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REPORT OF THE PRESIDENT
OF THE UNIVERSITY OF BRITISH COLUMBIA
FOR THE ACADEMIC YEAR ENDED
AUGUST 31st, 1938.

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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 ended
August 31st, 1938:

Teaching Staff:

The numbers in the teaching staff for the academic
year 1937-38, were as follows:

Deans of Faculties.....	3
Professors.....	36
Associate Professors.....	19
Assistant Professors.....	20
Lecturers.....	8
Instructors.....	23
Honorary Lecturers.....	2
Part-time Lecturers.....	36
Assistants.....	66
<u>TOTAL.....</u>	<u>213</u>

New Appointments:

Gordon M. Shrum, M.A., Ph.D.(Toronto), F.R.S.C., Director of
University Extension and Professor of Physics.
John Allan Irving, B.A., M.A.(Toronto), B.A., M.A.(Cambridge),
Professor of Philosophy.
Ralph Hull, M.A.(Brit.Col.), Ph.D.(Chicago), Professor of
Mathematics.
Arthur B. Recknagel, A.B., M.F.(Yale); Special Lecturer in Forestry.
William John Allardyce, M.A.(Brit.Col.), Ph.D.(McGill), Assistant
Professor of Biology.
Edmund Morrison, B.A.(Brit.Col.), A.M.(Calif.), Assistant Professor
of English.
Braham G. Griffith, M.A.(Brit.Col.), M.F.(Harvard), Instructor in
Forestry.
Miss Margaret Fyvie H. Young, R.N., B.A.Sc.(Brit.Col.), M.A.
(Columbia), Instructor in the Department of Nursing and Health,
under the Rockefeller Foundation Grant.
Miss Elizabeth B. Abernethy, B.A.(Brit.Col.), Secretary to the
President, formerly Assistant Registrar.
Miss Muriel Upshall, R.N., B.A.Sc.(Brit.Col.), Public Health Nurse.

Promotions:

- Mr. Ira Dilworth from Associate Professor to Professor of English.
- Mr. Abram Lighthall from Assistant Professor to Associate Professor of Civil Engineering.
- Dr. William Ure from Assistant Professor to Associate Professor of Chemistry.
- Dr. Stanley N. Wood from Instructor to Associate Professor of Animal Husbandry.
- Dr. Joseph E. Morsh from Lecturer to Assistant Professor of Philosophy and Psychology.
- Dr. Arthur M. Crooker from Lecturer to Assistant Professor of Physics.
- Dr. Oscar E. Anderson from Lecturer to Assistant Professor of Physics.
- Dr. Dorothy Blakey from Instructor to Assistant Professor of English.
- Dr. Joyce Hallamore from Instructor to Assistant Professor of German.

Leaves of Absence:

- Mr. Henry F. Angus, Professor and Head of the Department of Economics, Political Science, Commerce and Sociology,- to serve as a member of the Royal Commission on Dominion-Provincial Relations.
- Dr. William A. Carrothers, Professor in the Department of Economics, Political Science, Commerce and Sociology,- leave of absence continued, in view of services in connection with the Royal Commission on Dominion-Provincial Relations.
- Mr. Harry T. Logan, Professor of Classics,- leave of absence continued from September 1st, 1937 to September 1st, 1938.
- Dr. James G. Davidson, Associate Professor of Physics, from September 1st, 1937 to July 1st, 1938.

Appointments Necessitated by Leaves of Absence:

- James Alexander Gibson, B.A.(Brit.Col.), B.A., B.Litt.(Oxon.), Lecturer in the Department of Economics, Political Science, Commerce and Sociology.
- Arthur M. Crooker, B.A.(McMaster), Ph.D.(Toronto), Lecturer in Physics.
- Oscar E. Anderson, M.A.(Brit.Col.), Ph.D.(Calif.), Lecturer in Physics.
- Patrick C. F. Guthrie, B.A.(Manitoba), M.A.(Toronto), Instructor in Classics.

Resignations:

Dr. William A. Carrothers, Professor in the Department of Economics, Political Science, Commerce and Sociology.
 Mr. Harry T. Logan, Professor of Classics.
 Dr. Jennie B. Wyman Pilcher, Associate Professor of Psychology and Education.
 Dr. James G. Davidson, Associate Professor of Physics.
 Dr. Stanley D. Lash, Instructor in the Department of Civil Engineering.
 Mrs. Celia A. Lucas, Public Health Supervisor.

Re-appointment Following Attainment of Retiring Age:

Mr. John Ridington, Librarian, who, upon reaching the retiral age in April, 1936, had been appointed for a period of two years, was re-appointed for a further period of one year.

Obituaries:

Mrs. Charles A. Welsh

It was with deep regret that the University learned of the death of Mrs. Charles A. Welsh, who for five years had served most acceptably as a member of the Board of Governors. Even after her retirement in 1935, Mrs. Welsh's influence continued to be felt as the result of the active interest which she had taken in the work of the University during the years of her official connection as a Governor.

Dr. Frank Porter Patterson

During the year under review, the University suffered a great loss through the death of another of its staunch friends and supporters, Dr. Frank P. Patterson. For many years as a member of the Senate, and later as a member of the Board of Governors, Dr. Patterson made a distinct contribution to the development of the University. For his deep interest in the welfare of the institution, and for the sound, progressive views he held with respect to University policy, academic and administrative, Dr. Patterson will long be held in affectionate regard by all the friends of higher education in this Province.

Dr. Edward Burness Paul

The Senate, at a meeting in December, 1937, noted, with a deep sense of personal loss, the passing of one of its esteemed former members, Dr. Edward Burness Paul, who for many years had been one of the foremost educationalists in the Province.

A staunch supporter of all forward-looking movements

in education, Dr. Paul had served the Province in many capacities, - as Principal of Victoria High School, as first Principal of McGill University College in Victoria, as Superintendent of Schools in Victoria, and as Principal of Victoria College.

In recognition of his services to the cause of education in British Columbia, Dr. Paul had been honoured by this University, as by his own Alma Mater, the University of Aberdeen, in being made the recipient of an honorary degree.

Dr. Thomas Carlyle Hebb

By the death of Dr. Thomas C. Hebb, which occurred in August after a brief illness, the University was sorely bereaved. Over a period of eighteen years, and until a few weeks prior to his passing, Dr. Hebb rendered signal service as Head of the Department of Physics. For his devotion to the highest standards of scholarship, for his unrelenting toil in the work of faculties and committees, and for his keen interest in the problems and activities of the students, Dr. Hebb will long be affectionately remembered by his colleagues and by the students of this University, in whose service he devoted so many of the most productive years of his life.

Honorary Degrees:

The degree of LL.D. (Honoris Causa) was conferred upon the Honourable Thomas Dufferin Pattullo, Premier of the Province of British Columbia, at the Eleventh Autumn Congregation, October 27th, 1937, and upon Her Honour Judge Helen Gregory MacGill, M.A., Mus.Bac., at the Twenty-Third Congregation, May 12th, 1938.

At a Special Congregation held in honour of the Canadian Bar Association, August 19th, 1938, honorary degrees were conferred upon the following:

The Right Honourable Sir Lyman Poore Duff, P.C., G.C.M.G., LL.D., Chief Justice of Canada.

William, Viscount Finlay of Nairn, K.B.E., Judge of the High Court of Justice (England).

Arthur T. Vanderbilt, A.B., A.M., LL.B., Professor of Law in New York University Law School, President of the American Bar Association.

The Honourable Senator J. W. de B. Farris, K.C., B.A., LL.B., D.C.L., President of the Canadian Bar Association.

Appointments of Members of the Board of Governors:

Brigadier-General Victor W. Odlum and Mr. Samuel H. Shannon were re-appointed by the Lieutenant-Governor-in-Council as

members of the Board of Governors for six years commencing August 27th, 1937.

Mr. Justice Denis Murphy was appointed by the Lieutenant-Governor-in-Council as a member of the Board of Governors for the period extending from March 16th, 1938, to August 27th, 1939.

Recognition of Dr. Robert E. McKechnie's Twentieth Anniversary as Chancellor:

In the President's report for 1936-37, reference was made to the twenty-five years of service which Dr. Robert E. McKechnie had rendered to the University, first as a member of the Senate and later as Chancellor and Chairman of the Board of Governors. It is an added pleasure, therefore, to record in this report the celebration of Dr. McKechnie's twentieth anniversary as Chancellor. The occasion was fittingly marked on the anniversary of his birthday, April 25th, 1938, when, prior to a meeting of the Board of Governors and at the home of the Honorary Secretary, a presentation was made to the Chancellor on behalf of the Board and the Faculties in token of their esteem and affection. Later in the evening the Board of Governors took pleasure and pride in recording on its minutes its appreciation of the devoted service given so generously by the Chancellor, not only in his public and official capacity, but through his private efforts as well.

Accrediting of High Schools:

For the year 1937-38, and without prejudice, approval was given by the Faculties and the Senate to the accrediting of High Schools in a limited and experimental form as proposed by the High School Accrediting Board. The University is represented on this Board by two members of Faculty.

Requests for the Establishment of new Faculties, Departments and Courses:

During the year, requests were received from learned societies and from representative groups of citizens asking the Senate and the Board of Governors to establish new faculties, colleges or schools, institutes, courses and departments, as follows: a Faculty of Law; a College or School of Pharmacy; an Institute for Research in the Social Sciences; a pre-Medical Course; and the re-establishment of the Department of Home Economics. These requests, together with accompanying memoranda, were referred to special committees for consideration and report.

Distribution of the new Scholarships and Bursaries Fund:

Following the decision of the Board of Governors to increase the fees for all students, effective September, 1938, provision was made for the establishment of a Scholarships and Bursaries Fund in the sum of \$10,000.00 per annum. Subject to the approval of the Board of Governors, awards from this fund are made on the recommendation of the Joint Faculty Committee on Prizes and Scholarships.

For the academic year 1937-38, these funds were made available for three main purposes, namely:

To establish new, and to augment existing, scholarships, \$2,450.00;

- (b) To establish bursaries in the First and Second Years in any faculty, \$1,475.00; and

To establish bursaries in the Third, Fourth and Fifth Years in all faculties, including students taking the Double Degree Course, students in Nursing and Health; in Social Service and in the Teacher Training Course, \$6,075.00. Of this amount, \$500.00 was made available for students in Agriculture, \$1,575.00 for students in Applied Science, and \$4,000.00 for students in Arts and Science.

Of the amount set aside for bursaries, approximately \$500.00 was made available for students entering the First Year, with the preference being given to students from out-of-town areas. In order to be eligible for a bursary, students entering the First Year were required to have an average of seventy per cent.; those entering the Second Year an average of seventy per cent. in Applied Science and seventy-five per cent. in Arts and Science and in Agriculture, or a letter grade judged to be the equivalent of seventy per cent. in the case of students entering from accredited high schools. In order for upper year students in Applied Science to be eligible for a bursary, an average of at least seventy per cent. was demanded; for students in Arts and Science, an average of at least seventy-five per cent.

Of the 144 applications received for special bursaries, 92 were granted. Practically all applicants were interviewed by the Committee. In submitting their recommendations to the Board of Governors, the Committee referred to the high academic standing of the majority of the applicants and to the very real need on the part of nearly all of those who applied for bursaries.

Utilization of the Carnegie Corporation Music Set:

In the autumn of 1937 there was held an inaugural recital of recordings from the Music Set presented by the Carnegie Corporation of New York. It was the desire of the committee in charge to arrange

this recital not only to mark the University's appreciation of this splendid gift, but also to inaugurate a series of student recitals, radio programmes and lectures that would utilize the set to its fullest capacity.

Continuation of the Agreement with the Connaught Laboratories:

Early in the year 1936-37 the Board of Governors of the University of Toronto approved of the recommendation of Dr. John G. FitzGerald, Director of the Connaught Laboratories in the University of Toronto, that the period of collaboration between the University of Toronto, the University of British Columbia, and the Provincial Board of Health of the Province of British Columbia, should be extended for a period of two years. The original agreement, which had been entered into in the spring of 1935, had proved so satisfactory to each of the contracting parties that all readily assented to Dr. FitzGerald's recommendation. Continuation of the present working agreement is assured, therefore, until the fall of 1938.

Amendments to the Probate Duty Act and to the Succession Duty Act:

The University learned with satisfaction of the action of the Provincial Government in amending the Probate Duty Act and the Succession Duty Act to exempt from duty gifts for educational and charitable purposes within the Province. This legislation, it is felt, will encourage generous citizens of the Province, in making bequests, to consider the needs of the University.

Development of the University Forest Area:

During the fall and winter, between seventy and eighty single unemployed men, who were stationed at the Point Grey camp, were engaged in improvement work on the forest area, under the general supervision of the Department of Forestry. This is the second year that this plan has been in operation as a part of the Provincial Government's Forest Development Project. The cost of this development was borne jointly by the Dominion and Provincial Governments.

Up to the present, about seventy-five acres of the University forest have been cleared of debris and brought into productive condition. Trails have been improved, boundary roads constructed, drainage projects initiated and thirty-five acres have been reforested with 35,000 three-year-old trees of the better species. All these improvements, amounting in value to many thousands of dollars, have been made at no expense to the University.

At the present rate of development, several more years will be required to bring the entire area of University forest into such a

condition as will make it a valuable demonstration to the public in the management of forest areas for sustained yield, and a carefully-planned and properly-administered outdoor laboratory for students in forestry and in the closely-related biological sciences.

Desirability of Completing the East Mall:

In view of the volume of traffic now resulting from activities which centre around the two buildings situated on the East Mall, namely, the Gymnasium and the Stadium, there is urgent need for the opening of this main artery and for the providing of adequate parking facilities for those who visit these two buildings. Within a short time the Brock Memorial Building will probably be erected on this thoroughfare also.

One of the results of completing the playing field and of erecting the Stadium is that important athletic events, which attract thousands of spectators from the city, are now being held at the University; the Gymnasium is also being used more and more for competitions which attract large numbers of spectators from Vancouver and vicinity.

When major games are played at the Stadium the congestion is so great, notwithstanding a corps of traffic policemen, that the Board is very apprehensive lest some serious accident happen on what was designed as a main thoroughfare for the use of the public. Traffic on this artery, though somewhat spasmodic at present, will be fairly continuous and heavy as soon as the Brock Memorial Building is erected, hence the necessity of easy access to this part of the campus.

The fact that the students have borne virtually the entire cost of these two above-mentioned buildings and are making encouraging progress in the raising of the funds for a third, is considered an additional reason why this traffic artery should be completed as soon as possible. This will give direct access from these buildings to the Marine Drive and Chancellor Boulevard via the East Mall which, at its Northern end, joins the road forming the official entrance to the University grounds.

Comment on the Report of the Director of University Extension:

In no department of the University's many activities has more gratifying progress been made during the period under review than that in the Department of University Extension under the energetic and capable directorship of Dr. Gordon M. Shrum. The report of the Director on the year's work in this Department was so comprehensive and of such wide general interest that it has been mimeographed and distributed as a separate report. Excerpts from the Director's Report appear on pages 31-34 inclusive of this report.

Comment on the Report of the Director of the University Health Service:

Another excellent report which was issued separately was prepared by Dr. Kenneth F. Brandon, Director of the University Health Service. Excerpts from Dr. Brandon's statement appear on pages 35-37 of this report.

Important Changes in University Policy:

The President's report for the year 1936-37 concluded with the following statement:

"The present state of overcrowding can produce only one of two things: either a further decline in the standards of work that have gained so favourable a reputation for the University, or else a further limitation in numbers. To debar a qualified student from the advantages of a University education because of inadequate accommodation would appear to be invidious and wasteful; to admit him without giving him suitable conditions in which to do his best is to defeat in a measure the primary purpose of the University. The increasingly important part played by this institution in the life of the entire Province - cultural, professional, scientific, industrial, commercial - constitutes the justification for these representations. "

In September, 1937, the Chancellor appointed a Committee of the Board of Governors to study the questions of accommodation, limitation of attendance, fees, and a system of scholarships and bursaries; and to prepare a report, with recommendations, for submission to the Board, which should serve as a basis for future University policy.

In November, the committee presented a report in which it recommended, among other matters, that "the President see the Minister of Education again and notify him that if further and immediate accommodation is out of the question the Board will regretfully proceed at once to inaugurate a policy of limitation of students".

Later, the President had an interview with the Honourable the Minister of Education, who suggested that a Committee of the Board submit representations to him with respect to the need for additional accommodation.

In December, a Committee of the Board of Governors waited upon the Honourable the Minister of Education, and also submitted the University's case to the Executive Council. An attentive and interested hearing was given by the Executive Council to every representation made by the Committee. Sympathetic consideration was given to the Committee's request that more accommodation be provided, and the delegation was assured that a definite reply to its representations would be made as soon as possible. When, later, the Honourable the Premier advised the Chancellor that the government, while in full sympathy with the Board's

request for increased accommodation, was not in a position to say definitely when a new building or buildings might be erected, a special meeting of the Board of Governors was called and the following resolutions, submitted by the President, were unanimously adopted:

"GENERAL MOTION

RESOLVED, That, in view of the fact that the limits of effective accommodation have long since been far exceeded; that there is no immediate prospect of greater accommodation; that the enrolment is increasing rapidly; that there was no increase in the legislative grant for 1938-39; and that there has been an appreciable lowering of the academic standards during the past few years; consideration be given to the related questions of limitation, fees and a system of scholarships and bursaries.

"LIMITATION

RESOLVED, That, beginning with the Session 1938-39, the number of First Year students in the Faculty of Arts and Science and the Faculty of Agriculture be limited to 450; in the Second Year of the Course in Applied Science to 120; in the Second Year of the Course in Nursing and Health to 20; and in the Teacher Training Course to 60.

"ADMINISTRATION OF LIMITATION

1. RESOLVED, That the method of limitation be worked out by a Committee of five to be nominated by the Faculties, or by the Deans of the respective Faculties, and to be appointed by the Board. On this Committee, Arts and Science should have three members, Applied Science one member and Agriculture one member.
2. RESOLVED, That the report of this Committee, when adopted by the Board, be administered by a Committee of five to be nominated by the Faculties, or by the Deans of the respective Faculties, and to be appointed by the Board of Governors. On this Committee, Arts and Science should have three members, Applied Science one member and Agriculture one member.

"TUITION FEES

RESOLVED, That Tuition Fees be increased as follows, effective September 1st, 1938:

<u>Arts and Science</u>	from	\$125.00	to	\$150.00
<u>Applied Science</u>	"	175.00	"	200.00
<u>Agriculture</u>	"	125.00	"	150.00
<u>Social Service</u>	"	125.00	"	150.00
<u>Nursing and Health</u>	"	125.00	"	150.00
<u>Teacher Training</u>	"	125.00	"	150.00, and

that an increase of approximately twenty per cent. (20%) be made in the fees for Partial students, for students in Extra-Sessional Classes and Directed Reading Courses, for Summer Session students and for students in the Occupational Course.

"SCHOLARSHIPS AND BURSARIES

RESOLVED, That, from the estimated increase of \$50,000.00 in fees, the sum of \$10,000.00 be set aside for Scholarships and Bursaries; that the Joint Faculty Committee on Prizes and Scholarships be asked to make recommendations respecting the division of these funds as between scholarships and bursaries; that the Committee draw up regulations governing the administration of this fund and submit their recommendations to the Board. "

The changes consequent upon the adoption of these resolutions were announced in the 1938-39 Calendar.

Respectfully submitted,

LEONARD S. KLINCK,
President.

Vancouver, B.C.,
December 19th, 1939.

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REPORT OF THE REGISTRAR

Registration

	<u>Women</u>	<u>Men</u>	<u>Total</u>
<u>Faculty of Arts and Science</u>			
First Year.....	201	328	529
Second Year.....	140	223	363
Third Year.....	119	176	295
Fourth Year.....	123	145	268
Graduates.....	26	109	135
Social Service Course.....	36	9	45
Teacher Training Course.....	34	33	67
Extra-Sessional Classes.....	25	52	77
Directed Reading Courses.....	20	91	<u>111</u>
			1890
<u>Faculty of Applied Science</u>			
Second Year.....		162	162
Third Year.....		97	97
Fourth Year.....		80	80
Fifth Year.....		62	62
Graduates.....		15	<u>15</u>
			416
<u>Faculty of Applied Science (Nursing)</u>			
Second Year.....	11		11
Third Year.....	11		11
Fourth Year.....	12		12
Fifth Year.....	9		9
Sixth Year.....	7		7
Public Health Nursing Course.....	21		<u>21</u>
			71
			487
<u>Faculty of Agriculture</u>			
First Year.....	5	18	23
Second Year.....	4	23	27
Third Year.....	3	12	15
Fourth Year.....	3	17	20
Graduates.....	1	14	15
Occupational Course.....	1	2	<u>3</u>
			103
Total.....			2480

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	<u>Women</u>	<u>Men</u>	<u>Total</u>
Evening Class in Botany.....	6	15	21
Summer Session, Faculty of Arts and Science (1937).....	197	453	650

Nationalities of Students(exclusive of those taking the Teacher Training Course, Extra-Sessional Classes, Directed Reading Courses and Public Health Nursing Course):

Geographical Distribution of Students:

Occupations of Parents (exclusive of those taking the Teacher Training Course, Extra-Sessional Classes, Directed Reading Courses and Public Health Nursing Course):

Accountant 45; Agent 30; Banker 27; Barrister 19; Broker 35;
Business Man 17; Carpenter 36; Civil Service 27; Clergy 44; Clerk 31;
Contractor 32; Dentist 15; Doctor 68; Engineer 134; Farmer 75;
Inspector 21; Insurance 34; Lawyer 39; Lumberman 33; Manager 54;
Merchant 97; Miner 19; R.R. Employee 51; Salesman 40; Teacher 50;
Wholesaler 20.

Vancouver 2175; other parts of B.C. 1272; other parts of Canada 266; British Isles 34; other parts of British Empire 19; United States of America 198; other countries 42.

TOTAL..... 4576

Comparative Statement of Attendance
Sessions 1930-31 to 1937-38

Session	* Arts and Science	* Applied Science	Nursing	* Agri- culture	Teacher Training Course	Total Winter Session	Summer Session	Short Courses	Grand Total
1930-31	1580	289	41	63	71	2044	455	401	2900
1931-32	1477	284	44	75	109	1989	441	342	2772
1932-33	1269	288	47	71	64	1739	404	181	2324
1933-34	1147	287	48	63	61	1606	370	124	2100
1934-35	1238	320	57	71	66	1652	377	165	2294
1935-36	1337	336	68	80	62	1883	464	278	2625
1936-37	1499	366	47	95	42	2049	566	306	2921
1937-38	1590	416	50	100	67	2223	650	278	3151

+ Including Graduates

Comparative Statement of Degrees Conferred
Sessions 1931-32 to 1937-38

Year	M.A.	B.A.	B.Com.	M.A.Sc.	B.A.Sc.	B.A.Sc. Nursing	M.S.A.	B.S.A.	Total	Grand Total
1931	20	211	14	2	39	7	2	13	308	2500
	4	31	1	-	5	-	-	-	41	2541
1932	17	201	15	2	37	4	9	6	291	2832
	6	36	1	-	6	-	-	-	49	2881
1933	19	215	22	8	44	7	4	12	331	3212
	4	46	5	3	5	-	-	1	64	3276
1934	11	204	31	3	37	5	4	12	307	3583
	6	36	5	1	5	-	1	3	57	3640
1935	14	196	23	8	57	13	2	19	332	3972
	12	45	5	-	5	-	-	1	68	4040
1936	15	175	21	6	50	7	5	16	296	4335
	10	38	1	2	3	-	3	2	59	4394
1937	21	190	28	4	48	2	7	14	314	4708
	9	54	8	-	6	1	1	1	80	4788
1938	20	204	31	6	56	7	3	19	346	5134

Comparative Statement of Diplomas Issued
Sessions 1931-32 to 1937-38

<u>Year</u>	<u>Teacher Training</u>	<u>Public Health Nursing</u>	<u>Social Service</u>	<u>Occupational Course in Agriculture</u>	<u>TOTALS</u>
1931	58	11	-	3	72
1932	85 12	8 1	2 11	7 -	102 24
1933	58 -	13 1	4 5	- -	75 6
1934	61 3	10 -	- 3	- -	71 6
1935	65 1	15 -	3 7	3 -	86 8
1936	60 -	15 -	- 12	- -	75 12
1937	39 1	16 5	- 18	4 -	59 24
1938	65	18	1	3	87

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.

Name	Award	Value	Subject	Where Tenable
Allen, George S.	Baker Research Fellowship	\$700	Forestry	Univ. of California
Bennett, Robert L.	Carnegie Institute of Technology Scholarship	650	Chemistry	Carnegie Institute of Technology
Carey, David E.	Rhodes Scholarship (3 years)	400	pounds a yr.	Oxford University
Christy, Robert F.	Teaching Assistantship	-	Physics	Univ. of California
Clayton, Henry H.	Teaching Assistantship	700	Physics	Purdue University
Cleveland, Courtney	Adams Scholarship	-	Geology	McGill University
Danielson, Gordon C.	Teaching Assistantship	700	Physics	Purdue University
English, William N.	Teaching Assistantship	650	Physics	Univ. of California
Fisher, John H.	National Research Council Bursary	650	Chemistry	National Research Council of Canada
Ford, William L.	Scholarship	600	Chemistry	Northwestern University
Godard, Hugh P.	Scholarship	600	Chemistry	Cellulose Research Laboratory
Guthrie, Andrew	Teaching Assistantship	700	Physics	Purdue University
Higham, Grace	Charles Kendall Adams Fellowship	400	Greek	Univ. of Wisconsin
Hooley, Gilbert	Royal Society of Canada Fellowship	1500	Chemistry	Mass.Inst.of Technology
Kusaka, Shuichi	University Fellowship	650	Physics	Univ. of California
Lacey, Oliver L.	Susan Linn Sage Fellowship	400	Psychology	Cornell University
Lovell, Edwin L.	National Research Council Bursary	650	Chemistry	Cellulose Research Laboratories
Morris, William	Fellowship	750	Chemical Eng.	California Institute of Technology
McKenzie, Kenneth R.	James M. Goewey Fellowship	650	Physics	Univ. of California
MacLeish, William C.	Research Assistantship	-	Electrical Eng.	National Physical Laboratory
McMahon, Howard O.	Fellowship	800	Chemistry	Mass.Inst.of Technology
MacPhail, Donald C.	Exhibition of 1851 Scholarship in Science (2 years)	275 pounds a yr.	Mechanical Eng.	Cambridge University
Nemetz, Herman	Scholarship and Demonstratorship	600	Chemical Eng.	McGill University
Niven, Ivan	George Leib Harrison Post Doctoral Fellowship for Research	1500	Mathematics	Univ. of Pennsylvania

Name	Award	Value	Subject	Where Tenable
Pyle, James J.	Scholarship	\$650	Chemistry	Cellulose Research Laboratories, McGill
Ridland, C. Carman	Princeton Graduate Fellowship	700	Geology	Princeton University
Smith, Ronald N.	Teaching Assistantship	700	Physics	Purdue University
Thomson, Daniel W.	Research Assistantship	600	Mechanical Eng.	Engineering Exp. Station Univ. of Illinois
Volkoff, George M.	Whiting Fellowship	700	Physics	Univ. of California
Walker, Robert D.	Scholarship	600	Chemistry	Univ. of California
Watson, Kenneth DeP.	Graduate Fellowship	700	Geology	Princeton University
Wellwood, Robert W.	Duke Forestry Scholarship	350	Forestry	Duke Forest School, Durham, N.C.
Welsh, Maurice F.	Teaching Fellowship	450	Plant Pathology	Univ. of Toronto
Wilson, Norton	Fellowship	750	Chemistry	Calif. Institute of Technology
Wolfe, William	Teaching Fellowship	600	Mechanical Eng.	Case School of Applied Science
Wood, Alexander J.	Fellowship in Agriculture	400	Dairying	Cornell University
Wright, Frances	Scholarship	500	Chemistry	Stanford University

NOTE: In many cases these scholarships and fellowships carry with them free tuition or exemption from fees in addition to their monetary value.

Value of scholarships, fellowships, and bursaries won by our graduates in other Universities and in Institutes in 1938.....\$ 30,055.00

Total value of scholarships, fellowships, and bursaries won by our graduates in other Universities and in Institutes since the first awards were made in 1917.....\$599,762.00

Respectfully submitted,

S. W. MATHEWS,
Registrar.

REPORT OF THE DEAN OF THE FACULTY
OF ARTS AND SCIENCE

Curriculum Changes.

Studies with regard to curriculum which had begun two years ago were continued throughout the session 1937-38. The original committee was enlarged and progress reports were presented from time to time. A final report was presented last spring but was held over for consideration last summer and for early action in the session 1938-39. While certain of the changes contemplated will tend to relieve over-crowding, the proposals to be presented are based upon academic grounds alone and not upon limited laboratory space.

Accredited Schools.

Much time, discussion and consideration were given to the proposals laid before the Faculties in respect of schemes for accrediting High Schools in the Province. The proposals were drawn up by the Accrediting Board and presented to the Faculties (and Senate) for criticisms and suggestions. On one occasion the Accrediting Board met at the University and invited the President, Registrar and the Heads of Departments in the three Faculties to meet with them for discussion. A tentative scheme was finally adopted to operate for the Grade XII July examinations of 1938 only. It is anticipated that the final report of the Accrediting Board will be presented early in the session 1938-39.

Matriculation Board.

For the first time in its history the High School and University Matriculation Board met at the University last March. It is hoped that in future at least one meeting a year will be held at the University.

Absences of Professors.

The Dean wishes to record the appreciation of the Faculty for the honour conferred upon the University when certain of its outstanding men are invited to give their services in fields which necessitate their partial or complete absence from the University. It was a signal honour that Professor H. F. Angus should have been chosen by the Dominion Government to serve as a member of the Royal Commission on Dominion-Provincial Relations. His absence, however, was a great loss to the University and this loss was further augmented when, with very little notice, Dr. W. A. Carrothers who had for the last five years been giving approximately a quarter of his time to the supervision of the Economic Council was asked, by the Provincial Government, at the opening of the session, to give his full time to the preparation of the brief to be presented to the

Royal Commission on Dominion-Provincial Relations. It was fortunate that the University was able to obtain as a substitute for Mr. Angus one of our own graduates, Mr. James Gibson, B.A., B.Litt., who was able to postpone for a year the taking up of his duties with the Department of External Affairs at Ottawa. Mr. Gibson took Professor Angus' work chiefly, while courses usually taken by Dr. Carrothers were carried by the other members of the Department. One large class, Economic History, was taken by Dr. Sylvia Thrupp of the Department of History. The difficulties of the Department were further complicated by the illness of Professor J. Friend Day near the close of the First Term. Efforts were made to secure for the Second Term an additional lecturer of senior rank but to no avail. While there was criticism of the work of the Department because of insufficient staff, the instructors who did carry on deserve credit for their work.

It was with regret and apprehension that we learned of Dr. Sedgewick's serious illness towards the latter part of the First Term. We are pleased to record that he was able to return, fully recovered, for a portion of the Second Term. The members of the Department assumed nearly all his work during his absence.

Resignations.

It is with sincere regret that we record the resignations of four of the senior members of the staff, viz., Dr. J. G. Davidson, Professor H. T. Logan, Dr. Jennie Wyman Pilcher and Dr. W. A. Carrothers. They had all been connected with the University for a long time, and the first two had been members of McGill University College of Vancouver.

Dr. J. G. Davidson

Near the completion of a year's leave of absence, 1936-37, Dr. Davidson submitted his resignation. As a member of Faculty he gave unstintingly of his time, energy and ability not only to his work in the Department of Physics but to student affairs generally and to athletics and scholarships in particular. His colleagues wish him many years of sunshine and happiness in the Sunny South to which he is going.

Professor H. T. Logan.

For a year or more Professor Logan had been on leave to assume the Principalship of the newly established Fairbridge Prince of Wales School at Duncan. The appeal of the School was doubly strong to him, not only because of the work the School undertakes, but also because he had been a close personal friend of the founder whose name the School bears. Last March, Professor Logan decided to remain permanently with the Fairbridge School and accordingly severed his connection with the University. His loss is keenly felt not only in his Department of Classics but throughout the University. Like Dr. Davidson he had for several years been a member either of the Committee on Student Affairs or of the Scholarship Committee. The Faculty wishes him success and happiness in his new sphere.

Dr. Jennie Wyman Pilcher.

A native of New Zealand where she received her early training and after graduate studies at Stanford, Dr. Pilcher came to us in 1926 with a sound knowledge of modern psychological and educational theories. Her work in the Departments of Philosophy and Psychology and of Education has had a far-reaching and profound influence upon the teaching profession in this Province. She leaves us to join her husband, lately transferred to San Francisco. She takes with her the best wishes of a wide circle of friends.

Dr. W. A. Carrothers.

Dr. Carrothers came to us from The University of Saskatchewan in 1930. He had not been in the Province long before his advice was sought by the Provincial Government on various matters of an economic nature. For a few years he gave part of his time to the work of the Economic Council and later to the Bureau of Statistics and Economic Research. As recorded above, he gave last year full time to the Provincial Government and last spring was appointed Fuel Commissioner necessitating his resignation from the University. He was a very popular lecturer not only in the class room but on the platform and his close connection with practical affairs enriched his usefulness in the Department of Economics. We wish him success in the difficult task he has undertaken.

At the conclusion of the Special Congregation in August last, the Faculty met in the Board Room to express their best wishes to their departing colleagues. Only Dr. Davidson and Dr. Pilcher could be present. Dr. Weir, the Minister of Education, and Dr. Mack Eastman of the League of Nations, Geneva, were among those present at the Faculty meeting.

Death of Thomas Carlyle Hebb.

Dr. Hebb's short illness and death came as a great shock to us all. He had been connected with the University since 1916, and had been head of the Department of Physics since 1920. He was an outstanding scientist and one of the best teachers in the University. The writer of this report was very closely associated with him because of the relationship between the Departments of Physics and Mathematics and also because Dr. Hebb had had control of the time-table for nearly twenty years. He was always obliging and cordial, beloved for his geniality and admired for his ability.

Conclusion.

In conclusion the Dean wishes to express his appreciation of the cordial and whole-hearted co-operation of the members of the Faculty and Staff.

Respectfully submitted,

D. BUCHANAN,
Dean.

REPORT OF THE DEAN OF THE FACULTY
OF APPLIED SCIENCE

In my report for the academic year 1936-37, I listed a few of the important changes which had been made in the curricula. During the session for which I now have the honour to report, further changes have been made in courses in order to bring them more in harmony with those of other leading institutions on this continent by placing more emphasis on subjects which are becoming increasingly important in their practical application. Some of the more important changes are listed below.

1. The course in Chemistry as distinct from that in Chemical Engineering has been dropped from the list of courses offered by the Faculty of Applied Science.
2. The courses in structural design have been extended and the time devoted to advanced theory of structures has been reduced. A course in advanced structural analysis for graduate students has been introduced. The course in water power development has been extended. The course in geodesy has been dropped, although some instruction in geodetic surveying will be given in the field work course.
3. The courses in illuminating engineering and the various applications of electron tubes have been extended. Mathematics 8 and 9 have been combined into one course, "Advanced Calculus and Differential Equations", offered to fourth year students in Mechanical and Electrical Engineering.
4. The courses in Metallurgy and Ore Dressing offered to students in Mining and Metallurgical Engineering have been extended. The course "Mining 6" has been dropped.
5. The courses in Preventive Medicine, Principles of Public Health Nursing, Practice of Public Health Nursing, offered to students in Nursing and Health, have been extended.

Departmental reports indicate increasing difficulty in accommodating the large classes enrolled. There is definite congestion in the laboratories where instruction is provided for students in Chemical, Electrical, Geological, Mining and Metallurgical Engineering. An additional research laboratory in the Mining Building and increased space in existing laboratories are urgently needed. I trust that it will be made possible to provide this space at an early date.

Some additional equipment has been obtained during the year. A superpanner and an infrasizer in the Mining Building have been of great value in the analysis of fine mineral products. A Brinell machine for the determination of hardness has been purchased for the Civil Engineering laboratory. Thanks are due to the British Columbia Electric Railway Company Limited for the donation of two high tension transformers to the Electrical Engineering laboratory.

Important research work has been done by professors and students in nearly all departments. The financial assistance given by the Board of Governors for research work is appreciated.

I wish to thank the members of the governing boards, the members of the staff and the students for their helpful co-operation in everything affecting the interests of the Faculty.

Respectfully submitted,

J. N. FINLAYSON,
Dean.

REPORT OF THE DEAN OF THE FACULTY
OF AGRICULTURE

The 1937-38 academic year was not unusual. The work of the Faculty was carried on as per budget and calendar, and every effort was made to maintain a high standard of efficiency. The budget provided adequately for current supplies, equipment and staff, and consequently such inefficiency as did exist was due primarily to one factor - namely, the crowding of students in laboratories that originally were constructed to accommodate about half the number of students.

Registration was well maintained, the total number of all grades being 103. As intimated in the last report, a fair proportion of the students, especially those looking forward to careers in academic work, registered for post-graduate studies. This tendency also brings additional pressure on the laboratory space, supplies and equipment.

The students who received degrees in the spring of 1938 have, for the most part, been absorbed into business and industry. The demand for trained men has been somewhat stronger during the past two years than for any similar period that I can remember.

The largest increase in enrolment during the past three years, and especially for the year 1937-38, has been in First Year classes, and consequently the difficulties of accommodation that were felt first in the upper years have now spread to the First and Second years.

Progress was made in the following researches:

- (a) British Columbia Fish Oils as Sources of Vitamins A and D.
- (b) Activators for Enzymes.
- (c) Causes of Raspberry Failure.
- (d) Coccidiosis in Poultry.
- (e) Fowl Paralysis.

These researches will be reported in detail when budget items are under consideration in February or March.

The researches being conducted by the various Departments, while valuable from the standpoint of contributions to

industry, have an additional value in that they stimulate interest and activity in all Departments. This latter value I consider of marked importance.

I regret to report the loss by fire of the building known as the Paralysis Research Building. This structure, together with its equipment, was a total loss to the extent of \$2,300.00. Plans are well under way for the construction and equipment of a new building on a new site.

On July 1, 1938, Dr. Stanley Wood, Instructor in the Department of Animal Husbandry, was promoted to Associate Professor of Animal Husbandry and made responsible for all the instructional and research work in Animal Pathology. I consider Dr. Wood to be a valuable acquisition to the staff of the Faculty of Agriculture.

Some difficulties have been experienced in dovetailing the work in Poultry Pathology and Animal Pathology. The work of both divisions can be carried on only in the Animal Pathology Laboratory in the Agriculture Building. The room is much too small for the volume of work that must be undertaken from day to day, and consequently consideration will have to be given almost immediately to the extension of this laboratory.

During the summer two new silos were built by the Department of Animal Husbandry. These are of a type known as the wooden hoop silo. They are somewhat of an experimental nature, but have proved of great interest to farmers who have observed them.

The blood testing of poultry, conducted by the Department of Animal Husbandry, was carried on, as during the previous year, under the direction of Dr. J. G. Jervis. During the regular testing period a total of 183,863 samples were tested. Of these, 4,782, or 2.6%, indicated the presence of pullorum disease. The work was done at a cost to the poultrymen of one cent per sample, and at the end of the year the special account showed a surplus of \$159.25.

The co-operative experiments conducted by the Department of Agronomy and the Dominion and Provincial Departments of Agriculture included work in alfalfa studies, barley studies, pastures and potatoes. Progress was made in all of this work during the year. Arrangements were made with the Provincial Department of Agriculture whereby the Department of Agronomy would grow certain quantities of elite seed (Victory Oats) to be used by the Soils and Crops Branch of the Provincial Department. This work is being extended.

The Department of Agronomy appreciates the grant of \$200.00 to provide the necessary student assistance for examining soil samples that are sent to us from various parts of the Province. These samples are sent in for examination, and even though an effort is made to keep the number as low as possible, approximately one hundred samples passed through the Department of Agronomy in the 1937-38 year.

In the Department of Animal Husbandry marked progress was made with the control of the various diseases common to the dairy herd. Examinations have been made regularly, and at the present time conditions in the herd appear to be approaching normal. There has been no new "flare up" of Bang's disease.

Under the auspices of the Extension Department, the Animal Husbandry staff organized and carried through a Field Day for Live Stock Breeders and Veterinarians. The programme featured "artificial insemination" and breeding and sterility problems of dairy cattle. Dr. Fred McKenzie, a graduate of The University of British Columbia and now a member of the staff of the University of Missouri, was the guest speaker.

The Department of Animal Husbandry also acted as host to the Pacific Northwest Veterinary Association during its convention in Vancouver the first week of August, 1938, by providing facilities for a large and a small animal clinic. The demonstrations were a marked success.

Vegetable trials in co-operation with the Dominion Department of Agriculture have been carried on by the Department of Horticulture during the past summer. The Department is one of the official Dominion Testing Stations. Good progress is being made with the work.

During the year the reconstruction and equipment of the Incubator House as a laboratory for the Department of Poultry Husbandry was completed. This makes possible the holding of laboratory classes in Poultry Husbandry close to the poultry plant. The laboratory accommodates approximately twenty-four students and adds materially to the efficiency of the work in the Department of Poultry Husbandry.

Special reference should be made to the popular bulletin on "Practical Poultry-Feeding" prepared by Professor Lloyd and Mr. Biely, and published by the Provincial Department of Agriculture. This bulletin brings up to date scientific information on the feeding and management of poultry. It has been in great demand.

During the year the number of requests for assistance received by the Department of Dairying from individuals faced with difficulties in relation to their dairy enterprises has increased very markedly. The requests for information with regard to cheese manufacture are definitely on the increase. Requests to this Department are usually of a very technical nature, and many of them cannot be answered without first conducting a certain amount of work in the laboratory or in the library. These requests, when added to the regular departmental, teaching and research endeavours,

may make necessary the appointment of an additional highly qualified professor in this Department.

I wish to acknowledge with sincere thanks the receipt of a special grant of \$500.00 from British Columbia Packers Limited, to assist in carrying out certain research work with fish meals and peat soils. This work is well under way and I feel that a valuable contribution to industry is being made.

Respectfully submitted,

F. M. CLEMENT,
Dean.

REPORT OF THE DEAN OF WOMEN

During the year ending August 1938, work among the women students was carried on as in previous years, the newest and the most important development being, perhaps, the increasing interest in Physical Education from the point of view of physical development for the students as a whole rather than of special achievements in games on the part of a few with outstanding ability in athletics. Although it has not been thought possible with the present equipment to introduce the compulsory courses for which the major Universities in Canada make provision, the voluntary attendance in the gymnasium classes has shown the importance which the students attach to the work as conducted by Miss Gertrude E. Moore. The comments of the spectators upon the contribution of the Women's Gymnasium Classes to the last "Open House" Day at the University are evidence of the appreciation of the parents of students and other visitors on this occasion.

Already it has been demonstrated that not only does the work in physical education add to the physical development of the women students through the training and the development of health habits generally, but also, that it convinces the students of the desirability of inter-class and inter-faculty games over those of the league games where the time and the conditions under which they must play are arranged by a committee with a complete disregard for time tables and examination schedules and the general conditions of student life.

Another development of importance is a growing change in attitude on the part of the sororities to the University. A sense of responsibility and the placing of the claims of the University before the claims of the Sorority have been exceedingly hard to develop, largely because of the influence of the affiliation with the Sororities of the United States and the unwarranted stressing of the importance of the head office of the organization. Gradually however, a new attitude has been developing which has shown itself in a number of ways and which will probably become more evident during the coming year. The assistance of the Alumnae members of a number of the groups has been enlisted and will have an important influence on the plans which are being formed.

The Phrateres organization which came into existence three years ago has grown in influence, maintaining the finer features of the sorority system without the less desirable. The organization aims to get into its membership the unsocial and the socially inexperienced girls, and to bring them together under conditions which will break down the inhibitions caused by timidity, supersensitiveness, lack of money and other causes, and which as a consequence, will help to prepare them for the experiences they will meet after leaving college. The fees are kept at the minimum - \$2.00 a year, and provision is made, without embarrassment to the students concerned, for membership for those who cannot afford even this small amount. Meetings are held in the afternoon between lectures and dinner, in a room near the campus, and membership is open to all who apply.

Another activity which has been reorganized and made of increased value to the women students is a class in the conduct of meetings and in public speaking. This was attended largely by senior students and women officers in the various executive committees.

The many needs of the women students have been met in whole or in part according to the character of the assistance required. Advice has been given as usual in connection with the choice of vocations and the appropriate courses of study. In this connection it is interesting to note the growing disposition on the part of the University women to enter the business world and the increasing opportunities for them. A number of times during the past year requests were received from business houses for University graduates to serve in various capacities.

The perennial need for residence accommodation for students from out of town and especially for a Students' Union Building grows increasingly insistent, and prevents development along a number of exceedingly important lines.

The perennial need for financial assistance also remains without completely satisfactory solution. However the small bursary fund disbursed from the Dean of Women's office grows from year to year, partially because of the returns made to it on the part of graduates who were assisted financially during their student days.

Respectfully submitted,

MARY L. BOLLERT,
Dean of Women.

REPORT OF THE DIRECTOR OF
THE SUMMER SESSION

The nineteenth Summer Session of the University of British Columbia opened on July 4th, 1938 and closed on August 18th, 1938. (The change in the date of closing was due to the appropriation by Senate of Friday, August 19th, for a "Special Congregation in Honour of the Canadian Bar Association".)

The enrolment for the session classified by college years follows; for purposes of comparison the corresponding figures for the three preceding years are given in parallel columns.

	<u>1938</u>	<u>1937</u>	<u>1936</u>	<u>1935</u>
Partial	5	18	19	9
First Year	74	89	118	98
Second Year	231	202	204	143
Third Year	80	74	66	66
Fourth Year	90	73	49	52
Graduates	179	183	110	95
Social Service	21	32	--	--
Auditors	<u>41</u>	<u>--</u>	<u>--</u>	<u>--</u>
	721	671	566	463

The enrolment of students seeking University credit is practically at a standstill. The statement made by the Bursar's office will show that revenues have actually fallen off, a falling-off that is accounted for in great part by the method of collecting fees from graduate students; over seventy had already completed the payment of the fee of Seventy-five Dollars set for graduate students and so made no contribution to the revenues of the 1938 session.

The staff was increased from 37 in 1937 to 41 full-time and three half-time instructors. Of these one full-time instructor and all three half-time instructors were employed to give courses not for University credit but to satisfy the requirements of the Provincial Department of Education. As in previous years lecturers were brought in from all parts of Canada and the United States, several of them men not only of national but of international reputation. The institutions whose staffs were drawn upon were New Brunswick, Queen's, Toronto, Manitoba and Alberta in the Dominion of Canada; Harvard, Temple, Columbia, Syracuse, Western Reserve, Michigan, University of California and Stanford in the United States; while the Psychological Service of Columbus, and the Educational Department of Providence sent experts in their respective fields.

In the report for the session of 1937 proposals were made for a modification of the rules governing Major and Minor fields of study in the upper years especially in the Natural Sciences. The end desired is being attained in another way: the courses offered in Chemistry, Physics and Biology were extended and at the same time the policy was adopted of putting the curriculum on a permanent

footing thus giving students assurance that it would be possible for them to proceed to their degrees in these subjects.

During the summer the Director took advantage of the presence of Dean Buchanan to draw up, submit to the Heads of Departments as far as they were accessible, and communicate to the students a tentative curriculum for the years 1939 and 1940, which with the curriculum for 1938 might form a permanent cycle of courses. But a permanent curriculum without a permanent time-table is very little better than no permanent curriculum at all. So a time-table for both years was also framed and placed in the hands of the students.

In my report of a year ago I asked for an expenditure in 1938 slightly in excess of the revenue for 1937 and expressed a hope that such an expenditure would be well within the revenues. My request was granted in full, but my hopes were sadly disappointed; the revenue fell some two thousand dollars short of the expenditure. The causes or at least the most important of them have been already set forth. Here all that is necessary to say is that they will continue to operate in 1939. The pressure of the competition of the Summer School of Education at Victoria will probably continue, perhaps become more severe. The proposed increase in fees will not, I am afraid, do much to make up the difference, in fact its effect will be all the other way. We have none too secure a hold upon the Upper Country today; a great many who should be ours are already going to the University of Alberta and more will go.

Under such conditions it will be necessary to reconsider our financial set-up considering (1) whether the university administration should maintain its present policy of insisting that the Summer Session should, apart from overhead costs, be self-supporting; (2) whether the number of outside lecturers might not be lessened so far as to reduce the item of travelling expenses by at least one thousand dollars.

Last year's report was written in a mood too optimistic but a mood that seemed justified by past experience. This year's report may err as much on the side of pessimism. At any rate instead of looking to further development in the immediate future I shall be very well pleased if we maintain the gains that we have made.

Once more it is my privilege to record the kindness and good will that I have met with from everybody connected with the University, and to express my gratitude to all concerned for what has been a very happy experience.

Respectfully submitted,

LEMUEL ROBERTSON,
Director of Summer Session.

EXCERPTS FROM THE REPORT OF THE
DIRECTOR OF UNIVERSITY EXTENSION.

(The complete report has been issued as a separate)

Introduction.

When the University of British Columbia entered the field of adult education it did so because there was a demand that facilities be provided for the continued development of the intellectual resources of the Province with a view to increasing the effectiveness of the training in technical and vocational fields and at the same time increasing the opportunities for cultural and leisure time activities. Since the Department was established in 1936 the service rendered has been steadily expanded and, in addition, every effort has been made to encourage other agencies to promote adult education. The period under review covers the work accomplished during the second year.

The past year has been an important one, and in many ways a difficult one. Unfortunately the Carnegie Grant, which had been used to finance Extension work at the University since 1935, was exhausted in August 1937 and consequently the department has been carrying on its work during the past year with limited funds from the University budget.

However, it is hoped that this report will indicate that, in spite of its limited financial resources, the department has shown a considerable increase in its activities during the past year. It will show further an increased response on the part of the public to the educational opportunities, both vocational and cultural, which have been provided by the University through the Extension service.

A study of this report will indicate that during the past year the University has made a real effort to provide in some measure the opportunities whereby adults in even the remotest sections of the Province may keep in contact with the arts, with natural and social science, with political and economic developments, and, in short, with the life and thought of their provincial University. As a result, the University is becoming firmly established as the centre of the cultural life of the Province. Some mistakes have been made, but it is believed that something definite and practical has been accomplished in the rapidly developing field of Adult Education.

Policy.

During the past year, as heretofore, it has been the policy of the department to serve, as far as possible, all sections of the Province, particularly the more remote urban centres. Since funds for the work have been limited, an effort has been made to

explore new media for the equalization of the educational opportunities offered by the University. In this connection emphasis has been placed upon the use and development of the radio and the directed study-group. In all phases of the work the main effort has been directed towards providing an educational programme with a constructive purpose and with some degree of continuity.

Programme.

The educational programme of the department during the past year may be discussed under the following headings:

- Extension Lectures
- Evening Classes
- Short Courses
- Study Groups
- Radio
- Extension Library Service
- Summer Courses
- Visual Education
- Fine Arts
- Agriculture.

Radio.

Fully appreciating the advantages offered by radio in reaching the most isolated communities of the Province, the department offered for the first time a programme of educational broadcasts. In order to undertake this work, it was necessary to establish a radio studio at the University. A studio adequately equipped and sound-proofed was constructed in the Agriculture Building and the initial broadcast was given on October 26th. At times during the past year as many as eleven broadcasts a week were given from the University studio.

Although the convenience of the studio facilitates the offering of programmes, its greatest usefulness is in connection with rehearsals. Now that adequate facilities are available for this purpose, it is expected that the quality of some of the University programmes will improve.

The programme which made the most far-reaching appeal proved to be "The University Drama School". The success of this programme is shown by the fact that "listening groups" were formed at 122 centres throughout the Province. These corresponded regularly with the department of Extension, and sent in many requests for plays books and other information regarding the theatre. The cost of this course was borne largely by the Canadian Broadcasting Corporation.

An outstanding single programme was the one-hour broadcast in the series presented by the Canadian Universities. This was presented from the stage of the Auditorium on March 31st from 12:00 to 1:00 p.m. over the Western network. The programme was arranged by the Department of University Extension in conjunction with the production staff of CBR and Mr. Brodie of Ottawa.

Summer Courses.

During the 1938 Summer Session, two Summer Courses were offered by the department of Extension - - one in Dramatics and the other in Athletics.

Drama Course

The University had the good fortune to secure Miss Ellen Van Volkenburg as Guest Director of the "Summer School of the Theatre". Her inspiring presence and excellent work did so much to stimulate the development of dramatic work in this Province, that this past summer will be looked upon as one of the landmarks in the history of dramatic art at this University.

Visual Education

Documentary Film.

Considerable progress has been made in the preparation of a documentary film depicting the history and life of the University.

Films of the 1915 and 1920 Congregations, the 196th Western University Battalion, and the 1922 Students' Campaign have been obtained and reduced to 16 mm. These are being edited and will be available for loan to the Alumni Association and other organizations.

Youth Training Plan.

During the past three years the problem of farmers from other provinces and other countries migrating to British Columbia has become more and more acute. These farmers, being unacquainted with the farming and climatic conditions in this Province, have experienced much distress.

With a small grant under the Dominion-Provincial Youth Training Plan, the department undertook to give two short courses for young people in the rural areas. The courses were conducted on an experimental basis, and no attempt was made to reach all points of the Province. Ten centres in the Fraser Valley were chosen where lectures might conveniently be given. The instructors moved from one centre to another using rented trucks to carry their equipment.

Conclusion.

The speed with which human knowledge is accumulating makes it a matter of paramount importance that the University - - in addition to its concern with valuable teaching and scholarly research - - should devote a portion of its energy to the dissemination of this knowledge. Thorndike says, "The provision of opportunities whereby adults can learn those things which they are able to learn,

and which it is for the common good that they should learn, is a safe philanthropy and a productive investment for the nation."

Through the work of the Department of University Extension, the University has opened its doors to a large group of earnest men and women who feel the need for more training, more background, and more knowledge of the physical world in which they live. It is hoped that as the work of the Department grows and develops, it will become more and more vital in the educational life of the Province.

Respectfully submitted,

GORDON M. SHRUM,
Director of University Extension.

EXCERPTS FROM THE REPORT OF THE DIRECTOR
OF THE UNIVERSITY HEALTH SERVICE.

(The complete report has been issued as a separate
Change of Staff.

Mrs. Celia A. Lucas was on leave of absence from May, 1937 and found it convenient to retire from the service at the end of the 1938 spring term. She has devoted many unselfish years to the cause of public health in British Columbia. In the fall of 1927 she was appointed Public Health Nurse to this service and this marked the commencement of the continuous operation of a full-time local health department. On her rested the difficult task of initiating the work, establishing routines and record systems which have eased the work of her successors. Her genuine interest in the students and her conscientious devotion to duty have left her many appreciative friends and colleagues. We wish her many happy years and trust that in her retirement she may find an interesting outlet for her energies and talents.

Mrs. Lucas was succeeded by Miss Muriel Upshall, formerly Public Health Nurse in the Richmond Sub-Unit of the Metropolitan Health Area. She entered her new duties with enthusiasm and executed them this year to our entire satisfaction.

Through the generosity of the Provincial Board of Health, sufficient money was granted to employ a clerk for the busiest times of the year and she was on duty until March 31st.

Tuberculin Testing and X-ray examination for Tuberculosis.

Because Tuberculosis is the greatest cause of death among people of college age we decided to make a concerted effort to limit this disease among our students. To commence our anti-tuberculosis programme this year we offered each new student a tuberculin test and subsequent X-ray of the chest of all positive reactors. From November 22nd to 26th, inclusive, we tuberculin-tested 283 persons who presented themselves. We found 75 percent of these students showed positive tuberculin tests.

This survey, of course, does not represent a fair cross-section of the tuberculin sensitive state of our students because:

1. The test was offered to students on a voluntary basis.
2. We insisted that contacts of cases take the test.
3. In the group are all those found, on physical examination, to have symptoms suggestive of tuberculosis.

Thus, the group that was tested contained a predominance of persons who were more likely to show a positive tuberculin test. Until a complete survey is made on the student body as a whole, distributed according to age, we cannot fairly compare the incidence

of tuberculin reactors in our students with the surveys of other Universities on this continent.

Immunizations.

The Health Service found that 21.2 percent of the 2216 students this year gave no history of smallpox vaccination. During the year 69 smallpox vaccinations were done. Other immunization procedures were done from time to time as conditions required them. We feel that in the future more preventive inoculations should be given this highly susceptible group of people and will attempt to build up this part of our programme.

Sanitation and Examination of Food Handlers.

One of the duties of the Health Service is the supervision of campus sanitation.

A survey of lighting in the library was carried out with the cooperation of Mr. Lee, the Superintendent of Buildings, and Mr. Ridington, the Librarian. New lighting was placed in the carrels where the illumination was found to be most inadequate.

The cafeteria has regular sanitary inspection by the Medical Director and Public Health Nurse. All employees receive a complete physical examination with blood tests and X-ray examination of the chest. The full staff of 13 were each examined this year. The new dishwashing and sterilizing equipment in the cafeteria are great advantages in the sanitary handling of the food here.

Report of the Summer Session, 1938.

The Health Service provided the same facilities as were initiated in the summer of 1937. The Public Health Nurse was on duty each school morning and the Medical Director was available for consultation by appointment.

New Needs of the Health Service.

One of the most obvious health requirements of the student body is some provision for advising and guiding the student who shows definite social maladjustment. This includes those who show early signs of schizophrenia, anxieties and worries. Those students who left college because of "nervous breakdown" or who were handicapped during the year by neurotic symptoms, were usually recorded at the time of their entrance examination as requiring psychiatric guidance and treatment. It is difficult to convince these students of the need for treatment because few of them have an insight into their own mental aberrations. Universities with more personnel on their Health Services have found the appointment of a psychiatrist to their staff to be most fruitful in the prevention of mental morbidity. His services are for the guidance and treatment of those students who require such special care.

Another need often felt is some means of obtaining treatment for sick students who refuse to call a physician because they cannot pay him. We often wish for a "Sick Fund" which might meet such emergencies.

I would take this opportunity of gratefully acknowledging the interest that the Deans of each Faculty have taken in the work of the Health Service. The cooperation of the members of the Faculty and the appreciation of the student body have been most encouraging.

We are glad to enjoy a closer working arrangement with the Instructors in Physical Education, whose purposes are in sympathy with our own.

For me the year has been most enjoyable and the work has been greatly aided by the loyal, unselfish cooperation of my colleagues of the Metropolitan Health Committee staff.

Respectfully submitted,

KENNETH F. BRANDON,

Director, University Health Service.

REPORT OF THE INSTRUCTOR IN PHYSICALEDUCATION FOR MENGeneral Statement.

The Physical Education programme for the session 1937-38 was divided into three major divisions: voluntary classes, intramural athletics and inter-collegiate athletics.

The voluntary classes in Physical Education have served between 250 and 300 men during the past year. Many activities were offered in addition to classes in general conditioning and individual corrective work.

The intramural programme was organized and controlled by a committee composed of ten class representatives, the sports editor of the Ubysey, and the Director of Physical Education. Over 650 students participated in this programme.

This year's expenditures in Physical Education have been allotted and controlled in direct co-operation with the women's division.

Suggestions.

One of the main objectives of Physical Education at The University of British Columbia is to foster inter-collegiate athletics of a high calibre. Meanwhile, it is imperative that our athletic teams be managed by capable men who are interested in the welfare of the individual student. It is suggested that the Physical Education committee take a more active interest in the men selected to coach the various teams.

Plans are now being discussed to construct, in the north dressing room of the Gymnasium, racks for a basket system which will accommodate 1080 students. The racks will be completed by January 1939 and 400 baskets will be purchased.

The entire programme of Physical Education is becoming a more important problem each year. With 300 men listed for the voluntary classes, 350 for campus sports and 700 for intramural athletics, the time has come when consideration should be given to a more permanent plan of organization and administration of Physical Education at The University of British Columbia.

Respectfully submitted,

MAURICE VAN VLIET,

Instructor in Physical
Education for Men.

REPORT OF THE INSTRUCTOR IN PHYSICAL
EDUCATION FOR WOMEN

Interest and attendance in Physical Education activities increased during the year 1937-38. Approximately seventy-five per cent of the women were registered. Attendance in morning classes, which included instruction in sports, gymnasium work and dancing, was slightly over one hundred students. The programme included in the various classes: Gymnasium (Marching, Rhythmics, Floor Work, Tumbling and Mat Work, Light Apparatus); Dancing (Folk, Tap, Character and Gymnastic); Badminton; Archery; Volley Ball; Group Games; Basketball; and Golf.

Competition was provided through inter-class matches, mixed teams competing in various sports, and through class teams, sorority teams and phrateres teams in intramurals in Badminton, Basket Ball, Volley Ball and a Swimming Tournament. The University of British Columbia entered an Archery team for the first time this year in an Inter-Collegiate Telegraphic Archery Tournament with Eastern Universities. This aroused a great deal of interest both within the University and through the Province. The University of British Columbia placed seventh in eleven teams. It may be of interest to note that a woman on one of the Eastern University teams to make the highest score of her team and one of the highest scores made, learned to shoot in Archery at The University of British Columbia.

During this year there has been a marked recognition by the students of the relationship of health and physical education. Charting of posture was done as formerly by the Physical Director, who also gave as usual a series of lectures on Healthful Living. Through the influence of the physical education work, a considerable number were persuaded to avail themselves of the opportunity of medical examination through the Metropolitan Health Board.

A class in Recreational Leadership included theory and practice and supplied material for the use of leaders in playgrounds, schools, community centres, etc.

One hundred women took part in the programme of dancing, tumbling and floor work given in the Gymnasium at Open House.

The objectives in drawing up the programme in Physical Education for women are, to meet the needs and interests of women students in regard to personal health; to encourage the use of leisure time in the maintenance of health through sports which students may continue after college; and to provide and develop leadership in organizing and managing recreational activities for girls.

Respectfully submitted,

GERTRUDE E. MOORE,
Instructor in Physical
Education for Women.

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

1. INTRODUCTION.

By maintaining a high standard of instruction and efficiency, the University of British Columbia Contingent of the Canadian Officers' Training Corps has steadily increased in prestige and public esteem. The excellence of the work of the contingent during the past year is reflected in the increase in the enrolment and in the high relative standing attained in the theoretical and practical work of the unit.

The University Contingent has recently been recognized by the Army Council of the War Office, and placed on the list of Universities where student members of the C.O.T.C. who are qualified in "A" and "B" Certificates, may be nominated for Commissions in the British Army.

The University rifle team was again successful in winning the Annual Inter-University Rifle Competition in November, 1937. Thus in two consecutive years the University of British Columbia, in open competition with other Canadian Universities, has won this match.

Sergt. Depoe brought further recognition to the U.B.C. Contingent by making the highest standing of any Canadian candidate in the War Office examinations for Certificate "B" (Captain's Examination). Lieut. J.R.Roberts and Lieut.R.S.Clark tied for third place. This University, therefore, had three candidates among the first four places in Canada in the senior War Office examination for University C.O.T.C.'s.

2. TRAINING.

(a) Fall Term.

The parades were held on Tuesday nights from 7:45 p.m. to 10:15 p.m. at the Seaforth Armouries.

The "A" and "B" certificate instruction was carried on at the Armouries during the regular parades, and also at the University during periods which were assigned for this purpose.

(b) Work Point Barracks.

During the Christmas vacation a party consisting of fifty-four, all ranks, engaged in training at Work Point Barracks, Victoria. The course was conducted by Permanent Force Officers and Instructors. The subjects taken were Drill, Defence Against

Gas, Bridging, Map Reading, and Tactics. As far as possible the work was of a practical nature, the lectures being followed by demonstrations on the actual ground. Although weather conditions were very bad, no sickness developed; and all ranks showed a keen interest in the training.

(c) Spring Term.

The parades, starting in January, were continued at the Seaforth Armouries. Preparation for "A" and "B" certificates was carried out as in the Fall Term.

3. EXAMINATION RESULTS.

A summary of the results of the War Office Examinations for Proficiency, which were conducted at the University of British Columbia, is as follows:

Certificates "A" and "B" Infantry.

	Certificate "A" Infantry	Certificate "B" Infantry
Candidates writing:	23	6
Candidates passing:	21	6
Percentage passing:	91.3%	100%

The \$25.00 Prize for the highest marks in Canada for the Certificate "B" examination was awarded to Sergt. Depoe, of the U.B.C. Contingent. This prize is presented each year by the Infantry and Machine Gun Association of Canada.

The Third Prize was divided between Lieut. J. R. Roberts and Lieut. R. S. Clark, also of this Contingent. The success of these candidates provides very ample and concrete evidence of the standard of the training offered by this unit.

Sergt. Depoe was awarded also the Infantry and Machine Gun Association (M.D.No.11 Branch) Prize for the highest marks for the Certificate "B" candidates at the University of British Columbia.

Sergt. Pickell was awarded the corresponding prize for the highest marks in the "A" Certificate Examination.

(b) Canadian Small Arms School.

Two officers attended the Canadian Small Arms School at Camp Sarcee, Alta., and were successful in passing the examinations.

(c) School of Signals.

Two members of the Contingent were successful in passing examinations at Barriefield, Ontario.

Certificates.

Certificates will be awarded to twenty members of the Contingent.

4. RESULTS OF RIFLE COMPETITIONS.

Annual Inter-University Rifle Competition.

The University of British Columbia was successful in taking first place in this competition which was fired on November 21st, 1937. The Leckie Shield which was awarded to the person making the highest score in the match was won by Lieut. F. B. Jones with a score of 101/105.

The possible score in this match is 840 points.

The scores of the first three University Contingents in this competition were as follows:

University of British Columbia Contingent	757
Royal Military College, Kingston	735
University of Manitoba Contingent	705

(b) Classification.

Members of the U.B.C. Contingent carried out the prescribed classification on Blair Rifle Range in October and November, 1937.

The MacInnes Shield for the highest score in Classification was awarded to Sergt. Mann, for a total score of 103/115.

5. ANNUAL INSPECTION.

The Annual Inspection by the District Officer Commanding Military District No. 11, Colonel H. C. Greer and his Staff, took place on March 15th, at the Seaforth Armouries.

The Parade strength was as follows:

Officers.....	13
Other Ranks.....	76
Total on Parade.....	89

The inspecting officer commented very favourably on the excellence of the drill and on the general smartness and efficiency of the Contingent.

6. COLLAR BADGE.

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During the past year a collar badge has been authorized and will be issued to all members of the Contingent before the commencement of the next training season. The particulars of this badge are as follows:

Undress in brass, service dress in bronze. Argent three bars wavy Azure, issuant from the base a demi Sun in splendour proper, on a Chief of the second an open book also proper edged strapped and buckled Or, inscribed with the words "TUUM EST". Extreme height 1 and 1/8 inches. Extreme width $\frac{13}{16}$ inches.

7. SOCIAL ACTIVITIES.

The eighth Annual Ball was held at the Spanish Grill, Hotel Vancouver, on Thursday, March 17th. Members of the Military Committee, Officers of the Vancouver Garrison and others were guests of the Corps on this occasion.

A Church Parade was held on Sunday, February 13th at St. Helen's Church. Sixty from all ranks attended.

8. GENERAL COMMENTS.

(a) Comparative Statistical Record of the U.B.C. Contingent

During the past two years there has been a steady growth, not only in the number of students taking the training offered, but also in the interest, enthusiasm, and efficiency shown by the personnel of the Contingent. During the past year there has been an improvement in practically every phase of the work, but particularly in the standing at the War Office Examinations, in the average attendance at parades, and in the number of men qualifying as first-class shots.

Further evidence of the growth in the standard and efficiency of the training may be obtained from the results of the Inter-University Rifle Competition. Judging by this competition, the Contingent has, for the past two years, ranked first among Canadian Universities in shooting. During the past year the unit has ranked first also in the Senior War Office Examination. (Certificate "B") for Canadian C.O.T.C.'s.

(b) Training.

The training of the Contingent progressed very well during the past year. The introduction of Light Machine Gun training added interest to the general programme. The attendance at parades and rifle practices was exceptionally good, but it

would be greatly improved if adequate accommodation could be provided at the University for all the work of the unit. It is believed that the increase in efficiency of the corps and the saving of time for the students would warrant a determined effort to provide adequate training facilities on the campus.

The Contingent has now a full complement of qualified officers and N.C.O.'s, many of whom have had specialized training and are qualified as instructors. Thus, although it is still necessary to rely upon permanent force personnel for much of the instruction in the Contingent, an effort has been made during the past year to make greater use of the Cadet Officers and N.C.O.'s as instructors for the practical work. The record of the unit during the past year seems to indicate that this policy has met with a fair measure of success.

(c) Discipline.

There were no breaches of discipline of any kind during the year. The relations between all members of the Contingent and other N.P.A.M. Units were excellent.

Ordnance Inspection.

The ordnance inspection, carried out by the District Ordnance Officer on May 9, 1938, was very satisfactory. No shortages were reported.

The Annual Audit.

The Annual Audit of Regimental Funds was carried out on September 28, 1937, by a Board appointed for the purpose. The books and accounts of the Contingent were found correct. The financial statement for the current year shows a net revenue for the year of \$618.98 and a net expenditure of \$2120.90. The difference has been added to the Corps revenue.

Offers to Fill Posts.

During the past year, Officers, N.C.O.'s and Cadets, in possession of "A" and "B" Certificates have received many offers to fill posts as officers in the various militia units in the Province.

9. NOTE OF APPRECIATION BY COMMANDING OFFICER

Although the work of Q.M.S.I. --A.A.Smith, P.P.C.L.I.(I.C.), who has been with the Unit during the past eight years, has been consistently good, the success of this Contingent in Inter-University Competition during the past two years has served to emphasize the high standard of the work carried on by

this instructor. The Officer Commanding is deeply appreciative of his services.

The Officer Commanding wishes to record also, his appreciation of the assistance and co-operation afforded him by the Chancellor, the President, the Board of Governors, the Committee on Military Education, the District Officer Commanding M.D. No. 11 and Staff, the Officer Commanding The Seaforth Highlanders of Canada, the Officer Commanding the 14th Infantry Brigade, the Medical Officer attached, and all others who have contributed to the success of the Contingent.

Respectfully submitted,

GORDON M. SHRUM,
Lieut. Col.

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