fourth Year .....	1	9	10
Partial .....	1	7	<u>8</u>
<u>GRADUATES:</u>			
Faculty of Arts and Science .....	32	54	86
Faculty of Applied Science .....	-	8	8
Faculty of Agriculture .....	1	12	<u>13</u>
<u>TEACHER TRAINING COURSE:</u> .....	49	22	<u>71</u>
			71
	<u>T O T A L</u> .....		<u>2044</u>



Classification and Enrolment of Students  
who are not taking the full Undergraduate Courses.

	<u>Women</u>	<u>Men</u>	<u>Total</u>
Summer Session, Arts and Science (1930) (Degree Course) .....	219	236	455
Extra-Sessional Classes (Degree Course) .....	22	83	105
Social Service (Diploma Course).....	9	1	10
Public Health Nursing (Diploma Course).....	12	-	12
Occupational Course in Agriculture (Diploma Course).....	-	10	10
Short Courses in Agriculture.....	68	148	216
Evening Class in Botany .....	27	21	48

NATIONALITY OF THE STUDENTS:

The great majority of students, as in previous years, are of British origin, although many other nationalities are represented. According to the number of students enrolled, the order of the principal groups, exclusive of those who are registered in the Teacher Training Course, is as follows: American, Russian, Hebrew, Japanese, Swedish, Italian and Chinese.

While the cities of Vancouver, Victoria and New Westminster continue to send a large number of students to the University, the steadily increasing enrolment from many widely separated centres in the Province is very gratifying. Other provinces and other countries continue to send students in numbers proportionate to previous years. The following tabulated summary indicates, in a general way, the geographical areas from which our students are drawn:

(a)	Vancouver .....	1250
(b)	Victoria .....	128
(c)	New Westminster .....	110
(d)	Other provincial points .....	477
(e)	Other provinces .....	42
(f)	Other countries .....	37
	T o t a l ..	<u>2044</u>

#### OCCUPATIONS OF PARENTS:

A study of the records of the occupations followed by the parents of the students indicates that, while the mercantile agricultural, and professional groups predominate, no important profession, trade or calling is without representation. The following figures indicate the relative representation from a few of the larger groups:

Merchants .....	112
Farmers .....	111
Doctors .....	74
Railroad Employees .....	66
Professional Engineers .....	53
Lawyers .....	45
Clergy .....	39

COMPARATIVE STATEMENT OF ATTENDANCE AT THE UNIVERSITY

1928-29 to 1930-31.

Session	Arts and Science	Applied Science	Nursing	Agriculture	Teacher Training Course	Total Winter Session	Summer Session	Short Courses	Grand Total
1928-29	1316	259	41	52	62	1730	402	220	2352
1929-30	1486	266	35	50	67	1904	427	279	2610
1930-31	1580	289	41	63	71	2044	455	401	2900

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DEGREES CONFERRED

<u>Year</u>	<u>B.A.</u>	<u>B.Com.</u>	<u>1929 to 1931.</u>		<u>B.A.Sc. Nursing</u>	<u>M.S.A.</u>	<u>B.S.A.</u>	<u>Total</u>
			<u>M.Sc. or M.A.Sc.</u>	<u>B.Sc. or B.A.Sc.</u>				
1929	160	-	1	31	6	1	9	223
	34	-	-	5	-	1	1	42
1930	175	1	1	27	6	1	7	228
	24	-	-	3	-	1	1	31
1931	211	14	2	39	7	2	13	308

LOCATION OF THE GRADUATES:

Number in Vancouver .....	1149
Number in other parts of British Columbia..	613
Number in other Provinces of Canada .....	113
Number in United States of America .....	166
Number in British Isles .....	19
Number in Australia .....	1
Number in India .....	1
Number in South Africa .....	4
Number in France .....	4
Number in South America .....	2
Number in China .....	4
Number in Japan .....	8
Number in other countries .....	5
Number deceased .....	33
Number whose address is unknown .....	183

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2305

SCHOLARSHIPS, FELLOWSHIPS and BURSARIES AWARDED TO GRADUATES

During the year many scholarships, fellowships and bursaries have been won by graduates of the University. The following list does not include awards which have been made in The University of British Columbia:

<u>Name</u>	<u>Award</u>	<u>Value</u>	<u>Subject</u>	<u>Where Tenable</u>
Anderson, Elmer O.	Teaching Fellowship	\$750	Physics	Univ. of California
Blakey, Dorothy	Travelling Scholarship Canadian Federation of Univ. Women	1250	English	Univ. of London
Campbell, Mildred H.	Research Council Studentship	750	Zoology	
Fisher, Mary Jean	Special Open Fellowship (and tuition)	500	Math.	Toronto Univ.
Fleming, R.H.	Research Assistant	1200	Chemistry	Univ. of California
Graham, Roy	Fellowship	500	Geology	Univ. of Chicago
Grant, Donald B.	H.R. MacMillan Scholarship	1000	Economics	Orient
Gibson, James A.	Rhodes Scholarship (3 yrs.)	1200	History	Oxford
Gray, Kenneth R.	National Research Council Bursary	750	Chemistry	
Hart, Josephine F.L.	National Research Council Bursary	500	Zoology	
Hebb, Malcolm H.	Teaching Fellowship	800	Physics	Univ. of Wisconsin
# Itter, Stuart	Research Fellowship	(700)	Chemistry	John Hopkins Univ.
Itter, Stuart	Research Fellowship	900	Biochemistry	Washington.
Laing, Lionel H.	University Fellowship	550	History	Harvard University.
McPhail, Murchie K.	Research Council Studentship	750	Zoology	
# Marshall, H. Borden	Scholarship	(750)	Chemistry	Stanford University.
Marshall, H. Borden	National Research Council Bursary	750	Chemistry	
More, Kenneth R.	Teaching Fellowship	750	Physics	Univ. of California.
Morley, Frank S.	I.O.D.E. Fellowship	1600	History	Edinburgh.
Munn, Russell R.	Scholarship, Library School	1000		Columbia Univ.
Ormsby, Mac	Fellowship	860	History	Bryn Mawr
Poole, Al R.	Assistantship	750	Math.	California Institute of Technology.
Stevenson, S.	Teaching Fellowship	800		Massachusetts Inst. of Technology.
Warren, Ha I.	Commonwealth Fund Fellowship (3yr.)	3000	Geology	California Institute of Technology.
Williams, H.	National Research Council Fellowship (2 yrs.)			Univ. of Chicago.
#Not a Value	ed. scholarships, fellowships, and bursaries won by our graduates in other Universities and in Institutes in 1931 .....			\$21,610.00
Total	of scholarships, fellowships, and bursaries won by our graduates in other Universities and in Institutes since the first awards were made in 1917 .....			\$427,750.00

S.W. Mathews,  
Registrar.

REPORT OF THE DEAN OF THE FACULTY OF  
ARTS AND SCIENCE.

Changes in Courses.

There were few changes in courses in the session 1930-31. About the only changes were those in connection with the Commerce Course. A course in Economic Geography was added as an obligatory subject in the Second Year. The temporary arrangement, pending an appointment in Geography, to have the course given by the Department of Economics but controlled (nominally) by the Department of Geography is working harmoniously. Mathematics 3 (Mathematics of Finance) previously given only in alternate years was likewise made an obligatory subject in Second Year Commerce and now has to be offered every year. This is a large class and a considerable amount of extra work is involved in giving the class each year.

Changes in Passing Mark.

The passing mark for Junior Matriculation was raised from a 40 per cent. minimum and average of 50% to the same minimum with an average of 60% or, as before, 50% in each subject. This rule will come into operation in June 1932. No change was made in Senior Matriculation inasmuch as the passing mark there would necessarily have to be the same as in First Year Arts. It is anticipated that in the near future, the passing mark in both the First and Second Years will be raised to a straight 50% in each subject.

Researches and Publications.

Attention is directed to the researches and publications of the various departments, details of which are submitted elsewhere. These researches were carried out by instructors who all carried a full teaching load and several in addition had the many administrative tasks incident to running a Department or serving on the increasing numbers of committees. Attention is also directed to the many outside lectures given by the staff, the details of which are to be found in the Report of the Extension Committee.

Exchange Students.

During the session the University had two Exchange students from the East, Miss Catherine Fish and Miss Althea Banfield. Both are from the University of Toronto. British Columbia did not send any students under the Exchange scheme this year.

Withdrawals at Christmas.

The following numbers were asked to withdraw because of their poor standing at the Christmas examinations:

	<u>First Year</u>	<u>Second Year</u>
Total in Year	547	374
Number withdrawing	24	9

This was a much better showing than the previous year when the results were:

	<u>First Year</u>	<u>Second Year</u>
Total in Year	587	350
Number withdrawing	58	14

The minimum mark required has been the same for several years, a total of 40%.

At the opening of the session each year I send a circular letter to the parents of all the First Year students pointing out the pitfalls into which the unwary students invariably fall. The "new freedom" from the constant supervision of the High School leads too many to start too late to "get down to work", and the new environment affords too many avenues for activities which are not always academic or curricular. The parents are particularly urged to exercise a restraining control over the "social activities" of their offspring partially committed to the care of the State for educational purposes. It is also suggested that the students in their homes be given time to study and a place where the distractions of modern inventions will not frustrate a diligent effort to acquire the art of concentration.

In spite of this paternal advice to parents, mirabile dictu, I have not yet received any letters which contain anything but offers of heartiest cooperation nor have I as yet seen any adverse comments either in the "Common Round" or in "Letters to the Editor" of the Sunday Province concerning my paternal appeal.

Mid-term examinations are held about the end of October for all First Year students. In certain cases standings at mid-term are based upon weekly tests, laboratory exercises, etc. All failures (under 50%) are reported to my office. If a candidate fails in three or more of the five subjects, a note is sent to the parent stating this fact. The student is called into the Dean's office - somewhat of an ordeal for both concerned. In the majority of the interviews I have had with First Year students I found that a little encouragement was more effective than much chiding.

During the year the Fraternities and the Students' Council contributed effectively in reducing the "wastage" at Christmas. "Rushing" now is not permitted during the Fall term but only after the Christmas examinations. While probably not many students were affected by "rushing", those who were "rushed" were much affected. The inauguration and enforcement of eligibility rules for participation in sports have acted as a deterrent along physical lines and a stimulus along mental lines to those whose physical development seems to be outstripping their mental achievement.

#### Accommodation

Many of the classes during the session were filled to overflowing. This was particularly true of Biology 1, English 2, Chemistry 2, and certain courses in Commerce, to specify only a few. Limitation in numbers, either in certain years as a whole or in certain subjects is a physical necessity with the present accommodation, staff and equipment.

#### Graduate Facilities.

Increasing numbers of candidates are presenting themselves for graduate work. In certain Departments where Assistantships are available candidates usually take two years to complete the work for the Master's degree. The great majority of our M.A. students proceed to postgraduate work elsewhere usually with scholarships. Their achievements in the Graduate schools of Eastern Canada, United States, Great Britain, France and Germany bring great credit to the University of British Columbia. With the necessary curtailment in assistantships there will no doubt be a diminution in the numbers of graduate students in future.

Lack of space in the Library and a diminution in the Book appropriations seriously hamper graduate work in those Departments for which the Library is the laboratory.

Respectfully submitted,

D. Buchanan,  
Dean.



REPORT OF THE DEAN OF THE FACULTY OF  
APPLIED SCIENCE.

- I. The General Policy of the Faculty outlined in the Calendar for Applied Science remains unchanged.

The higher standard of scholastic attainment required for entrance into Applied Science has been put into effect. It is hoped that this will reduce the failures in Second Year Applied Science, and also keep down the number of students to what can be handled properly by our present accommodation and staff.

The policy of gradual improvement of equipment that has been followed to the present has been replaced for reasons of economy by an endeavour simply to maintain our present degree of efficiency.

It is obvious that the closest possible touch should be maintained between the departments and the industries. It is gratifying to note that this intimate relationship is developing. An improvement in this respect is marked in Forestry.

2. New Courses.

A field trip has been introduced in Forestry and several new courses have been introduced in Electrical and Mechanical Engineering. The Double Course in Nursing leading to the degree of B.A. and B.A.Sc. inaugurated this year gives promise of fulfilling the purpose for which it was instituted, explained in the report for last year.

3. More Important Changes in Courses.

In general courses are modified gradually in accordance with developments in the science or the demands of industry and art. Often it is merely a change in emphasis placed upon the various aspects of the subject.

There is a growing emphasis upon principles and the economic factors and less and less upon technique. The latter is too changeable, and too readily acquired outside the University, to be worth much time within it.

Forestry 10 has been strengthened by adding a half unit.

Mining 6 has been altered from a course in Mining draughting to one of designing, reading and seminar. The new magnetic separator has enabled magnetic separation to be added to the course in ore-dressing.

In Nursing and Health progress has been made in incorporating short courses, given by outside lecturers into long courses given by the permanent staff, and in the substitution of regular courses in other departments for special courses for Nursing students.

4. On account of insuperable time-table difficulties Economics I has been dropped from the course in Geological Engineering. As explained in the preceding paragraph, several short courses for nurses have been dropped.

5. (a) Including first year science students, enrolled in First Year Arts, about 450 students are in attendance for Applied Science work.

The distribution of students in the various departments for the last three years is shown in the following table:-

Registration by Departments

<u>Department</u>	<u>Fourth Year</u>			<u>Fifth Year</u>		
	<u>'28-29</u>	<u>'29-30</u>	<u>'30-31</u> /	<u>'28-29</u>	<u>'29-30</u>	<u>'30-31</u>
Chem. Eng.	4	3	9	6	5	4
Chemistry				1		
Civil Eng.	3	6	5	6	2	5
Elect. Eng.	13	13	13	9	10	7
Mech. Eng.	7	16	12	3	6	14
Forest Eng.	1	4	2	3	1	5
Geolog. Eng.	8	8	2	2	8	5
Mining Eng. )						
Metall. Eng. )	8	6	11	3	2	7
Nursing	7	8	5	6	6	7

While the number of students in a Department to some extent reflects the state of the industry a couple of years earlier, a certain degree of stability in the distribution of students seems to have been reached, if one groups together Electrical and Mechanical: and Geology, Mining and Metallurgy. Within each of these groups the students pass freely from one branch to the other apparently according to the relative demands of industry for graduates in each.

(b) Chemical Engineering is once more attracting students in numbers and is feeling the lack of accommodation for senior students.

Space needs of Electrical, Mechanical and Civil Engineering were stated in last year's report. An office for the Assistant to the Dean has been arranged in the dark store-room 219. While unsatisfactory, it does make it possible for him to work with a student undisturbed.

(c) The Machine Shop in Mechanical Engineering has become an asset to the University, and it is now possible to manufacture some of the equipment needed in the University.

The small Machine Shop in the Mining Laboratory is now supplying some of the Department needs.

(d) The training furnished by the courses Civil 30 and 31 which Professor Duckering was brought here to install, is making itself felt throughout the Faculty.

An improvement in the English of the students particularly in their essays and theses is already noticeable as the result of the work done by Mr. Ker. This experimental work is giving promise of success.

(e) The beneficial result of a higher standard for entrance into Applied Science seems to be shown by the drop in failures in the Second Year. This year the total failures were thirty-two against fifty-two the preceding year in classes of about the same size. The preceding year forty failed at Christmas and twelve at the spring examination. This year for several reasons only sixteen were dropped at Christmas, with the result that the spring failures rose to sixteen.

(f) Mention should be made of the good work done by the student societies, the Chemical Society, the Forest Club, the

Student Branch of the Engineering Institute of Canada, the Radio Club and the Dawson Geological Discussion Club. These give them training in preparing and delivering papers and debating, and enable them to meet and listen to outside men who are engaged in professional work. They are brought into close contact with their professors, with one another and with leaders in the professions and industries. They all seem to be in a healthy condition.

Respectfully submitted,

R.W.Brock,  
Dean.

REPORT OF THE DEAN OF THE FACULTY OF AGRICULTURE.

The year just closed has been marked by a definite curtailment of activities, especially in the field experiments. For the past five months the Faculty has been operating on a basis of approximately \$100,000.00 per annum for current expenditure. This compares with about \$129,500.00 for the previous year. Consequently, all development work has been brought to a standstill.

Outside Activities Curtailed.

The reduction in the legislative grant necessitated curtailment in all Departments to the point where certain materials necessary to effective teaching are no longer available.

In the Departments of Agronomy and Horticulture, very limited plantings were made this year. All crops in the ground and all perennial crops were given as much attention as funds would allow. Due to the shortage of labour, the Department of Horticulture found it impossible to harvest, dry, sort and replant about one-half acre of home grown tulip bulbs of popular varieties. In all Departments, areas of ground which previously had been cultivated have been seeded to grass and clover.

Men Retired.

Regret is expressed at the necessary retirement of eleven trusted employees in the outside Departments. Some of these men have found it necessary to seek unemployment relief. Regret is also expressed at the necessary retirement of two members of the inside staff. Both of these men had given more than eight years of service to the University of British Columbia and both of them had served in the forces overseas.

Researches in Relation to Teaching.

With the exception of those projects that are being brought to a conclusion, all researches now under way have a direct relation to teaching.

Undergraduate Registration.

It may be of interest to note that even though in the minds of the public the future of the Faculty was uncertain for

some months, the registration in undergraduate work promises to be maintained. A number of British Columbia matriculants have registered in Agriculture in eastern institutions; but, in spite of this, the prospects for registration for next year are particularly bright. Several students now doing senior matriculation work have expressed their intention of registering in the Faculty of Agriculture.

#### Post-Graduate Registration.

It is very gratifying to note that the number of students registering for post-graduate work is increasing steadily. Men of experience and accomplishment who have been working on the Experimental Farms and in technical branches of the Civil Service are among those registered.

#### Agriculture in the High Schools.

During the year Agriculture has been recognized by the Department of Education as a subject of Senior Matriculation. Manuals for Agriculture 1, 2 and 3 of the High Schools have been prepared and printed by the Department of Education. This appears to be a milestone in the history of agricultural education in this Province. Even though Agriculture has been recognized as a subject in the High School Course of Study, no provision has been made to date for the training of teachers to give instruction in it; nor are graduates in Agriculture who have completed the Teacher Training Course granted the Academic Certificate. These steps are advisable if marked progress is to be made in agricultural education.

#### Assisted Researches.

The work on "Poultry Paralysis," with assistance from the National Research Council, has been continued. Some progress has been made. The work on "Feed Flavours", with assistance from the National Research Council, has been brought to a conclusion. The report is being submitted to Ottawa. The work on "Cheese Ripening", under the Empire Marketing Board, has been vigorously prosecuted. The Powell River Company renewed its grant for pulp and paper research. The findings to date have warranted a further extension of the grant into the coming year.

#### Alfalfa Improvement.

The years of work with alfalfa have brought gratifying results. We now have scores of alfalfa plants that spread by

underground root stocks. However, the multiplication and distribution of these plants is not possible with our present appropriation. Consequently, further action with regard to this project must be left in abeyance.

The Farm Survey.

The intensive study of farms has been continued. We now have business records on more than 400 farms for a period of ten consecutive years. These data are the basis of the teaching work in Farm Management, and also in Agricultural Economics A. It is hoped that some means will be found by which this work can be continued; and, further, that provision will be made whereby these valuable data may be compiled, interpreted and published for the information of the farmers of the Province.

Respectfully submitted,

F.M. Clement,  
Dean.

REPORT OF THE DEAN OF WOMEN.

As Dean of Women I beg to submit the following report of the work in my Department for the year 1930-1931. As usual, this report must be somewhat general and informal in character and may be summed up under the following general headings: Academic, Housing, Student Organizations, Employment, Social, Vocational, General; and as usual, since the Dean of Women cannot strictly be said as yet to have a department, I must report on my own personal work.

ACADEMIC: As a member of the Department of English I taught a class of women students.

In connection with the work and general interests of the women students, I was consulted on the average each month by something over 250 persons - students, parents and professors.

HOUSING: I inspected boarding houses for out-of-town students, advised regarding the housing of the women students and of a number of the men, kept closely in touch with house-holders to ensure that, as far as possible, the discipline and conditions of a well-conducted home prevail in their houses.

STUDENT ORGANIZATIONS: As Honorary President of the Women's Undergraduate Society and the Literary Forum and as faculty representative on the Panhellenic Council, I attended meetings, advised in the arrangement of programs and in other matters, and at the request of the student organizations, addressed eighteen of their meetings. The experiment initiated by the sororities, of "bidding" through the office of the Dean of Women, has gone beyond the stage of experiment and has reduced the friction inseparable from the bidding period, to a minimum. A revision of the Constitution of the Panhellenic Council will reduce still further the weak features of the sorority system. In spite of all possible effort, however, I am increasingly convinced that the disadvantages of the fraternity life in our University greatly outweigh the advantages both in number and in kind and that the opposition to the system so frequently expressed on our own campus and in other universities is well founded.



EMPLOYMENT: Requests for assistance in procuring part time employment during the academic year and full time during the vacation were almost twice as many as during any previous year. Unfortunately, work was obtainable in inverse ratio. However, positions were secured for a number of students who gave light services for room and board, took care of children, tutored backward or delicate children, and who performed other services by which they earned the whole or part of their way through college. A number of girls were placed also in the summer hotels and camps, in housework, in stores, in the Y.W.C.A. and in other work which made possible their return to the University.

SOCIAL: In the capacity of chaperon I attended the majority of the functions organized by the students under the name of the University and was consulted by them in their preparations. I may be permitted in this connection to quote from my report to you last year, "Complaints are voiced, sometimes, about the excessive social life in our University, but, as a matter of fact, there are more unsocial or socially inexperienced girls than oversocial. A special effort has been made to interest such girls in one of the student activities, and also to bring them together under conditions which will break down the inhibitions caused by timidity, super-sensitiveness, lack of money and other causes. It need not be recorded that due care has been taken in this connection not to encroach upon the study time of the students concerned."

At Thanksgiving and at Christmas, arrangements were made that all the out-of-town women students who could not go home had an invitation for part of the vacation from some place in the city. In this work I was assisted by the Convener of the Student Welfare Committee of the Faculty Women's Club and by the President of the Women's Undergraduate Society.

I kept in touch with students who were ill, or in financial or other distress.

I assisted also in securing loans for women students and placed gifts of money, clothing and text books from the University Women's Club, McGill Women's Association and other sources with deserving students who were not entirely successful in their efforts to earn their way through, and others who were unexpectedly in need.

VOCATIONAL: Much time was spent in discussing with parents and in advising students regarding the choice of vocations, giving them literature, information regarding the number of openings, the necessary preparation and where it can be obtained, the demands of the work, the financial and other rewards, the promotional

possibilities, etc.

**GENERAL:** During the year I served on the Committee of the National Council of Education and on the National Executive of the Canadian Federation of University Women, and the Executive of the Pan-Pacific Women's Association.

I attended the meeting of the National Association of Deans of Women held in Detroit and on the return journey delivered addresses to University Women's Clubs and Women's Canadian Clubs in Toronto, Winnipeg, Regina and Calgary. I attended also as head of the Canadian delegation the second conference of the Pan-Pacific Women's Association held in Honolulu.

I addressed also some 17 meetings in Vancouver and nearby places, including Bellingham, Tacoma and Portland.

Among the interesting women who as Dean of Women I entertained last year may be mentioned the party of British Head Mistresses; Miss Neurotsos of Oxford; Miss Law of the National Committee of the Y.W.C.A., New Zealand; Miss Kaufman, General Secretary of the Y.W.C.A., Tokyo; Miss Laila Scott of Trinity College, Toronto and President of the Canadian Federation of University Women, and Miss Dodd, Dean of Women, of the University of Alberta.

A few of the events of interest among the women students during the last year were their voting, after a very warm contest, to adhere to the decision of eight years ago not to permit smoking among women on the campus, and at University functions; their raising of approximately \$1000 toward the much desired Women's Building; the improving of the dignified but friendly ceremony of welcome which has taken the place of the old barbaric form of initiation; and the winning by the Alpha Gamma Delta of the prize for scholarship in competition with the other forty-four chapters of this Fraternity. It may be of value in this connection to record that in addition to Miss Dorothy Blakey, the winner of the Canadian Federation of University Women's Scholarship, there were three other candidates of unusual merit from this University. This is the largest number that has been considered from a single university in a single year during the ten years history of the scholarship.

Respectfully submitted,

Mary L. Bollert,  
Dean.

REPORT OF THE DIRECTOR OF THE SUMMER SESSIONSTAFF

Dr. D. Buchanan, Director.

Biology 1 (3 units) - Dr. F. Dickson; Miss M. Halliday; Miss M. Ashton.

Chemistry 1 (3 units) - Dr. W.F. Seyer; Dr. W. Ure.

Economics 1 (3 units) - Dr. C.W. Topping.

Economics 6 (3 units) - Professor G.F. Drummond.

Education 2 (3 units) - Dr. J.W. Hedley (Normal School, Regina).

Education 3 (3 units) - Dr. John MacDonald (Univ. of Alberta).

English 1 (3 units), English 2 (3 units)  
English 14 (1 1/2 units), English 9 (1 1/2 units)  
 - Dr. F.C. Walker; Mr. Hunter C. Lewis; Miss D. Mawdsley; Mr. E.A. Birney.

English 17 (1 1/2 units) - Dr. G. G. Sedgewick.

French 1 (3 units) - Mme. Darlington.

French 2 (3 units) - Dr. D.O. Evans.

History 1 (3 units) - Professor A.L. Burt (Univ. of Minnesota)

History 13 (3 units) - Professor A.C. Cooke.

Latin 1b, 2b (3 units) - Professor L. Robertson.

Mathematics 1 (3 units) - Dr. D. Buchanan; Professor L. Richardson.

Philosophy 4 (3 units) - Professor J. Henderson.

Physics 1 (3 units) - Physics 2 (3 units) - Dr. H. Grayson-Smith;  
 Mr. A.C. Young.

ENROLMENT, NUMBER WRITING EXAMINATIONS, ETC.

<u>YEAR</u>	<u>ENROLLED</u>	<u>WROTE EXAMINATIONS</u>	<u>COMPLETED YEAR</u>	<u>WITHDREW</u>
PARTIAL	14	11	-	-
FIRST	164	158	26 (1 Nursing)	3
SECOND	134	133	16	-
THIRD	37	36	12	-
FOURTH	36	35	9 (and 1 from First Year 1 " Second " 1 " previous session)	-
GRADUATES	52	42	1 (M.A.)	-
SOCIAL SERVICE	4	4	4	-
	<u>441</u>	<u>419</u>	<u>69</u>	<u>3</u>
	<u>=====</u>	<u>=====</u>	<u>=====</u>	

ENROLMENT AT SUMMER SESSIONS 1926- 1931:

<u>Year</u>	<u>Total Enrolment</u>	<u>University Courses</u>	<u>Commercial Work</u>
1926	438	385	53
1927	487	448	39
1928	402	357	45
1929	427	383	44
1930	458	(Commercial work no longer taken in connection with University - all students enrolled for University work).	
1931	441		

### REGISTRATION BY COURSES

Biology	1	57
Chemistry	1	16
Economics	1	41
Economics	6	19
Education	2	74
Education	3	39
English	1	33
English	2	55
English	9	23
English	14	15
English	17	31
French	1	47
French	2	33
History	1	44
History	13	54
Latin	1 b	10
Latin	2 b	13
Mathematics	1	75
Philosophy	4	33
Physics	1	8
Physics	2	9
Reading Courses		

### PREPARATORY READINGS.

Examinations on the preparatory readings were waived on May 13. All candidates were allowed to register for 6 units who would have been allowed to register for this number if they had passed the preparatory examinations.

The following table shows the number who passed in five or more units without taking the preparatory examinations:

THE UNIVERSITY OF BRITISH COLUMBIA

SUMMER SESSION 1931.

SUMMARY OF RESULTS OF STUDENTS TAKING MORE THAN 4 1/2 UNITS OF WORK  
WITHOUT PREPARATORY READING

<u>Year</u>	<u>No. of students taking 5-6 units of New Work</u>	<u>6 units</u>	<u>5 1/2 units</u>	<u>5 units</u>	<u>Passed all units</u>	<u>Passed 3 or more units</u>	<u>Failed all units.</u>
First	19	18	-	1	10	7	2
Second	49	41	3	5	41	8	-
Third	14	14	-	-	13	-	1
Fourth	14	14	-	-	14	-	-
		<hr/>		<hr/>	<hr/>		
	96	87	3	6	78	15	3

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The above figures lead one to consider whether or not the preparatory readings in a course would be sufficient without requiring preparatory examinations, particularly when there is uncertainty as to the offering of a course until the registration for that course has been completed.

FINANCIAL STATEMENT.

The Budget for the Summer Session was as follows:

Teaching Staff (Including travelling expenses up to \$400.00)	\$ 11,600.00
Director .....	300.00
Stenographic Assistance - 2 mos. (For Faculty) .....	150.00
Stenographic Assistance (Registrar's Office)	900.00
Clerical Assistance (Library) .....	200.00
Supplies (Director's Office)	50.00
Supplies & Expense (Registrar's Office)	200.00
Examination Expense (Registrar's Office)	150.00
	<u>\$ 13,550.00</u>

In view of the fact that the Special Grant of \$4000 towards the Summer Session had been discontinued, the fees were raised from \$23 to \$26 per 3 units.

Total fees collected .....	\$ 15,180.95
Total Expenditure .....	<u>12,631.25</u>
Surplus....	\$ 2,549.70

In concluding this report the Director wishes to record his appreciation of the splendid spirit manifested by the staff inasmuch as they began and continued the work for two weeks before they knew for a certainty that there would be a Summer Session; and his appreciation of the students who changed their plans as to courses without demur although not without great disappointment.

Respectfully submitted,

D. Buchanan,  
Director.



REPORT OF THE LIBRARY COMMITTEE.

The Report of the Library Committee to the Senate was issued as a separate publication in September last. This Report was received and adopted by the Senate and by the Board of Governors early in the 1931-32 session.

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REPORT OF THE EXTENSION COMMITTEE.

The period covered by the Report submitted by Dr. O. J. Todd, Secretary of the Committee, is from April 1st., 1930 to March 31st., 1931.

Exclusive of 22 radio addresses, the number of lectures delivered was 257. The total attendance reported was 21,824. Arranged according to districts, these lectures were distributed as follows:-

Vancouver	136
North Vancouver	4
New Westminster )	
Burnaby )	
Strawberry Hill )	15
White Rock )	
Cloverdale )	
Hall's Prairie )	
Rest of Fraser	
Delta	31
Okanagan Valley	
& Oliver	20
Kootenays	6
United States	10
Manitoba, Alberta,	
Ontario.	6
Victoria	18
Upper Island	10
West Vancouver	1

T o t a l... 257

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REPORT OF THE ACTING-HEAD OF THE UNIVERSITY HEALTH SERVICE

I have the honour to submit the annual report of the University Health Service, consisting of the reports to me of the Medical Examiner of Students and of the Public Health Nurse:

- a. Report of the Medical Examiner of Students.
- b. Report of the Public Health Nurse.

Respectfully submitted,

H.W.Hill,  
Acting-Head.

REPORT OF THE MEDICAL EXAMINER OF STUDENTS

I have the honour to submit the annual report upon the physical examinations of the students of the First Year, those of other years who entered the University this year for the first time, women participating in major athletics, and certain other students whose physical condition was distinctly unsatisfactory last year.

In reviewing the statistical report, it is interesting to note that the average height, weight and chest expansion of the men are slightly greater than of those examined last year. In the case of the women, though the height and chest expansion are greater than those of last year, the average weight is less, due no doubt to the prevailing fashion among the women.

The posture and the reaction of the hearts to exercise were not quite so good this year.

The number of those studying under the handicap of defective vision uncorrected by glasses continues to be large and among the men, many have defective teeth. These and the

students having other minor defects have been reported for checking by the nurse next autumn, while those with major defects will be re-examined by the medical examiners.

All in need of treatment have been referred to their respective private physicians and dentists.

As in former years, great need is shown for physical training among the student body, those taking part in athletics being easily distinguishable from the others. As usual, the general complaint is lack of sufficient time for exercise. Too much time is wasted in riding in buses, motor cars and street cars. Noon-hour lectures continue to rob the students of much needed rest and recreation at the noon-hour.

Through the kindness of the authorities of the Vancouver General Hospital, the Out-patient Department was once more made available for this work.

Respectfully submitted,

Harold White,  
Medical Examiner of Students.

#### REPORT OF THE UNIVERSITY PUBLIC HEALTH NURSE.

I have the honour to present my fourth annual report as part-time public health nurse of the University of British Columbia.

Very excellent health conditions have prevailed in the University during the year, and, although the usual opposition and difficulties were encountered, the results obtained are fairly satisfactory.

Very considerable publicity assistance has been rendered by the Editors of the "Ubysey", who have proved themselves to be first-class Epidemiologists. Then, too, the members of the

Students' Council have helped in many ways, and are going to include Health Service information in the "General Information" section of the Student Handbook for the 1931-32 session. This is a great concession and will facilitate our public health efforts very much indeed.

FIRST AID AND HEALTH DEPARTMENT:

Two thousand and nine persons received assistance through the Health Service, including thirty-nine members of the Faculty, staff and workmen; of these, nine hundred and sixty students were referred to the proper agencies, including seven hundred and seventeen to the University Medical Examiners.

One hundred and twenty-three students were vaccinated (twenty being re-vaccinated) against smallpox; ninety-four Conscientious Objector Affidavit Certificates were filed. "Follow-up" of contacts numbered 181.

I have consulted with one hundred and twenty parents and physicians on behalf of students, and have received forty-six written and verbal reports from physicians. During the year a marked reluctance was shown on the part of certain physicians to issue medical certificates to students referred to them by the Health Service for professional advice. Conversely, one physician gave a certificate bearing the diagnosis "Common Cold", - the first I have ever seen.

CAFETERIA:

Proper rest-room and hand-washing facilities for use of the waitresses are still lacking.

Respectfully submitted

Celis A. Lucas,

Public Health Nurse.

REPORT ON THE MAINTENANCE AND DEVELOPMENT OF THE CAMPUS.

In connection with the work on the University Campus, the current year may be considered somewhat unique for two reasons. In the first place, the "maintenance work" had to be almost abandoned about the middle of the year. In the second place, in regard to new developments, the largest annual project attempted since the University was established was initiated and carried through to a reasonable stage of completion.

The severe cut in appropriations was responsible for the first situation. Watering and care of the lawn areas ceased early in July and weeds became rampant in every direction. The lawns dried up as never before and the whole place took on a most neglected appearance which continued until the fall rains restored things to almost normal condition. Much of the work slated to be taken care of during the year under the head of "maintenance" was never started.

The Playing Fields' project, which required the raising of about seventeen thousand dollars for the construction of student playing fields constituted the second important factor. Possibly the temporary setback in connection with the "maintenance work" was more than balanced by the implementation of this one single project which will have a very definite influence on the "development work" of the future in connection with other parts of the campus, as well as on that large area of swamp land lying immediately east of the Science and Library blocks.

MAINTENANCE.

Although it was necessary to allow the regular maintenance work to go by the board for the latter half of the year, an effort was made in the earlier part to have the campus appear at its best, particularly for the graduation exercises. A special effort also was made during the rest of the summer to keep alive, by watering, any recently planted trees and shrubs. The working staff of seven or eight required to carry on under normal conditions was reduced to a  $2\frac{1}{2}$  basis, i.e. five men working half time only.

DEVELOPMENT WORK.

As already stated, the largest single development project of any year was started on January 5th, 1931. The large

amount of fill required (twenty thousand cubic yards) to bring the site of the "Playing Fields" to grade, necessitated the removal of approximately ten thousand cubic yards of soil and gravel from other parts of the Campus. Over six thousand yards of excellent gravel were removed from the north end of the main Mall and some five thousand yards of soil from the area and roadways just east of the Library.

The changes affected in the appearance of these areas were very considerable and satisfactory. The cost for this work was charged to the Playing Fields' project.

Following is a synopsis of the work accomplished during 1931. The bare statement of materials handled will indicate the volume of the work completed during the past ten months.

SUMMARY OF THE IMPORTANT FEATURES CONNECTED  
WITH THE PLAYING FIELDS' PROJECT AND CAMPUS  
DEVELOPMENT WORK FOR 1931.

1. Yardage moved.

Amount of "fill" used to construct the playing fields (Approximate)		
Soil from the same site	8,500	yards
Soil from Campus areas	4,000	"
Gravel from Mall areas	6,000	"
Top soil	1,000	"
Cinders	200	"
Clay	100	"
	<u>19,800</u>	"

2. Drainage - installed on the Playing Fields' area

18 inch concrete pipe	950	feet
8 inch vitrified pipe	400	"
8 inch agricultural pipe	900	"
6 inch agricultural pipe	500	"
4 inch agricultural pipe	5,500	"
3 inch agricultural pipe.	600	" plus
	<u>8,850</u>	"

3. Sprinkling System - installed on the Playing Fields' area.

4 inch iron pipe	100 feet
2 $\frac{1}{2}$ inch galvanized pipe	150 "
2 inch galvanized pipe	350 "
1 $\frac{1}{4}$ inch galvanized pipe	1,250 "
	<u>1,850 "</u>

4. Roads - graded or constructed to a fair sub-grade

1 - East Mall	495 feet
2 - New road east of Playing Fields	1,100 "
3 - Farm Road	1,425 "
4 - Other roads partly graded	1,500 "
	<u>4,520 "</u>

( The value of this road work is roughly \$7,000.00)

5. Walks

Walks or paths on areas adjacent to the Playing Fields (mostly cinder construction)

Along University Boulevard	700 feet
Science and Library Blocks, east side	555 "
Science and Library Blocks, through the centre.	870 "
Other places	150 "
	<u>2,275 "</u>

6. Tennis Courts

One being a special gift by the Summer Session Students' Association.

Two full match size day courts, value approximately \$1,000.00

7. South Field for Cricket and Grass Hockey.

The grading finished and area seeded, Spring 1931.

8. Boulevard Strips along the Farm Axis Road

Graded, tile drained and planted with shade trees.

9. Tree Planting along Newly Graded Roads.

Laburnums along road west from barns to Marine Drive;  
Horse Chestnuts along road east from barns to Westbrook Crescent;  
Oaks to complete planting along Main Mall.

10. Farm Buildings.

Agronomy Building - grading and planting in part;  
Horticulture Building - planting in part.

The following data are also submitted for information:

Lawns

Total area on the Campus already sown to lawns, temporary lawns, or graded for the purpose of seeding down to lawns (acres) 25.63

Of this 25½ acres about 12 are seeded down to permanent lawn mixtures.

Trees

Number of trees of all kinds, based on a count made December 1931 750

Shrubs

Number of ornamental shrubs consisting of several hundred different varieties and including those used for hedge purposes. 5,500

Vines

Vines consisting of about 7 different varieties. 176



Rockeries, Rock Plants, Important Flower Groups

Some progress has been made during the past few years in establishing these features on the Campus but much more remains to be done.

They are necessary for many reasons, having definite uses in connection with both the landscape plans, the courses given in landscape work and in other ways.

Respectfully submitted,

F.E. Buck,  
Associate Professor of  
Horticulture.

REPORT OF THE OFFICER COMMANDING  
CANADIAN OFFICERS' TRAINING CORPS  
UNIVERSITY OF BRITISH COLUMBIA CONTINGENT

The activities and progress of the Contingent during the year were normal.

The composition of the Committee on Military Education remained unchanged with the exception that Lt.Col.H.F.G.Letson, M.C. assumed command on the transfer of Lt.Col. H.T.Logan, M.C., to the Reserve of Officers Canadian Militia at his own request.

All arms, stores, records, etc., were turned over in excellent condition, and the discipline, training and efficiency of the personnel was of the highest order.

Capt.(Temporary Major) A.H.Finlay, M.C., returned to his own unit at his own request. Major W.A.Carrothers, D.F.C., assumed command of "A" Company.

The following were granted commissions:

2./Lieut. J.L.Plant to R.C.A.F.  
 2./Lieut. W.Thornber to Vancouver Regiment and R.C.A.F.  
 Cadet N.C.O.'s G.Stead and W.W.Mathers to B.C.Regiment.  
 Cadet N.C.O. C.E.G.Brown to Vancouver Regiment.

At the opening of the training season Capt. G.E.Walls and Q.M.S.I. W.J.Gibson, M.C., were detailed as instructors to the Corps. They were relieved in November by Capt. E.M. MacBrayne and Q.M.S.I. A.H.Smith. They gave most devoted and excellent service.

The training of the Corps consisted of weekly parades and lectures with a week-end at Victoria.

The following course of lectures was delivered:

- (1) Col. Birdwhistle, V.D. "Rifle Shooting".
- (2) Capt. W.G.Colquhoun, M.C., "Mechanization".
- (3) Lt.Col. H.F.G.Letson, M.C. "The Gallipoli Campaign".

The Corps carried out the usual musketry training and competed for the first time in the Inter-University Matches.

The annual inspection was held on 4th March. The Corps parading 8 officers and 61 O.R. out of a strength of 8 officers and 74 O.R. The authorized establishment of this Corps is 133 all ranks. The Corps strength was therefore 62% of the establishment.

In November 10 candidates presented themselves for examination by the War Office for Certificate "A" and all were successful. In March 1931 seven candidates presented themselves and six were passed. In Certificate "B" six candidates wrote, four passed and two passed with one supplemental. Members of the Corps were successful in the R.C.A.F. training and also at the Small Arms School.

The record of candidates from the Corps is among the highest of any University in the Empire.

A smoker and dance were held during the season and both proved very enjoyable.

The results of examinations, and other Corps training in detail may be found in the Commanding Officer's Report and Appendices 1 and 2.

The Officer Commanding wishes to record his appreciation for the assistance and co-operation afforded him by the Chancellor, the President, the Board of Governors, the Committee on Military Education, the D.O.C., M.D. No. 11 and Staff and the O.C.'s Artillery Bde. and B.C. Regiment.

Respectfully submitted,

H.F.G. Letson,

Officer Commanding.

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- "Bacteriological Diagnosis of Gonococcal Infections."  
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- "Bacteriological Diagnosis of Tuberculosis."  
B.C.Laboratory Bulletin, April, 1931.
- "Bacterial Examinations in Typhoid, etc."  
B.C.Laboratory Bulletin, May, 1931.
- "Blood Cultures."  
B.C.Laboratory Bulletin, June, 1931.

Dr. D.C.B.Duff.

- "Detection of Indol in Bacterial Cultures."  
American Journal of Public Health,  
Vol. XX, No.9, September, 1930.

Department of Botany:Dr. A. H. Hutchinson and M.R.Ashton.

- "The Effect of Radiant Energy on Growth and Sporulation in Colletotrichum Phomoides."  
Canadian Journal of Research, 3, 187-199- 1930.
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Canadian Journal of Research, 4, 614-623 - 1931.

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Department of Chemistry:Dr. William Ure and T.Bentley Edwards.

"The Rates of Intramolecular Change between Ammonium  
Thiocyanate and Thiourea."  
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"A Study of the Absorption Spectra of Various Series  
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Can. Jour. Research, Vol. III, 125, 1930.

Dr. John Allardyce, R.H.Fleming, F.L.Fowler and Dr. R.H.Clark.

"Blood Normals for Cattle - Some Pathological Values."  
Can. Jour. Research, Vol. III, 120, 1930.

R.H.Fleming, F.L.Fowler and Dr. R.H.Clark.

"Haematuria Vesicalis."  
Can. Jour. Research, Vol. III, 125, 1930.

Dr. R.H.Clark and R.M.Archibald.

"The Action of Nitric Acid on Benzoic Acid in Magnetic and in Electrostatic Fields."  
Trans. Roy.Soc., Can., XXIV, 121, 1930.

Dr. R.H.Clark and K.R.Gray.

"The Addition of Hydrogen Bromide to Allyl Bromide in Magnetic and Electrostatic Fields."  
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