

# THE PRESIDENT'S REPORT



For the  
Academic  
Year  
Ending  
June 30, 1967  
The  
University  
of  
Western  
Ontario

1967

REPORT OF THE PRESIDENT  
AND VICE-CHANCELLOR

to

THE BOARD OF GOVERNORS  
AND THE SENATE

For the Academic Year  
Ending June 30, 1967

The University of Western Ontario

London - Canada



Dedicated to  
G. Edward Hall  
President and Vice-Chancellor  
of  
The University of Western Ontario  
1947-1967  
with respect and admiration

## CONTENTS

	Page
Preface . . . . .	viii
Report by the President and Vice-Chancellor . . . . .	ix
The University Senate . . . . .	1
Faculty of Graduate Studies . . . . .	5
The Computing Centre . . . . .	17
Faculty of Arts and Science . . . . .	19
University College . . . . .	29
Middlesex College . . . . .	35
College of Science . . . . .	43
Talbot College . . . . .	53
College of Music . . . . .	57
Health Sciences . . . . .	61
Faculty of Medicine . . . . .	65
School of Nursing . . . . .	77
Faculty of Dentistry . . . . .	81
Faculty of Law . . . . .	93
Faculty of Engineering Science . . . . .	103

	Page
School of Business Administration. . . . .	119
School of Library and Information Science . . . . .	135
Althouse College of Education . . . . .	141
The Summer School and Extension Department . . . . .	151
Trois-Pistoles Summer School . . . . .	159
Huron College . . . . .	163
Brescia College . . . . .	167
King's College . . . . .	169
The University Libraries . . . . .	175
Department of Athletics . . . . .	191
University Athletic Association . . . . .	201
Office of the Registrar . . . . .	205
Department of the Dean of Men . . . . .	207
Department of the Dean of Women . . . . .	221
University Health Service . . . . .	227
Office of the Comptroller . . . . .	233
Department of Buildings and Grounds . . . . .	243
Alumni Association. . . . .	251
Museum of Indian Archaeology and Pioneer Life . . . . .	253
Joint McIntosh Committee . . . . .	255
President's Medals . . . . .	257
Canadian Officers' Training Corps . . . . .	259

	Page
105 University Squadron (RCAF) . . . . .	263
The Western Ontario Secondary Schools' Association . . . . .	267
Appendix A - Staff Changes . . . . .	269
Appendix B - Publications of the Faculty and Graduate Students .	297
Appendix C - Schedule of Research Funds . . . . .	367
Appendix D - Registration . . . . .	429
Appendix E - Ontario Scholarships 1966 . . . . .	433
Appendix F - The Deans' Honours List, June 1967 . . . . .	441
Appendix G - Full-time Enrollment in Universities and Colleges of Canada . . . . .	455

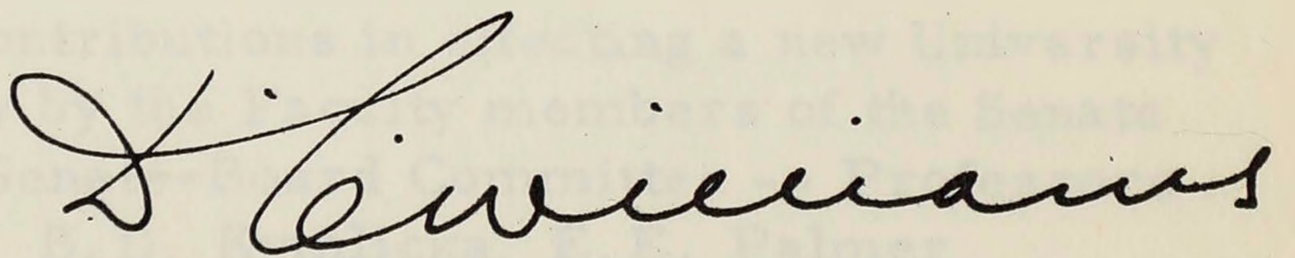
*[Faint signature]*

*[Faint text, possibly a title or name]*

P R E F A C E

This volume is dedicated to my distinguished predecessor, George Edward Hall. It is impossible to say whence the idea of a dedicatory volume came because it happened spontaneously. I say this because, as the various reports came in they contained tributes to Dr. Hall's leadership, his vision and immense capacity. No one had consulted his colleagues; it was as if each author had pledged himself to a friendly conspiracy of silence, writing personally and directly without the benefit of that hardy perennial of the groves of Academe, the Special Ad Hoc Committee.

It remains then for me to add my word of tribute and I do so with gratitude and enthusiasm. In the months preceeding my appointment Dr. Hall leaned over backwards to make sure that I knew what was going on, saw to it that I had a hand in making those decisions which had to be taken immediately even though their consequences might be long delayed. It will come as no surprise to those that knew him well that when I assumed office everything was up to date; reports, correspondence and filing. Everyone had been briefed and all was in readiness for me. He found a small flourishing College when he came. Thanks to him, I came to a great and growing University.



D. Carlton Williams  
President and Vice-Chancellor

REPORT OF THE PRESIDENT AND VICE-CHANCELLOR

TO THE BOARD OF GOVERNORS AND THE SENATE

THE UNIVERSITY OF WESTERN ONTARIO

1966 - 1967

The period from July 1, 1966 to June 30, 1967 was one of the most eventful periods in the recent history of the University. It was primarily during the early months of the past academic year that thousands of man hours of time, effort and hard work were expended by many members of the University family - the Senate, the Board, the Faculty, the Students and the Alumni - in reviewing "the government of the University" in the light of the now famous "Duff-Berdahl" report.

I use the term "family" advisedly in this particular context since major differences of opinions were expressed freely - and most of them resolved through discussion and compromises.

That the new proposed University Act was prepared and with the overwhelming approval of the Board, the Senate and the members of the Faculty of the University, submitted to and finally approved by the Legislature was due in no small part to the Chairman of the Joint Senate-Board Committee, Mr. A. E. Shepherd. His interest in preparing a "modern" new Act was intense and sustained. His clarity of thought and his vividness of language were only matched by the openness of his mind and by his refusal to allow the aims and objectives of the Committee's task to be obscured or blocked.

But Mr. Shepherd's contributions in effecting a new University Act were equalled in another way by the Faculty members of the Senate who were members of the Joint Senate-Board Committee -- Professors C.M. Carmichael, R.M. Dillon, B.B. Kymlicka, E.E. Palmer, J.A.F. Stevenson, H. B. Stewart and R. W. Torrens.

Their responsibilities were great indeed; their task uniquely difficult. As representatives of their respective faculties on the Senate and then as representatives of the Senate on the Joint Senate-Board Committee they were subjected to many pressures and many points of view. But their determination to be constructive, to be judicial, to be objective and to be forthright resulted in recommendations, compromises and decisions which will stand the test of time.



To these dedicated teachers and scholars every person in the University owes a debt of gratitude. Their services have been of inestimable value. They helped through their leadership to restore faith in the University. They rejected destructive approaches, they refused to be stampeded by emotional and sensational tactics. They argued their points in committee with feeling, with eloquence and with judgment. The final recommendations of the Committee were their recommendations, and to these they were committed by their belief that the recommendations had been honestly arrived at, that they were good recommendations and that they fairly met the needs of the University.

That the Board of Governors so enthusiastically endorsed the recommendations of the Joint Committee is in no small way a tribute to Colonel D. B. Weldon the Chairman. Colonel Weldon made it known officially, long before the Duff-Berdahl report was presented, that he would support the recommendations of the Duff-Berdahl Commission and do everything in his power to have a new University Act prepared for submission to the Legislature in our Centennial Year 1967. That such was done is yet a further example of his concern for the University, of his integrity and of his abilities.

It should be pointed out that the Board of Governors, in keeping with the proposed new University Act but long prior to its enactment, invited the Senate to name three of its faculty members to become Board "observers". The Senate "sent" to the Board - Dr. Robert E. Butts, Professor of Philosophy and a member of the Senate's Academic Policy Committee, Dr. Charles M. Carmichael, Professor of Geophysics and also a member of the Senate's Academic Policy Committee, and Dr. R. J. Rossiter, Professor of Biochemistry and Dean of the Faculty of Graduate Studies.

In keeping with another clause in the proposed University Act the Senate invited the University Students' Council and the Society of Graduate Students each to "send" a representative to sit as "observers" on the Senate.

When finally the proposed University Act became "The University Act, 1967" the Senate had official representation on the Board of Governors and the students had official representation on the Senate.

In the months and years ahead other universities will have their Acts amended or new ones authorized. Senate representation on the Board and student representation on the Senate will become the usual. Let us at Western recall with some satisfaction that we gave leadership to a new partnership in University Government.

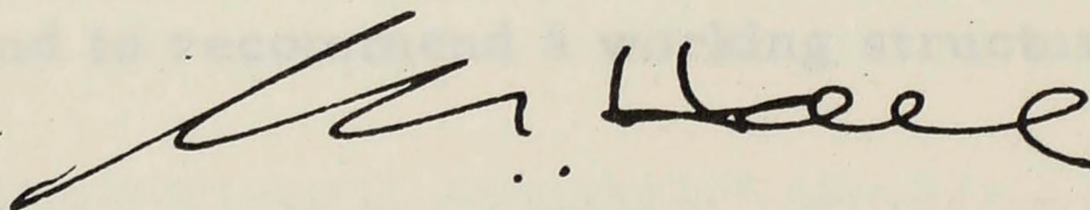
May Western continue to give leadership in those things which are valuable, honourable and good.

It is a temptation at this time to talk about the past 20 years, to recount the achievements of many persons, to relate many of the significant developments and to comment on the growing prestige of the University. But such accounts have already been recorded and we should remember that in a growing and developing University a mere 20 years is only a page in history.

I only wish that it was within my competence to express adequately my deep appreciation to the Chairman and the other members of the Board of Governors, to the members of the Senate, to the members of the Faculty and the supporting staff, to the Alumni and to the students for their tremendous support and for their understanding during the past twenty exciting, strenuous and eventful years.

The many generous tributes and gifts which I have recently received have been deeply appreciated. I leave Western grateful for the great opportunity which was afforded to me and indebted to my colleagues for the advances which their efforts have made possible. I leave, too, with the knowledge that my successor Dr. Williams, will enjoy the confidence of his new colleagues and that he will add significantly to the strength, the character and the reputation of Western. To him I extend my most sincere best wishes for a happy, stimulating and eventful Presidency.

The specific reports which comprise this "President's Report" record the many and varied activities of the University during the past year. I shall not attempt to summarize them or to highlight the more significant events. I commend them to you.



G. Edward Hall  
President and Vice-Chancellor

# THE UNIVERSITY SENATE

Report of the Secretary

Professor J. K. Watson

Four regular and three special meetings were held, in August, October, November, December, February, March and May.

## University Act

In December 1965 the Senate had established an ad hoc committee to examine the role of the Senate in the university, its functions, powers, duties and membership. The committee, under the chairmanship of Professor E. E. Palmer, completed its report in June 1966, and the Senate met in late August to consider its recommendations. In essence the report advocated new legislation to establish an academic membership for the Senate, representing the various university units, a close liaison with the Board of Governors to achieve coordinate action, and a community assembly.

In November the Senate approved the committee's final report in principle and authorized its representatives (May 1966) to draft a university act in collaboration with representatives of the Board, incorporating the essence of the report. In February a draft act was approved in principle, and in March the final draft was approved for presentation to the Legislature.

In May, in anticipation of provincial approval of the proposed Act, and in order to provide for an orderly transition to the reconstituted Senate, an ad hoc committee was established to recommend electoral procedures for it, and to recommend a working structure for policy consideration.

## Policy Committee

The Senate established a Policy Committee in May 1966 to act as its advisory body pending the creation of a Senate of academic membership. The membership of the new committee was defined as

the nineteen Senators elected to Senate by the various academic units.

From July 1, 1966 to June 30, 1967 the Policy Committee held 29 meetings of an average duration of three hours each; it is not possible to assess accurately the numbers of meetings of its sub-committees, or of the Board of Governors meetings on which Policy Committee representatives served, but an estimate might be hazarded at close to 200. By invitation 7 administrative personnel contributed to deliberations, 62 faculty members served on Senate study committees, making a total active involvement in Senate work during the year of just short of 90 people.

Policy was formulated on university development, admission requirements, scholarships, programmes, student affairs, qualifying year for progression to graduate work, community colleges, training of teachers, reorganization of departments, reorganization of the Faculty of Arts and Science, reorganization of Senate, representation on liaison and other committees of the Board of Governors, academic regulations, television council, summer supplements, appointments procedures and the University Act 1967.

### Graduate Programmes

Three programmes leading to Graduate Degrees were approved:

Doctor of Philosophy in Political Science  
 Master of Science in Computer Science  
 Master of Engineering (M. Eng.) in Engineering Science.

### Undergraduate Programmes

Three honours programmes were approved leading to B. A. degree:

Spanish Language and Literature  
 Latin and Spanish  
 Psychology and Philosophy.

A general three-year programme with a science or mathematics major was approved leading to a B.Sc. degree.

The curriculum for the second year in the Faculty of Dentistry was approved.

Bachelor of Science Medical Rehabilitation (Physiotherapy) was approved as the degree for the Physiotherapy programme in Medical Rehabilitation.

## Programme Revisions

The curricula for the second, third and fourth years of the B.Sc.N. Basic Nursing Programme and of the three year programme for Registered Nurses leading to the B.Sc.N. degree was approved.

The language requirement in the first year of Pre-Business was modified.

The optional course requirements of the second and third years of the General B. A. Programme and of the third year Home Economics Programme were expanded.

## Courses and Course Revisions

Permission was granted to Affiliated Colleges to offer:

Huron -- Philosophy 257, 460; English 263, 273.  
King's - History 41.

Fifty-one revisions in courses of the Honours Programmes in 14 Departments of the Faculty of Arts and Science were approved.

Twenty-eight revisions in the courses of the General Programme in 11 Departments of the Faculty of Arts and Science were approved.

Nine revisions to the courses in the fourth year of the Honours Programme in Business Administration were approved.

Approval was granted the Faculty of Engineering Science to add two courses to its second year programme.

## Division of Departments

In the Faculty of Arts and Science the Senate recommended the establishment of two Departments for the teaching of Mathematics.

In the Faculty of Medicine the Senate recommended the establishment of two Departments for the teaching of Psychiatry and Preventive Medicine.

## Additional Areas of Senate Deliberation and Resolution

Admissions 1968, T. V. Council, undergraduate grading system, establishment of an Owen Sound campus in connection with Summer School and the offering of a Summer School evening programme, student academic counselling, student Senate observers, alternates for elected Senators, terms of reference for the President's selection committee, space requirements.

### Convocations

At the first Convocation May 5, 1883, Bachelors Degrees were conferred on two students completing undergraduate programme and on two clergymen Honoris Causa.

The 199th Convocation was held in five daily sessions from May 30 to June 3, 1967. Nine Honorary Degrees, 318 Post Graduate Degrees, 1675 Undergraduate and 168 Diplomas were awarded. In 86 years, 30,437 people have been presented to Western's Chancellors for the conferring of academic recognition by this university.

# FACULTY OF GRADUATE STUDIES

## Report of the Dean

Professor R. J. Rossiter

During the year 1966-67 the Faculty of Graduate Studies has continued to expand rapidly. In July 1966, Professor N. L. Nicholson, Department of Geography, became Assistant Dean, Faculty of Graduate Studies. He was responsible for enquiries, admissions, registration, fellowships and scholarships. Professor Nicholson's wisdom and quiet efficiency greatly enriched the Faculty and his presence gave much needed depth to the Graduate Studies office. In June 1967 Professor Nicholson resigned to become Dean of University College. He will be succeeded as Assistant Dean, Faculty of Graduate Studies, by Professor W. J. McClelland, Department of Psychology. In addition, Mrs. B. Potts, Secretary to the Dean, will become Administrative Assistant, responsible for the administration of Ph.D. Faculty Oral Examinations, and the Province of Ontario Graduate Fellowship Programme.

### Registration

Registration figures for the past five years are shown in Table 1. Table 2 shows the registration by Departments. In most Departments the figures exceeded those for the previous year, indicating a balanced growth throughout the whole Faculty. A notable feature is the relatively large increase in the number of Ph.D. candidates. A total of 287 Ph.D. candidates were registered compared with 239 for 1965-66.

### Summer Registration

As reported last year the Faculty of Graduate Studies operates on a year-round basis, with Fall, Winter and Summer Terms. During the summer of 1965 a total of 336 students were registered. This number increased to 348 in the summer of 1966 and to 466 in the summer of 1967. These students undertook research projects, fulfilled supervised reading assignments, or attended summer courses. In 1967

the Departments of English, Geography, Philosophy and Sociology offered graduate courses during the Summer term.

### New Programmes

New M.Sc. programmes in Applied Mathematics and Computer Science were approved by Senate. In addition, new Master's programmes in Engineering (M. Eng.) and Library and Information Science (M. L. S.) and a new Ph. D. programme in Political Science were recommended by Faculty and approved by Senate. Students will register in these programmes for the first time in September 1967.

### School of Library and Information Science

Early in 1966 the Board of Governors, on the recommendation of Senate, established a School of Library and Information Science within the Faculty of Graduate Studies. Dr. A. D. Osborn, Professor in the School of Library and Information Science at the University of Pittsburgh, was appointed Dean of the new School. Dean Osborn commenced work on July 1, 1966. Since that time he has been active in recruiting Faculty members and in planning a building to house the School. In September, 1967, the School will accept students with a Master's degree or an Honours Bachelor's degree into a three-term programme leading to the degree of Master of Library Science (M. L. S.). A limited number of students who have a General B.A. with at least "B" standing will be accepted into a Qualifying Year and students will be eligible for admission to the M. L. S. programme proper.

### Computing Centre

Last year the Computing Centre was separated from the Academic Department of Computer Science and the Administrative Data Processing and Systems Development Department and was assigned to the Faculty of Graduate Studies for administrative purposes. On July 1, 1966, Mr. George Lake, formerly of the Defence Research Telecommunications Centre, Defence Research Board, was appointed Director of the Centre. Mr. Lake has been responsible for the drawing up of a comprehensive five-year plan for the development of the Centre. This plan, approved by the Computer Advisory Committee, calls for the doubling of computer facilities during 1967-68 and the major expansion of the Centre in 1970-71.

Mr. Lake represents the University on the Computer Services Sub-Committee established by the Committee of Presidents of the Ontario Universities.



## Commission to Study the Development of Graduate Programmes in Ontario Universities

Last year reference was made to the work of this Commission under the chairmanship of Dr. J. W. T. Spinks, President of the University of Saskatchewan. Other members of the Commission were Dr. G. O. Arlt, President of the Council of Graduate Schools in the United States, and Dr. F. K. Hare, Principal of Birkbeck College, University of London, and President-elect of the University of British Columbia. The report of the Commission, which became available in December, 1966, recommended increased Provincial support for graduate work and greater collaboration between the universities of Ontario in the development of graduate programmes.

### Ontario Council on Graduate Studies

Largely as a result of the report of the Spinks Commission, the Committee of Presidents of Ontario Universities established the Ontario Council on Graduate Studies. Members of the Council are the Provincially-assisted Universities of Ontario, each represented by the Dean of Graduate Studies or the Chairman of the Committee on Graduate Studies. The purpose of the Council is to promote the advancement of graduate education and research in Ontario universities, to consider matters referred to it by the Committee of Presidents, and to advise the Committee of Presidents upon the planning and development of an orderly pattern of graduate education and research, having regard, amongst other things, to the need to avoid unnecessary duplication of programmes and facilities.

During the year the Council has been concerned with the following: -

#### 1) Appraisal of new graduate programmes

The Council has appointed an Appraisals Committee which has recommended procedures for the appraisal of graduate programmes. The Council recommended that all new Ph. D. programmes approved by Senate after January 1, 1967 and all new Master's programmes approved by Senate after July 1 be appraised by these procedures. This recommendation was approved by the Committee of Presidents and the Committee on University Affairs. The Council hopes that subsequently it will be possible to appraise all graduate programmes. Appraisal is voluntary and may be carried out only with the consent of the University concerned. The principle of Appraisal was approved by the Council of the Faculty of

Graduate Studies on March 21, by a full meeting of Faculty on March 28 and by Senate on May 29, 1967.

2) Co-ordination of Library Services

In conjunction with the Ontario Council of University Librarians, the Ontario Council on Graduate Studies has made recommendations to the Committee of Presidents concerning co-ordination of library services within the Ontario universities. These include the development of adequate research collections in all university libraries, some long-term division of responsibility for the development of advanced research collections, the establishment of a province-wide university library system to provide for reader services and bibliographic services and the establishment of an adequate inter-university library transit service.

3) Ontario University Research Council

The Ontario Council on Graduate Studies has recommended to the Committee of Presidents that a Committee be established to study the recommendations of the Spinks Commission concerning the provision of Provincial funds for the encouragement of research in all disciplines in Ontario Universities.

4) Provincial meetings of Department Chairmen

The Ontario Council on Graduate Studies has gone on record as encouraging province-wide meetings of Department Chairmen, as recommended in the Spinks report. In many disciplines such meetings have already taken place and additional meetings are planned.

5) Graduate Student Support

The Council has had many meetings with the Committee on University Affairs and officers of the Department of University Affairs concerning the support of graduate students. The Council has prepared a brief for presentation to the Committee of Presidents. As the result of these representations, changes in the Provincial policy concerning the support of graduate students are anticipated.

## Province of Ontario Graduate Fellowships

A Committee under the chairmanship of Dr. J. P. McLaughlin made recommendations concerning the awarding of Province of Ontario Graduate Fellowships. The quota for The University of Western Ontario for 1967-68 was 200 Fellowships in the Humanities and Social Sciences and 78 in Science. This quota has been filled with applicants of high academic attainment. During the summer of 1967, 189 students held Summer Supplements to their Ontario Graduate Fellowship.

## Long-Term Planning

The Faculty of Graduate Studies Committee on Long-Term Planning under the Chairmanship of Professor R. G. E. Murray has been engaged upon a study of the Faculty and its future requirements. The Committee also has studied the report of the Spinks Commission. A detailed report will be presented during the forthcoming academic year.

## Student Facilities

The rapid increase in graduate student enrollment has made the provision of study, lounge, and recreational facilities for graduate students a continued challenge. The problem has been studied by the standing Graduate Student-Faculty Committee under the chairmanship of Professor R. H. Stinson. Small lounges and study rooms have been assigned to graduate students in several of the new buildings and it is hoped that similar facilities will become available elsewhere. In addition, a large graduate student lounge and graduate student lunch room has been opened in Somerville House. The Graduate Student-Faculty Committee also has considered problems such as graduate student parking, income tax, health insurance, needs and means, and the teaching responsibilities of graduate students.

A committee with graduate student representatives has been formed to study the proposed Graduate Student College. The Committee, under the chairmanship of Professor A. G. Davenport, has studied the academic, social, and residence requirements of graduate students. It also has made a survey of facilities available to graduate students at other universities in Canada and at selected institutions in the United States. A detailed report will be submitted during the 1967-68 academic year.

### Post-Doctoral Fellows

The number of post-doctoral fellows within the University is growing rapidly, especially in the Natural Sciences Division. The Faculty approved the establishment of a standing Committee on Post-Doctoral Fellows under the chairmanship of Professor H. C. Clark, Department of Chemistry. This Committee will (a) ratify the award of all Post-Doctoral Fellowships (b) maintain a record of all Post-Doctoral Fellows and (c) concern itself with the training and welfare of these Fellows.

### Degrees Conferred

The degrees conferred in October 1966 and June 1967 by Departments are set out in Table 3.

TABLE 1

## Faculty of Graduate Studies

## Annual Registration

	1962-63	1963-64	1964-65	1965-66	1966-67
Business Administration	216	222	257	266	294
Engineering Science	4	13	18	21	34
Humanities and Social Sciences	141	223	332	342	375 *
Medical Sciences	31	48	56	64	84
Natural Sciences	115	127	185	219	258
Nursing	10	10	10	9	14
TOTAL	517	643	858	921	1,059

\* Humanities 140  
 Social Sciences 223  
 Library Science 12  
 375

## Faculty of Graduate Studies

TABLE 2

Registration 1966-1967

DIVISION	QUALIFYING		MASTER'S		Ph. D.		TOTAL	TOTAL 1965-66
	F. T.	P. T.	F. T.	P. T.	F. T.	P. T.		
<u>Business Administration</u>			282		12		294	268
<u>Engineering Science</u>			22	1	5	6	34	22
<u>Humanities</u>								
Classics			1	1			2	2
English	17	3	20	12	10		62	70
German			2	2	1		5	6
Philosophy	6		11	3	12	1	33	23
Rom. Languages	2	3	3	14	8	8	38	24
	25	6	37	32	31	9	140	125
<u>Library Science</u>	1	11					12	-
<u>Medical Sciences</u>								
Anatomy	1		5		5		11	7
Bacteriology			5	2	5		11	4
Biochemistry			9		11	1	21	22
Biophysics			2		6		8	7
Medical Research			2		3		5	5
Path. Chemistry			4		1		5	3
Pathology					1		1	1
Pharmacology			4				4	4
Physiology	5		7		5		17	11
Psychiatry & Prev. Medicine						1	1	-
	6		37	2	37	2	84	64

Table 2  
Registration 1966-1967 (Continued)

DIVISION	QUALIFYING		MASTER'S		Ph. D.		TOTAL	TOTAL 1965-66
	F. T.	P. T.	F. T.	P. T.	F. T.	P. T.		
<u>Natural Sciences</u>								
Astronomy			7		1		8	-
Botany			7		8		15	15
Chemistry			19		56		75	67
Computer Science			1	3			4	2
Geology			10		13	1	24	16
Geophysics	1		6		4		11	11
Mathematics	1		29	3	8	5	46	41
Physics	1		16	1	17		35	30
Zoology			27		13		40	36
	3		122	7	120	6	258	218
<u>Nursing</u>								
			14				14	9
<u>Social Sciences</u>								
Economics	4		22		11		37	34
Geography	13		30	4	9	3	59	45
History	8		12	7	12	6	45	54
Physical Education	1		9				10	7
Political Science			8	2			10	14
Psychology	8		24	2	17	1	52	64
Sociology	4	4	1	1			10	-
	38	4	106	16	49	10	223	218
<u>TOTAL</u>								
	73	21	620	58	254	33	1,059	924
<u>FULL TIME</u>								
Qualifying	73							
Master's	620							
Ph. D.	254							
<u>Total</u>								947
<u>PART TIME</u>								
Qualifying	21							
Master's	58							
Ph. D.	33							
<u>Total</u>			112					
<u>NON-RESIDENT</u>			41					
							TOTAL	<u>1,100</u>

## Degrees Conferred in October 1966 &amp; June 1967

Doctor of Philosophy

30

Anatomy	1
Biochemistry	3
Botany	2
Chemistry	8
French	1
Geology	2
Geophysics	1
Mathematics	2
Medical Research	1
Physics	2
Psychology	6
Zoology	1

Master of Arts

114

Applied Mathematics	7
Economics	24
English	10
French	5
Geography	11
History	9
Mathematics	15
Philosophy	9



TABLE 3

Degrees Conferred in October 1966 &amp; June 1967 (Continued)

Physical & Health Ed.	2		
Political Science	8		
Psychology	14		
<u>Master of Business Administration</u>		125	(115)
<u>Master of Engineering Science</u>		8	( 13)
<u>Master of Science in Nursing</u>		4	( 2)
<u>Master of Science</u>		38	( 27)
Anatomy	1		
Astronomy	3		
Biochemistry	2		
Chemistry	3		
Geography	2		
Geology	4		
Geophysics	4		
Medical Research	2		
Pathological Chemistry	1		
Pharmacology	1		
Physics	3		
Physiology	6		
Zoology	6		

NOTE: Figures in parentheses refer to 1965-66.

# THE COMPUTING CENTRE

Report of the Director

Mr. George T. Lake

The year 1966-67 marked the beginning of a new era in the history of the Computing Centre. Commencing July 1, 1966 the Computing Centre was organized as a separate department within the Faculty of Graduate Studies. At its inception in 1959, the Computing Centre was operated by the Computer Science section of the Department of Mathematics. By 1966 the Computer Science Department was responsible for teaching and research in computer science, administrative computing, and operation of the computing facilities. On July 1, 1966 these three major functions were separated into three independent departments. The Computer Science Department retained responsibility for teaching and research. The Administrative Data Processing and Systems Development Department was set up to handle administrative computing, and the Computing Centre was set up as a department within the Faculty of Graduate Studies to provide computing services to users on campus and to conduct research on computer systems.

The first year of operations under this new administrative structure has been one of laying and consolidating a foundation for future progress. No major new items of equipment have been acquired but plans have been laid for a large expansion of facilities in 1967-68. On September 13, 1966 a five year plan was published, predicting growth in capabilities, staff and costs to 1970-71. This report predicted a growth in computer capacity by a factor of at least 5, an increase in staff by a factor of 3 and an increase in costs by a factor of 4.

In April 1967 tenders were called for a new computer to be installed in early 1968. This machine will augment existing equipment to provide remote access computing facilities to users in their own departments. It is anticipated that this system will make a substantial contribution to research capabilities in many fields.

The volume of work handled by the Computing Centre increased significantly during 1966-67. The following table shows the number of computer hours consumed and number of jobs processed in the three year period from 1964.

Year	Computer Hours	Number of Jobs Processed
1964-65	4156	19099
1965-66	5571	22620
1966-67	5564	42554

The decrease in average job time, as shown by an increase in the number of jobs in the same number of computer hours, is in part due to improvements in operating efficiency and in part due to increased proficiency on the part of the users as their experience grows.

The internal structure of the Computing Centre was reorganized along more functional lines during the year. The work of the Centre is now carried out by four groups. The Operations Group is responsible for day to day operation of the equipment and provision of ancillary services such as keypunching. The Systems Programming Group is responsible for maintenance and writing of general purpose programmes and assistance to users in exploiting the system. The Applications Consulting Group is responsible for writing special purpose programmes, primarily for the benefit of individual users or departments. The Systems Engineering Group is responsible for design and evaluation of digital equipment and advice to users concerning the design of experiments whose results are to be processed by computers. Services of the Applications Consulting Group and Systems Engineering Group are new offerings by the Computing Centre to users. Both have been well received to date.

With the delivery of new equipment in 1967-68 and new additions to the staff and services, the coming year promises to be one of the most active in the history of the Computing Centre to date.

## FACULTY OF ARTS AND SCIENCE

### Report of the Vice-President

Professor Mark K. Inman

With respect to the Arts and Science area, the academic year 1966-67 was characterized by expansion in the teaching services provided, extension in research activity, the opening of a new college, and the provision for modifications in the organization of the Faculty and the introduction of a new academic programme. The year was noteworthy also for changes in key personnel.

As in previous years, the main burden of teaching undergraduate students devolved upon the Arts and Science Faculty. According to the Report of the Registrar, during 1966-67 there were 5,815 full-time undergraduate students registered at the Constituent University. Of this number 4,659, or 80% of the total, were in Arts and Science. Regrettably, less than 17% (16.4%) of all undergraduates in Arts and Science were registered in Honours programmes.

The teaching services for this group of students were provided for by a full-time faculty consisting of 404 persons\*, approximately 74% of all full-time faculty members in the Constituent University. For administrative and other purposes the Arts and Science Faculty was distributed among five colleges. This distribution is shown in the following table:

---

\* Many members of the Arts and Science Faculty, especially those with Ph. D. degrees, taught graduate courses and supervised Theses. (See Report of the Dean of Graduate Studies).

TABLE 1

DISTRIBUTION OF DEPARTMENTS, FACULTY MEMBERS AND UNDER-GRADUATE STUDENTS AMONG THE COLLEGES  
1966-67

<u>College</u>	<u>No. of Departments</u>	<u>No. of Full Time Faculty Members</u>	<u>No. of Students</u>
University College	9 (7)*	111 (146)#	1547
Middlesex College	5 (3)	79 (46)	1345
Talbot College	7 (7)	69 (81)	451
College of Science	10 (10)	138 (141)	1194
College of Music	1 (1)	10 (13)	122
<b>Total</b>	<b>32 (28)</b>	<b>407 (427)</b>	<b>4659</b>

\* No. of Departments in 1967-68 shown in brackets (including Cross-Appointees).

# No. of Faculty Members in 1967-68 (Approximate figures).

The faculty of each college met periodically to transact business peculiar to that college. Coordination of the entire Arts and Science faculty was achieved formally through the Faculty Council which met regularly on the first Tuesday of each month. Meetings of the Faculty as a whole were called to determine matters of broad policy. Four such meetings were held during the academic year 1966-67. In addition to the formal meetings of the Faculty Council and the Faculty, the Deans of the five colleges met weekly with the Vice-President, Arts and Science, in the latter's office. A great deal of coordination of faculty affairs has been accomplished through the medium of the "Deans' Meeting".

In 1966-67 the number of Deans attending the weekly sessions was increased by one, due to the opening of Talbot College. This

College, under the able leadership of Dean J. G. Rowe, proved to be a very important educational component of the University. It not only afforded additional classroom and office space but also provided much needed facilities for instruction in the performing arts, especially the Drama. As shown in Table 1, Talbot College housed seven departments and had a registration of 451 students.

### Provision for Changes in Organization

Significant changes in the organization of the faculty were proposed and approved during the year. One of the most significant provided for the reuniting of the English, History and Philosophy Departments, each of which operated in two of the colleges under a separate head or chairman in the college involved. Specifically, English was taught in University and Middlesex Colleges (with an extension of the University College Department in Talbot College), History in University and Middlesex, and Philosophy in University and Talbot. The teaching of Romance Languages, like Gaul, was divided into three segments, one department in each of the three colleges, University, Middlesex and Talbot. It was agreed that these Romance Languages Departments be combined into two distinct entities, namely, the Department of French and the Department of Spanish and Italian, each with its own chairman.

In this connection, the plan should be noted whereby the Department of Mathematics was divided into two separate departments, Applied Mathematics, under the chairmanship of Dr. J. H. Blackwell, and Mathematics under the chairmanship of Dr. D. Borwein. Final arrangements for the establishment of a Department of Fine Arts were also completed. This new department, located in Talbot College, will consist originally of the Chairman, Dr. W. S. A. Dale, and Assistant Professor A. M. Urquhart, formerly Resident Artist at the University. The result of these changes in organization, which became effective July 1, 1967, are reflected in Table 2 which follows:

TABLE 2  
DISTRIBUTION OF ARTS AND SCIENCE DEPARTMENTS AMONG  
THE COLLEGES, ACADEMIC YEAR - 1967-68

I	II	III	IV	V	
NAME OF COLLEGE	NO. OF DEPTS.	NAME OF DEPARTMENT	NO. OF FULL- TIME MEMBERS IN DEPT.	NO. OF FULL- TIME FACULTY (Including Cross Appointees*)	
University College	7	Economics	25		
		English	55		
		French	29		
		Journalism	4		
		Physical Health & Recreational Ed.	16	146	147
		Secretarial Sc.	6		
		Sociology	11		
Middlesex College	3	Geography	13		
		Psychology	25	46	51
		Spanish & Italian	8		
Talbot College	7	Classics	9		
		Fine Arts	2		
		German	5		
		History	26	81	81
		Philosophy	19		
		Political Science	13		
		Russian Studies	7		
College of Science	10	Applied Math.	11		
		Astronomy	3		
		Botany	16		
		Chemistry	23		
		Computer Science	12	141	144
		Geology	12		
		Geophysics	8		
		Mathematics	19		
		Physics	20		
		Zoology	17		
College of Music	1		13	13	
			427	436	

\* As Column V includes Cross-Appointees, its total is larger than that of Column IV.

## Changes in Academic Programmes and Courses

From time to time the Faculty Council approved and recommended to the Senate for adoption, modifications of existing academic programmes and the instituting of new courses as proposed by the various departments. With one exception these modifications, though numerous, were of a minor nature. The exception was a proposal by the College of Science Council to introduce a General Programme (3 years) leading to a Bachelor of Science degree. In introducing this measure, Dean A. E. Scott pointed out that the existing general programme leading to the B.A. degree, so far as Natural Sciences were concerned, did not provide sufficient training "in depth" for High School teachers of science. He argued that the plan of courses advocated, which included additional training in Science, would correct this deficiency. The Faculty Council endorsed the proposed B. Sc. General Programme. It was subsequently approved by the Senate of the University.

### New Grading System

For several years some members of the Arts and Science Faculty have been contending that our grading system should be revised. A committee under the Chairmanship of Dr. Helen Battle, Department of Zoology, was appointed to study and report on this matter. This Committee reported in favour of modifying the old schedule, mainly for two reasons. In the first place, under the old system, the Grade "A" range (75 to 100 inclusive) was too wide, whereas those of Grade "B" (66 to 74 inclusive) and "C" (60 to 65 inclusive) were too narrow. In the second place, the entire schedule, though similar to that of many other Ontario universities, was out of line with the grading systems of major American universities to which we send, or hope to send, our students for graduate work. For example, the admission authorities of such universities might well find it difficult to understand why an "A" student received a mark of only 76.

Dr. Battle's Committee presented a new schedule (See Table III) which was submitted to all the Colleges, Faculties and Schools of the Constituent University, also to the Affiliated Colleges, for approval or otherwise. Eventually, all of these bodies, except the Faculty of Law, accepted the Battle Committee's proposal which was approved in due course by Senate. The new schedule, applicable to undergraduate work only and which will be employed for the first time at the 1967 Summer School, is shown in Table III together with the old marking system and a conversion table indicating how the one schedule can be expressed in terms of the other.\*

---

\* The Conversion Table was devised by Dr. L. F. S. Ritcey of the Dept. of Mathematics.



TABLE 3

OLD (PRIOR TO JULY 1, 1967) AND NEW GRADING SYSTEMS AT THE UNIVERSITY OF  
WESTERN ONTARIO AND CONVERSION TABLE

<u>Old System</u>	<u>New System</u>	<u>Grade A</u>		<u>Grade A</u>		<u>Conversion Table</u>			<u>Scores</u> 0 - 59	<u>Old &amp; New</u> <u>Systems</u> are <u>Identical</u>
		<u>Old</u>	<u>New</u>	<u>(Cont'd)</u> <u>Old</u>	<u>New</u>	<u>Grade B</u>	<u>Grade C</u>	<u>Old</u>		
A 75 - 100	A 80 - 100	75	80	88	90	66	70	60	60	
B 66 - 74	B 70 - 79	76	81	89	91	67	71	61	62	
C 60 - 66	C 60 - 69	77	82	90	92	68	72	62	64	
D 50 - 59	D 50 - 59	78	83	91	93	69	73	63	66	
E 40 - 49	E 40 - 49	79	84	92	93	70	75	64	68	
F Below 40	F Below 40	80	84	93	94	71	76	65	69	
		81	85	94	95	72	77			
		82	86	95	96	73	78			
		83	87	96	97	74	79			
		84	87	97	97					
		85	88	98	98					
		86	89	99	99					
		87	90	100	100					

## Academic Counselling Service

One of the most significant developments during 1966-67 was the instituting of an Academic Counselling Service which will be available to prospective first year students. The organization consists of a coordinator, 5 faculty members acting as full-time counsellors, a secretary and a receptionist.

The basic purpose of the service is to provide pertinent information to prospective students before they select their courses in order to minimize the number of changes in courses and programs after registration. In other words, the counsellors will endeavour to have the students register initially in the courses designed to meet their needs and within their capabilities. The ultimate choice of courses, however, providing it conforms to academic regulations, will rest with the students.

As a result of budgetary limitations, the service is to be provided during July and August (1967) only and in temporary quarters provided by Dean R. N. Shervill, the Co-ordinator of Academic Counselling, in Middlesex College. According to preliminary reports the project is an unqualified success. In the light of this experience, it is hoped that the Board of Governors will see fit to increase its support for academic counselling in order that this service may be expanded in the future as deemed desirable.

## Changes in Key Personnel

Retirements and Resignations. Of necessity, the passage of time involves variations in personnel holding key positions in the University. In this regard the academic year 1966-67 was no exception. Rather, it witnessed an unusual degree of change in the incumbents of important University offices.

The retirement of Dr. G. E. Hall, after twenty years as President of the University, was a great surprise to nearly everyone on the campus. During his term of office, President Hall rendered outstanding service to the University. The construction of new and enlargement of old buildings, the establishment of new and expansion of old faculties, and the instituting of new and enrichment of old curricula bear ample testimony, visible and invisible, to Dr. Hall's creative leadership. At the time of his retirement, Dr. Hall received many expressions of appreciation and good will from various groups and organizations within the University community.

The resignation of Dr. A. W. Trueman, as Dean of University College, also was a source of deep regret on the part of his colleagues. During his brief tenure of office (two years), Dean Trueman not only demonstrated his exceptional qualities as scholar and administrator, he also, through his genial personality, made a host of friends in London both on and off the campus.

Another resignation received with much regret was that of Dr. J. G. Rowe as Dean of Talbot College. Although Dr. Rowe held office for only one year, he gave able and imaginative leadership to the College in both academic and administrative areas. Dr. Rowe's decision to withdraw from administration in order to concentrate on teaching and scholarly research inevitably will result in a gain for matters purely academic.

An account of changes in key personnel in Arts and Science would be incomplete without reference to the retirement of Dr. R. L. Allen, Assistant Dean of University College. On the date of his ultimate retirement (June 30, 1967), Dr. Allen had completed forty-two years continuous service to the University, longer than that of any person in the organization. Words cannot adequately describe Dr. Allen's great and lasting contributions to the life and development of the University. Dr. Allen's many friends on the campus wish him well in his retirement.

Another resignation of note was that of Professor T. J. Casaubon as Director of the Trois Pistoles Summer School. He resigned to become Assistant to the Dean of Althouse College. Professor Casaubon took charge of the Trois Pistoles project upon the retirement of Dr. H. E. Jenkins in 1959. Under Professor Casaubon's direction, the Trois Pistoles Summer School experienced continuous growth and success, not only in the teaching of languages but also in the promotion of amicable relations and better understanding between the English and French speaking peoples in this country.

New appointments. Much as one regrets the retirement and/or resignation of former key persons, one is gratified by the availability of able replacements. The naming of Dr. D. C. Williams to succeed President G. E. Hall, the appointment of Dr. N. L. Nicholson to replace Dean A. W. Trueman, and the selection of Professor F. K. Harper to follow Professor T. J. Casaubon as Director of the Trois Pistoles Summer School have been received with general approval.

As yet the problem caused by the resignation of Dr. J. G. Rowe has not been solved in such a satisfactory manner. Dr. A. E. Raymond was appointed Acting Dean of Talbot College for the months

of July and August, 1967. Despite the urging of his colleagues that he accept the post for a longer term, Dr. Raymond insists that his duties as Acting Dean terminate on August 31, next. Unless an appointment is made in the meantime, the Deanship of Talbot College will become vacant on September 1, 1967.

#### Re-organization of the Faculty of Arts and Science

The mood for change was not confined to key persons. A movement for drastic re-organization of the structure of the Arts and Science Faculty, sparked by the College of Science Faculty, gained momentum during the year. This quest for modification of the Faculty structure led to the appointment of committees to study the problem. At a general meeting held on January 17, 1967, the Faculty authorized the appointment of a body known as The Committee to Study the Structure and Organization of the Faculty of Arts and Science. This Committee, under the Chairmanship of Dr. G. J. Mogenson, has held numerous meetings. On May 9, 1967, it submitted an interim report to the Faculty in favour of a separate Faculty of Science. The Committee requested that the steps necessary to implement this recommendation be delayed until that body had an opportunity to consult expert witnesses and had handed down its final report. As yet, the final report of the Mogenson Committee has not been submitted.

In conclusion, I wish to thank the members of the Faculty, Faculty Council and the Arts Educational Policy Committee of Senate for their cooperation in furthering the entire Arts and Science programme. I am particularly grateful to my Assistant, Dr. J. W. Davis, to the Deans of the five Colleges and to the Secretary of the Faculty, Dr. B. B. Kymlicka, for their sage advice, efficient service and loyal support.

## UNIVERSITY COLLEGE

### Report of the Dean

Professor Norman L. Nicholson

The academic year 1966-67 was marked by the impending retirement of Dr. Albert W. Trueman as Dean of the College, and Dr. R. L. Allen as Assistant Dean. Dr. N. L. Nicholson, Assistant Dean of Graduate Studies was appointed Dean with effect from July 1, 1967. The year was also marked by the transfer of two Departments, Classics and German, to Talbot College, and the transfer of certain members of the Departments of Romance Languages, History and English to the same College. A separate Department of Sociology came into being on July 1, 1966. Prior to that date Sociology had been part of the Department of Economics.

Another important event was the completion of the construction of the new (north) wing. Delays in its completion meant that it could not be used for the bulk of the academic year but faculty moves into it began in May and were essentially complete by June 30. At the same time other departmental changes were made so that the Department of English could be unified in University College. Arrangements were also made to divide the Department of Romance Languages into the Departments of French and Spanish and Italian and to unify the Department of French in University College. Members of the Departments of History and Philosophy moved to Talbot College so that these Departments could be reunified there.

The total registration of students at University College for the year was 1,608. The total faculty and supporting staff was 229. (see Table 1)

### Departmental Developments

The honours curricula in Economics were modified slightly during the past year. In addition to rearranging the sequence in which some courses are taken, somewhat more scope was provided for choosing options among both Economics and non-Economics courses.

TABLE I

## DISTRIBUTION OF FACULTY AND STAFF - 1966-1967

## UNIVERSITY COLLEGE

Department	Senior Profs.	Profs.	Assoc. Profs.	Assist. Profs.	Lect- urers	In- struct- ors	Teaching* Fellows & Demonstr.	Tech- nicians	Secre- taries	Others	TOTALS
Dean's Office	2							2		4	
Economics	3-1/2	3	9	6	1	29	3	4	1	59-1/2	
(U.C.)	4-1/2	3	3		5-1/2	7		1-1/2	2	27-1/2	
English (T.C.)		2	5	2	4-1/2	3		1		17-1/2	
History	1	2-1/2	3	2		6		2		22-1/2	
Journalism	1	1	1	4				1		8	30
Philosophy	1	3	4	1		8		1-1/2		19-1/2	
P.H.R.E.	2	4	6	3		4		2	5	26	
Romance Languages	4	2	4	2	1	5		2		20	
Secretarial Science	1	2	1		2-1/2				1/2	7	
Sociology	1	4-1/2	4	5	1/2	5	1	1-1/2		17-1/2	
TOTAL	3	22-1/2	23	43	24-1/2	15	67	4	18-1/2	8-1/2	229

\* in nearly all cases, these appointments are for a period of eight months of the year.

Two noteworthy developments are apparent in these honours programmes. One has been the increase in interest shown in honours work in Economics; the second and related development has been the significant enrollment in the joint honours programmes with History and with Mathematics which were established two years ago. Mr. Beigie offered a series of lectures to graduate students in the School of Business Administration.

The plans in relation to English 20, which were reported in 1965-66, were implemented in 1966-67 and the new method of teaching the course has been highly successful. Ten experienced members of the Department lectured twice a week and thirty-six Instructors and Teaching Fellows conducted tutorials of from twelve to eighteen students each, one hour a week under the supervision. A questionnaire completed by the students seems to indicate that they found the lecture-tutorial approach to the course stimulating.

The Department of Journalism inaugurated an experimental exchange programme with the School of Journalism of Carleton University. Professor T. J. Scanlon, of Carleton, conducted classes for three days at The University of Western Ontario while Professor Wild conducted classes for three days at Carleton.

The experience gained by the students in the Department of Secretarial Sciences was more varied and more valuable this year, probably because of the increasing size of the University. During the year almost 4,500 hours of secretarial assistance was provided to other departments.

It is also gratifying to report a successful record for the first year of the Department of Sociology. The department's development strategy is based on a general programme of studies in Sociology with concentration at the graduate level, and in research, on population and urban studies. Its place in population study has already been accorded wide recognition and it is generally recognized that it is the only department in an English speaking University in Canada with a substantial stake in this fast developing field. Three members of the department were awarded a grant by the Canada Council for the first large-scale field study in Canada of trends and variations in fertility. Dr. Poole, on a grant from the Population Council of New York, has been engaged in the analysis of the first representative study of fertility in Ghana. Further recognition came in the form of an invitation to participate in a summer programme for graduate students from four Universities with special programmes in demography - Cornell, Brown, Pennsylvania and Western Ontario. With its basic structure in place, the department had intended to add an undergraduate honours programme

in 1967-68. It is a matter of regret that this has had to be postponed because of budgetary limitations.

The members of the College were actively engaged in research during the year. Lack of space makes it impossible to list and discuss all the projects undertaken; the scope and variety of research will be at least partially reflected, however, in the list of publications given in Appendix B, and the schedule of research funds in Appendix E. Mention should be made, however, of the place of the funds, though limited, which are made available from the University's own resources. These are invaluable in enabling projects, which would not otherwise be started, to be explored, especially in the humanities where research funds from granting agencies outside the University are pitifully inadequate.

### Special Activities

Many interesting activities, in addition to the normal programme of instruction, were carried on during the year. A few of them are referred to here.

Aided by a grant of \$3,750.00 from the Canada Council, the Department of Economics sponsored a Study Conference on The Report of the Royal Commission on Taxation (Carter Report). This was preceded by a two week seminar on the report for the Department's own faculty members. The Department of Journalism played host to the Eighth Annual Seminar In Reporting sponsored by the Press Institute of Canada. The Department of Philosophy, with the aid of a grant of \$1,200.00 from the Canada Council, supported a Colloquium on Fact and Existence which drew more than two hundred professional philosophers from Canada, the United States and the United Kingdom. The Department of Romance Languages arranged for visits of Le Centre Dramatique du Conservatoire de Montréal and Le Tretéau de Paris Theatre Company. It also sponsored a reception, on April 11, 1967, in honour of His Excellency Monsieur Francois Leduc, Ambassador of France to Canada. It was His Excellency's first visit to the campus and he was accompanied by the Consul General of France, Monsieur Pierre Morizot.

Individual faculty members received many honours and distinctions. It is a pleasure to make specific reference to at least some of them. Professor E. Atkinson, of the Department of English, received the Jordan Memorial Award for the best performance by an actor in the Dominion Drama Festival (Western Ontario Region). Professor Walter Balderston was elected first Vice-President of the Family Service Bureau, London, Ontario. Professor W. K. Ferguson was elected President of the Renaissance Society of North America.



Professor A. Levin was Editor of the quarterly journal, Canadian Slavic Studies. Professor Earl Beattie was elected President of the London Branch of the Humanities Association. Professor R. N. Bronaugh, of the Department of Philosophy, was a Visiting Professor for the summer session at C. W. Post College, Long Island, New York. Professor Stanley French was elected to the Board of Education of the City of London and subsequently to its Vice-Chairmanship. Professor Harold J. Johnson was invited to give a course on The Relation of Philosophy and Religion at the School of Religion, McMaster University. He was also elected Secretary of the Canadian Philosophical Association. Professor A. H. Johnson was awarded a Nuffield Travel Grant for use in England, April to July, 1967. Professor W. J. L'Heureux, Head of the Department of Physical and Health Education, was elected Chairman of the National Council on Fitness and Amateur Sport (Department of National Health and Welfare). He was also awarded the R. Tait McKenzie award of Honour in recognition of "distinguished service to the profession, and unremitting zeal in promoting its aims and objects". Professor G. Reuber was elected the first President of the Canadian Economic Association. He was also a witness before the special committee of the Senate and House of Commons of Canada on Consumer Credit (prices). Professor R. W. Torrens was chosen Examiner-In-Chief for the Grade 13 French Examinations conducted by the Ontario Department of Education. Professor Wild, of the Department of Journalism appeared on ten current affairs telecasts for CFPL-TV, and KDKA-TV, Pittsburgh. He directed a two day workshop for the Canadian Industrial Editors' Association (Central Branch) in Muskoka, and the Saskatchewan Branch in Regina. Professor M. H. Gillespie of the Department of Secretarial Science was chosen to administer the Certified Professional Secretaries' Examinations in Western Ontario for the Certified Professional Secretaries' Institute, for two days in May, here at the University of Western Ontario. At the same time I would like to give credit to all those members of the faculty and supporting staff who devoted the greater part of their time and energies to providing good instruction and in managing our academic affairs. It is the nature of the academic world that these require hours in grading and criticising assignments and in giving individual instruction to students as well as committee meetings which are so numerous that they seem endless. For these efforts there are no awards, no leaves-of-absence and rare public acclaim.

In conclusion I would like to record the thanks of the various Departments of University College for the excellent support which they received from Dean Trueman and Dr. Allen. My personal thanks also go to them for the time which they freely gave to ensure that the transition from their administration would be as smooth as possible.

## MIDDLESEX COLLEGE

### Report of the Dean

Professor R. N. Shervill

During the academic year 1966-67, Middlesex College reached the limits of its physical capacity with a total graduate and undergraduate enrollment of 1559, a full-time Faculty of 77 and a part-time Faculty of 16, including in the former category, five joint appointments with other departments, faculties, and colleges. During the year three members of Faculty were on study leave. Classroom and laboratory usage reached an exceptional 75 per cent, while Library and Food-Services facilities were continually overcrowded at peak periods of the day.

The most serious college problems continue to be related to those departments requiring specialized laboratory space. During the year, six additional classrooms were converted to laboratory use in order to meet the urgent demands of the departments of Psychology and Geography. The rapidly expanding honours and graduate programmes (especially in these two departments), along with a substantially greater degree of experimental specialization within these disciplines, required costly alterations to existing classroom space. Such erosion of space cannot continue without serious effect upon the classroom needs of other departments within the university. An application made to the Department of University Affairs for an immediate temporary building for the Department of Psychology was unfortunately rejected since funds for that purpose had been exhausted. An application for a permanent specialized structure for this department is now being considered by internal committees.

I record with serious concern the increasing use of Middlesex College Theatre as regular teaching space. This has caused and will continue to cause major dislocation of other important activities in this fine auditorium-theatre. The installation of closed-circuit television to meet the demands of large Freshman and Senior courses using the theatre will aggravate the problem. No immediate solution seems feasible; only a well-defined plan of long-term expansion and development will alleviate the growing pains being experienced in this and other academic units of the University.

A most significant shift in administrative and academic policy-- the reunification of the departments of Philosophy, English, History and French--took form during the year 1966-67, and will be fully implemented during the next academic year. Reunification also brought about a division -- the Department of Romance Languages became two departments -- a French Department, under Professor R. W. Torrens, and a Department of Spanish and Italian under Professor Weston Flint. It is with mixed feelings that I witness the departure of the departments of English, History and French from Middlesex College. I have deeply appreciated the loyal support and cooperation of all members of these departments. I am confident, however, that their reunification with other segments of their disciplines will strengthen and expand the areas of scholarship which they represent and reduce the administrative tensions patent in separation.

I record with grave concern the ever-increasing administrative pressures placed on the Dean and Department Heads. The constant growth of our staff and the pressing needs for space are among the reasons why the problems of administration are becoming more demanding and complex. In addition, many of the advisory duties and paper work once performed by the office of the Registrar are falling increasingly on the Dean and Department Heads. Great care will have to be exercised to prevent administrative officers from being swamped with detail. To this end, I have recommended increased secretarial aid and the appointment of departmental administrative assistants in those departments where the stresses seem most evident. It is no longer possible, nor is it economical, to utilize highly trained academics to perform an essentially clerical role.

I am happy to report that the academic prowess of Middlesex College students continues to increase. During this year, 30 per cent of all undergraduates in the College were enrolled in honours programmes. Our ability to continue to attract good students will depend principally on the quality of instruction that we are able to offer and on the amount of financial aid by way of bursaries and scholarships we are able to provide. It is a cause of real concern that our present scholarship plan which had as its source the Government of Ontario will have to be discontinued when the current obligations are met. It is earnestly hoped that other sources of revenue may be found, so that we may as a College and a University, continue to draw upon an equitable share of the better students in Ontario and further afield.

I would like to extend special congratulations to the departments of English and History on the success of their lecture-tutorial system on the 20 course level, and would offer special tribute to Professors P. D. Fleck and A.M.J. Hyatt who put so much effort, interest and thought

into the revised courses. The lecture-tutorial system, I feel certain, will stimulate more students to enter honours programmes.

During 1966-67 the Department of Geography, under the experienced leadership of Dr. E. G. Pleva, expanded to occupy the entire third floor of Middlesex College. The establishment of the Regional Map Library was perhaps the outstanding achievement in physical planning for the year. Special tribute must be paid here to the organizational skill of Mr. Serge Sauer whose patience and ingenuity made this new facility a model of efficiency and utility for all users. The accession of maps for the collections has been one of the important activities for the year. Plans are well under way to bring the map collections to a pre-eminent position among the map libraries of Canada.

Special mention must be made of one of the major projects carried out by the Department of Geography under the financial auspices of the Government of Ontario: a Regional Economic Development Analysis of the four counties of Middlesex, Oxford, Elgin and Norfolk. After a pilot study, sponsored by the Economic Council of Ontario, a grant of \$177,000.00 was made available to carry out the research project in depth. This project will require three years to complete, will involve several members of the faculty and students of the department, and will be co-ordinated by Mr. Paul Bruer.

It is a pleasure to report that the Geography Department has inaugurated its own research publication entitled "The Ontario Geographer". The first edition has been published and work is already in progress on Volume 2.

The Department of Psychology, under the leadership of Dr. Mary J. Wright continued its course of outstanding achievement during this academic year. Recognition of the department's outstanding research activities brought to the University 41 outside grants, several of which had term status, totalling well in excess of \$400,000.00. A comprehensive list of awards and grants-in-aid is to be found elsewhere in this report.

Insufficient laboratory research space continued to be the department's most serious problem. Some additional space was acquired by taking over a house on Western Road where animal learning and operant conditioning laboratories were established. Two more classrooms in Middlesex College were released to the Department for research with human subjects.

It is hoped that the space problems will be solved in the next academic year, at least on a short-term basis, with the acquisition of

the Collip Building, a temporary laboratory building, the latter of which is now being considered.

With the exception of graduate enrollment which was deliberately restricted because of the lack of sufficient laboratory research space, startling increases were recorded in the number of students seeking major and honours programmes in the Department. Well in excess of 50 per cent of all students in the University are enrolled in one or more courses in Psychology. Serious consideration will have to be given in the near future to limiting student enrollment in this discipline unless adequate provision is made for both laboratory space and a liberal expansion in the departmental faculty membership.

It is a pleasure to record that the faculty of Middlesex College have continued their energetic interest in research in spite of a year of active participation in the chores of revising University Government. The evidence, in the form of publications and scholarly addresses, is to be found elsewhere in this report. The high level of research activity has been materially stimulated by increasing recognition by outside granting bodies, and by the continued support of University-financed research grants in the form of relatively small "pump-primers" administered by the College.

Of special note are the many full-length books published by members of the Middlesex College Faculty during the year: Canadian Writers/Ecrivains Canadiens, revised and enlarged, co-edited by C. F. Klinck, Guy Silverstre and A. B. Conron; Tiger Dunlop's Upper Canada and Wacousta, or a Prophecy both edited by Professor Klinck; a brochure, Sculpture at the Canadian Pavilion by Professor Hugo McPherson; L'Angoisse du Mystere: essai sur Bernanos et M. Ouine by Professor W. S. Bush; A Travers Les Siecles; An Anthology of French Literature, co-edited by Professors D. G. Creighton and J. B. Sanders; Workbook in Introductory Geography by Professor R. W. Packer; Toronto's Changing Retail Complex by Professor James W. Simmons; The Cultural Geography of the Norfolk Sand Plain by Professor C. F. J. Whebell; Henry Scadding, Toronto of Old edited by Professor F. H. Armstrong; Canada - A Visual History co-edited by Professor D. G. G. Kerr and R. I. K. Davidson; the much acclaimed Burlington West: A Colonization History of the Burlington Railroad, by Professor R. C. Overton; and Canadian-American Planning: Vth Annual Conference on Canadian-American Relations by Professor Mason Wade. I also record for special comment the published theatrical works of one of Canada's outstanding young playwrights, Professor James Reaney, whose Colours in the Dark, The Three Desks and The Easter Egg (revised) won wide national acclaim. Colours in the Dark received special recognition by being performed at the Stratford Festival, while the others were chosen for performance at many of the regional drama

Festivals across the Dominion. Special mention must be made also of the continuing Psychological Research Bulletin series published by members of the graduate faculty in Psychology, often in collaboration with their graduate students. Each of this year's 20 bulletins is a specialized article prepared as a pre-publication work and is distributed widely among North-American Universities.

During the year, two major interdisciplinary groups have centered their activities in Middlesex College, the North-American Studies Group under the chairmanship of Professor C. F. Klinck, and the Latin-American Studies Group under Professor N. L. Nicholson. It is noteworthy that both groups received recognition from the Canada Council by way of a generous grant for library resource materials to expand these vital fields of interdisciplinary research.

Members of the Faculty of Middlesex College continued to exert significant influence on intellectual and community affairs through participation in learned, professional and public bodies. Of particular significance, I note the following:

Dr. C. F. Klinck served as Chairman of the Committee on Co-ordination of Academic Library Services of the Provincially-Assisted Universities of Ontario; Professor G. Rans was elected first President of the 20/20 Gallery; Professor H. A. Hossé was appointed Chairman of the Guideline Group on Urban and Regional Planning, National Conference on Pollution and Our Environment; Professor E. G. Pleva was elected to a number of executive positions with organizations such as the Social Science Research Council of Canada, the Lake Erie Regional Development Council, the Great Lakes Institute, the Conservation Council of Ontario. He also served as Examiner-in-chief in Geography for the Department of Education. Professor R. W. Packer was elected Chairman of the Faculty Association, University of Western Ontario. Professors F. H. Armstrong, A. M. J. Hyatt and M. Zaslow served on the Advisory Committee for the Penetanguishene Naval and Military Establishment; Professor R. C. Overton was appointed consulting editor for the MacMillan Company with respect to the "Railroads of America" series and was convenor of the Business History Conference which held its annual meeting, for the first time in Canada, at the University; Professor Mason Wade served as Chairman of the Canadian Historical Association Centennial Seminars Committee; Professor Maurice Zaslow held a number of important national appointments including that of President, Ontario Historical Society; General Editor, the Champlain Society; and Editor of the "Issues in Canadian History" series and Advisory Editor to the Encyclopedia Americana; Dr. J. P. Denny was appointed to the Executive Committee of the Canadian University Service Overseas and Chairman of the Selection Committee; Dr. R. C. Gardner

was appointed to the Human Resources Research Advisory Committee of the Defence Research Board; Professor D. N. Jackson served as Co-ordinator of the Department of Psychology Research Bulletins and as Consulting Editor of three research journals: Multivariate Behavioral Research; Journals of Personality and Social Psychology, and the Psychological Review; Professor G. J. Mogenson was appointed at Regional Editor of Physiology and Behavior; Professor A. U. Paivio was elected University representative to the Social Science Research Council of Canada; Professor F. R. Wilkinson served as District President, Church of Jesus Christ of Latter-day Saints; Professor Mary J. Wright was elected President of the Canadian Psychological Association; Professor W. Flint was elected Chairman, Outbound Programmes Committee, the Experiment in International Living and Vice-President of the American Association of Teachers of Spanish and Portuguese, Ontario Chapter.

I am happy to be able to report that the graduate responsibilities of members of our staff have not deterred their seeking better methods for improving undergraduate instruction. A Student-Faculty Committee was elected during the year to bring into focus problems of mutual concern. Moreover, each of the departments in the College formed curriculum committees in which both major and honours students participated.

I would be remiss if I did not offer a special word of gratitude to the Middlesex College Student Council, and to its outstanding President, Mr. Dan Ferguson. Student activities during the year were numerous and well conducted. Several members of the Student Council took active roles of leadership in the University especially in studies of University Government and Re-organization of the Faculty of Arts and Science. Their cooperation, their helpful suggestions and their dedication to student and college affairs were sources of strength throughout the year.

Special events sponsored by departments in Middlesex College during the year deserve special commendation, and I list them here by way of recognition to their sponsors: The Department of English organized a forum on Contemporary Canadian Theatre at which David Gardner, Frances Hyland, Tom Hendry, and Jack Winter spoke from the points of view of director, actor, administrator, and playwright; the Department of Geography sponsored, in cooperation with other agencies, five conferences at the University concerning the Visitor Industry, Water Resources, Conservation, Regional Economic Development and Municipal Planning. The Geography Department also cooperated with the Federal Government in providing training sessions on the geographical aspects of Southwestern Ontario to twenty-three groups of in-service civil ser-

vants on training in orientation across Canada. The department of Psychology, in cooperation with the Ontario Hospital, London, and the Ontario Psychological Association, sponsored and organized a most successful Conference on Brain Impairment. The department of Romance Languages in collaboration with its colleagues in University College, sponsored two visiting theatre groups, Le Centre Dramatique du Conservatoire de Montréal and Le Tréteau de Paris Theatre Company which added immeasurably to the cultural activities of the University as a whole.

At the conclusion of this very challenging year, I express a deep debt of gratitude to all members of the staff at Middlesex College and to the President and other Officers of the University for their support and critical understanding. Their loyalty and unstinting cooperation have made it a vital and successful period in the brief history of the College.

*[Faint, illegible text]*

*[Faint, illegible text]*

*[Faint, illegible text]*

*[Faint, illegible text]*

*[Faint, illegible text]*



# THE COLLEGE OF SCIENCE

Report of the Dean

Professor Andrew E. Scott

## SECTION I

The College of Science completed its second year of operation on June 30, 1966. It has been a vigorous and satisfying year both in teaching and research and the excellent quality of the published papers attests to the high calibre of the faculty.

Two significant events took place during the year. The first of these was a decision to form a separate Department of Applied Mathematics. This decision, to be implemented on July 1, 1967, reflects the rapid growth of the Department of Mathematics and the importance of Applied Mathematics as a basic discipline of Science. Dr. J. H. Blackwell has been appointed as Head of the new Department. The second event was the decision of the College of Science to press for Faculty status. Endorsed by the Faculty of Arts and Science and the Senate Policy Committee this matter awaits ratification by the Senate.

With the closing of the year the College of Science bid farewell to two highly respected faculty members, Dr. Helen Irene Battle, Professor of Zoology and Dr. Gordon R. Magee, Professor and Head of the Department of Mathematics, both of whom retired after rendering more than 80 years of combined service to Western. We are indeed fortunate that both Dr. Battle and Dr. Magee have consented to return on a part-time basis next year. Dr. David Borwein has been named as Head elect of the Department of Mathematics.

This year also marked the retirement of another well known member of the staff. Mr. John Drake, a technician in the Department of Chemistry for 40 years, left us in June. John will be missed by his many friends at Western.

I am particularly pleased to report the success of our visiting

lecturer programmes. Although we never seem to have sufficient funds to do all we would like to do in this direction we were able to bring to the University a number of distinguished scientists to lecture and to discuss recent advances in their particular fields. I cannot over-emphasize the importance of these visits to our faculty and I hope that this aspect of our overall Departmental programmes will increase considerably over the next few years.

The establishment of the College of Science has increased to 137 faculty members and 105 supporting staff members during the year from the corresponding figures of one year ago viz. a faculty of 125 and 76 supporting staff. This follows the normal growth pattern of the College, but alas the strictures of inadequate space are beginning to make themselves felt. The warning sounded a year ago was not untimely. With the ever burgeoning growth of scientific knowledge and the increasing undergraduate enrollment current facilities are becoming increasingly strained. Further growth is contingent upon the provision of more space. Already two Departments of the College are crowded off campus into unsuitable accommodation and for the coming year it will be necessary to house six members of the Department of Mathematics in Middlesex College. It is no overstatement to say that the situation is critical and staff morale is beginning to suffer in consequence. A temporary staging area is urgently needed to buy time until permanent buildings can be provided. We are not alone in our concern. Other Colleges and Faculties are facing the same problems.

This year the College of Science Students' Council completed its first year as a separate organization. Under the very able leadership of John Bowman aided by an enthusiastic committee, the Council made a significant contribution to the life of the College. I should like to take this opportunity of thanking them not only for their hard work but also for their co-operation throughout the year.

Mention must be made of the greatly increased role of ETV in the teaching function of the College of Science. Under the able direction of Mr. Peter Somerville this facility has been used to an ever-increasing degree by the Biological Departments and by Physics. The Department of Mathematics also used the service in preparing a series of tapes for Mathematics 24. For a time unconvinced, the Department of Chemistry is now enthusiastic in the use of television as an instructional medium and plans its extensive use in its teaching programmes.

The Technical Services Department continues to offer printing, machine shop and electronic services. The overall volume of work is showing an encouraging upswing. Additional staff has been hired to cope with the increased use to which the large lecture theatres

are being put. This is consistent with the marked increase in the use of ETV.

I wish to express my warm thanks to all members of the Faculty of the College of Science for their help and understanding during my first year as Dean. In particular I wish to thank Professor Reavely who was always willing to provide help and advice and to whom I owe a considerable debt of gratitude. My sincere thanks also go to the members of the office staff, Mrs. Jean Sutherland, Miss Diane MacDonald and Miss Eleanor Walker for their efficient and cheerful assistance.

## SECTION II

### PROMOTIONS AND CHANGES IN STAFF

During the year Dr. A. E. Scott relinquished the headship of the Department of Chemistry to become Dean of the College of Science, a position he had held in an acting capacity since July 1, 1966. Dr. H. C. Clark became Head of the Department of Chemistry effective January 1, 1967.

Three faculty members were promoted to the rank of senior professor. They were Dr. David Borwein of the Department of Mathematics, Dr. Eric Brannen and Dr. D. R. Hay, both of the Department of Physics. Other faculty promotions were as follows:

#### Associate Professor to Professor

Dr. M. M. Ali, Department of Mathematics  
 Dr. A. W. Durnford, Department of Physics  
 Dr. A. E. Scott, Department of Chemistry  
 Dr. R. H. Stinson, Department of Zoology  
 Dr. E. W. Warnhoff, Department of Chemistry

#### Assistant Professor to Associate Professor

Dr. E. J. Barbeau (on leave), Department of Mathematics  
 Dr. D. R. Bidinosti, Department of Chemistry  
 Dr. D. B. McMillan, Department of Zoology  
 Dr. D. R. Moorcroft, Department of Physics  
 Dr. M. Schlesinger, Department of Physics  
 Dr. C. J. Willis, Department of Chemistry

Lecturer to Assistant Professor

Mr. G. Beckhoff, Department of Computer Science  
 Dr. W. J. Lewis, Department of Physics  
 Mr. F. Zabransky, Department of Computer Science

Sessional Lecturer to Lecturer

Dr. C. P. Demas, Department of Chemistry

Laboratory Supervisor to Instructor and Laboratory Supervisor

Mr. D. A. MacRae, Department of Chemistry

Several faculty changes took place during the year. These are listed by Departments.

Department of Astronomy

Dr. David Gray was appointed Assistant Professor  
 Mr. James Moorhead was appointed Lecturer  
 Dr. Harry van der Laan resigned to accept a position in the Netherlands.

Department of Botany

Dr. R. B. van Huystee was appointed Assistant Professor.

Department of Chemistry

Dr. D. H. Hunter was appointed Assistant Professor

Department of Computer Science

Dr. N. Jones resigned  
 Dr. Z. Pylyshyn was appointed Assistant Professor (joint appointment with Psychology)  
 Dr. A. Salomma was appointed Visiting Professor

Department of Geology

Dr. F. Mayr was appointed Visiting Lecturer

Department of Geophysics

Dr. U. Aswathanarayana was appointed Visiting Associate Professor

Dr. L. Mansinha was appointed Assistant Professor

Dr. H. C. Palmer was appointed Assistant Professor.

Department of Mathematics

Dr. E. J. Barbeau resigned

Dr. S. C. R. Dennis was appointed Professor

Dr. L. F. S. Ritcey was appointed Professor

Dr. B. L. R. Shawyer was appointed Associate Professor

Dr. T. Wonnacott was appointed Associate Professor.

Department of Physics

Dr. Y. F. Bow was appointed Assistant Professor

Dr. J. Jones was appointed Assistant Professor

Dr. P. W. Whippey was appointed Assistant Professor

Dr. W. J. Richards (formerly Lewis) resigned

Dr. M. E. Snyder resigned.

Department of Zoology

Dr. R. K. Misra was appointed Assistant Professor

Dr. J. Purko was appointed Assistant Professor

Dr. R. R. Roth was appointed Assistant Professor.

Tables I and II list changes in faculty and the distribution of supporting staff within the College.

TABLE I

## COLLEGE OF SCIENCE

## CHANGES IN FACULTY DURING 1966-67

Department	New Appointments	All Promotions	Terminations	Total Faculty
Astronomy	2	1	1	5
Botany	1			15
Chemistry	1	7		23
Computer Science	2	2	1	13
Geology	2			12
Geophysics	1			7
Mathematics	4	3	1	25
Physics	3	5	2	22
Zoology	3	2		15
<b>TOTALS</b>	19	20	5	137

TABLE II

## COLLEGE OF SCIENCE

## DISTRIBUTION OF SUPPORTING STAFF 1966-67

Department	Secretarial	Technicians	Others	Total
Astronomy	1	2	-	3
Botany	3	21	-	24
Chemistry	7	12	-	19
Computer Science	2	2	-	4
Geology	2	9	1	12
Geophysics	1 $\frac{1}{2}$	3	-	4 $\frac{1}{2}$
Mathematics	3 $\frac{1}{2}$	-	-	3 $\frac{1}{2}$
Physics	4	13	-	17
Zoology	3	-	-	3
Technical Services	1	9	2	12
General	3	-	-	3
<b>TOTALS</b>	<b>31</b>	<b>71</b>	<b>3</b>	<b>105</b>

SECTION IIIRESEARCH

The marked contribution the Departments in the College of Science are making to research is evidenced by the number of papers published by members of the faculty during the year. Another indication of the scope of this part of the overall activity is the amount of money allocated to research by the various sources of funds viz. N. R. C., D. R. B., etc. This year the total sum expended by the College of Science for this purpose was \$1,306,221, an increase for the year of about \$68,000. This figure compares with direct instructional expenditure of \$2,688,206. A more detailed breakdown is given in Table III. The distribution of publications is shown in Table IV.

A new graduate programme, the M. Sc. in Computer Science, was introduced. This programme will become effective July 1, 1967 and reflects the rapid growth of this comparatively young discipline.

Finally, although the strictures of space referred to earlier are already beginning to cramp our research efforts in certain areas the progress made during the year has been most encouraging and augers well for the future.



## COLLEGE OF SCIENCE

## DIRECT INSTRUCTIONAL, RESEARCH GRANT AND CONTRACT EXPENDITURES 1966-67

DEPARTMENT	Direct Instructional Expenditures	Expenditures resulting from Research Grants, etc.
College of Science General	\$ 184,365.02	\$ 1,942.96
Astronomy	67,274.29	51,299.57
Botany	337,495.19	101,446.55
Chemistry	490,716.71	307,762.92
Computer Science	137,712.51	95,410.05
Geology	259,292.59	193,516.60
Geophysics	99,960.23	86,602.99
Mathematics	350,600.70	34,897.16
Physics	375,307.53	258,801.46
Zoology	336,676.75	174,540.72
Technical Services	48,804.27	--
<b>TOTALS</b>	<b>\$ 2,688,205.79</b>	<b>\$ 1,306,220.98</b>

TABLE IV  
PUBLICATIONS BY  
COLLEGE OF SCIENCE FACULTY 1966-67

Department	Number of Publications
Astronomy	11
Botany	31
Chemistry	59
Computer Science	10
Geology	22
Geophysics	12
Mathematics	14
Physics	20
Zoology	30
<b>TOTAL</b>	<b>209</b>

## TALBOT COLLEGE

Report of the Dean

Professor John G. Rowe

The summer of 1966 saw the completion and opening of a new Arts College in The University of Western Ontario. Named for a colourful figure in the early history of Western Ontario, Talbot College is the latest administrative unit to be added to the expanding structure of the Faculty of Arts and Science in this University.

Some four hundred and fifty freshmen were enrolled in the College in the fall of 1966. Present in the College were the Departments of Classics, German, Political Science, Philosophy, Romance Languages and Russian Studies. Temporary accommodation was also offered to members of the Faculty of Business Administration, the Faculty of Dentistry, the College of Music, and the Department of English, University College. With regard to the last named department, I would like to express my gratitude for the warm interest they displayed in the establishment of the College and the contribution they made to its welfare.

At an early date, the organs of faculty government were established. The Dean met regularly with the Department Heads to deal with the day to day problems confronting him in the administration of the College. Full Faculty meetings were held every other month during which the Dean reviewed the activities of the College and presented for discussion and decision important questions touching the life of the College and its relations to the University as a whole. The Faculty was well served by its special committees. The House Committee, under the guidance of its chairman, Professor Earle Sanborn, rendered yeoman service in matters relating to the interior of the College. In particular, the House Committee took charge of the furnishing of the Faculty Lounge, thereby winning the thanks of the entire Faculty. The Library Committee, led by Professor J. W. Davis, devoted much thought to the Library of Talbot College, its contents and use by students and faculty. The Appointments Committee, also under the chairmanship of Professor Davis, served admirably throughout the entire year. Through these committees

and through meetings of the Faculty, a definite attempt was made to involve as many members of the Faculty as possible in the process of making decisions touching upon the well-being of the College.

Parallel to these developments in the Faculty was the inauguration of Student Government at Talbot College. I would like to record my special thanks to Mr. Donald S. Ferguson, President of the Middlesex College Student Council and his colleagues for their interest in developing adequate student government at Talbot College.

Special mention should be made of the Talbot College Theatre. The Faculty of the College takes particular pride in the Theatre which serves not only the College but the entire University community. The Theatre has done much to enrich the cultural life of the University and its contribution in this regard will undoubtedly be greater in the future. It has provided great encouragement to student dramatic organizations. It has played host to visiting companies and has made foreign language drama available to an increasing number of appreciative students. Under the capable leadership of its Manager, Miss Marion Wood, we may expect even greater effectiveness in the years to come.

Certain departments should be specifically mentioned for their high quality of scholarly work and teaching which have provided intellectual stimulus to the College. The Department of Romance Languages was distinguished this year by the high percentage of native speakers of the languages taught by their department. The same comment applies to the Department of Russian Studies and may explain why these two departments were notably successful in generating enthusiasm for language studies among their students. Thanks are also due to the Director of the University Language Laboratories, Professor J. S. Metford, who this year was resident in Talbot College. We have only seen the beginning of Professor Metford's labours to improve the study of languages on this campus. The Department of Russian Studies suffers a heavy loss with the retirement at the end of this year of Helen Isyumov. So also does the Department of German with the retirement of Herbert Kalbfleisch, one of the senior members of the University community, a deeply revered teacher and respected Head of Department. In the Department of Classics we see Professor Timothy's continuing interest in the Galt Family produce much scholarly fruit. Of particular note are Professor Gerber's labours in the field of classical bibliography.

The Department of Political Science continues to be one of the liveliest and most provocative departments in the University. A relative newcomer in the Department, Professor L. Singh, has published

his monograph, The Politics of Economic Cooperation in Asia, an auspicious beginning for what promises to be a productive scholarly career. The senior members of the Department, Professors Hossé, Mayo and Beecroft, continue to carry on a remarkable range of scholarly activities which serve not only the University but the community as well. Professor Mayo served as head of the Commission on Local Government in the Niagara Region and the Report has attracted much attention. Professor Mayo, on study leave in England this year, was recently elected President of the Canadian Political Science Association. Professor Beecroft, who acted as Chairman of the Department for 1966-7, found time to serve the larger community in many significant ways and to publish a short monograph entitled Municipality's Role in Water Management.

Of particular merit was the Colloquium on The Methodological Heritage of Newton sponsored by the Department of Philosophy this year. The papers delivered at this Colloquium, together with other contributions from distinguished authorities, will be published by the University of Toronto Press. No other department in Talbot College shows such rapid progress towards the highest standards of professional excellence. The elaboration of a constitution for the Department, the development of graduate programmes, the increasing scholarly activity of the faculty, all emphasize the maturation of this Department which has great academic potential. Much was gained this year from the visit of Professor Gerd Buchdahl of Cambridge University, and much is expected from Professor C. D. Rollins who will be Visiting Professor next year. Beyond question, this is one of the finest departments of Philosophy in the country.

As of July 1, 1967, the departments of Philosophy and History will be re-unified and located in Talbot College. This development has received the general approbation of all members of the Faculty, but it raises questions with regard to the future. An immediate concern within the next few months will be space. All departments at Talbot College are growing, and at the moment all available space has been allocated. The new Department of Fine Art is expected to develop rapidly and this will place a great burden on facilities now strained to capacity.

A matter for deeper concern is the future of the Colleges within the Faculty of Arts and Science. An adequate discussion of the problem is far beyond the limits of this brief report. Suffice it to say that the faculty of this College regard the resolution of this problem as one of the chief tasks confronting the University within the next year or two.

It only remains for me to express my special thanks to the

Vice-President of Arts and Science, Dr. M. K. Inman, and his Assistant, Professor J. W. Davis, for their kind cooperation during the past year. I have also been grateful for the efficiency and zeal of my Assistant Dean, Professor L. Murison of the Department of Classics. Above all, I would extend my thanks to the Faculty and students of Talbot College for their loyalty and friendliness. Together we have, I believe, made Talbot College an effectively functioning unit in the Faculty of Arts and Science and in the University as a whole.

## COLLEGE OF MUSIC

### Report of the Dean

Professor Clifford von Kuster

Enrollment at the College of Music continued to increase this year reaching a total of 123 full time degree students representing a growth of approximately 10%. An additional 150 Arts and Science students were enrolled in credit courses in music, representing an increase of more than 100% over last year.

It becomes increasingly apparent that additional temporary space will be needed for music in order to accommodate our expanding programme until plans for a new permanent building situated on campus are realized. Members of the music sub-committee of the University Development Committee, which was established last year to study the future requirements of music at U. W. O., visited three of the leading American music schools this season. A great deal of useful information regarding building design and equipment was collected.

Plans for a graduate programme in music are under way and it is hoped that a Masters programme can be offered in another year. Library holdings have been increased considerably over the past three seasons and we are indeed grateful to Dr. Talman and his staff for their support.

A national conference on the "Arts and the University", sponsored by the A. U. C. C., the Canada Council and the Centennial Committee, generated considerable interest among educators. The five day event took place at Queens University and was attended by five members of the College of Music faculty.

The joint convention of the Canadian Music Educators Association and the Ontario Music Educators Association, which was held in London, was another important musical event bringing several hundred musicians and educators from all parts of Canada and the U. S. A. to our community for three days of music workshops, lectures and concerts. Performances by outstanding musical organizations from

across the country were featured, including the U. W. O. Concert Band, the U. W. O. Orchestra and the College of Music Choral Ensemble.

The College presented fifteen programmes on CFPL-FM radio, featuring performances by college students, faculty and visiting artists. Professor Peter Clements was in charge of this project and served as radio commentator for the series.

College of Music ensembles provided music for several special University ceremonies this season. The Choral Ensemble, under Professor Woodburn's direction, performed an anthem at the opening of Talbot College. A College of Music brass ensemble, conducted by Professor Paul Green, provided the music for the special convocation in honour of Dr. George Szell. The U. W. O. Concert Band, conducted by Professor McKellar, performed at the Autumn Convocation.

Members of the faculty continue to be in demand as performers, conductors, adjudicators, lecturers and music advisors in various parts of the country. A brief resume of these activities follows:

Professor McKellar served as chief examiner in music for the Ontario Department of Education. He is immediate past-president of the Ontario Music Educators Association, and continues to act as a member of the Senate of the Ontario Educational Association as well as a member of the Board of Directors of the Ontario Educational Research Council. He was adjudicator of instrumental classes at the Toronto and Ottawa music festivals. The U. W. O. Concert Band, under Professor McKellar's direction, performed three concerts at Expo 67 on special invitation from the Canadian Government. They also performed several times on campus, including an appearance with the Sunday Nine O'Clock and a new series of noon hour concerts at Talbot Theatre which was well attended.

Professor J. McIntosh gave two lecture recitals at Aeolian Hall on the organ works of Buxtehude and Franck. He appeared as organist and harpsichordist in several other centres as well.

Professor Paul Green was an adjudicator at the Owen Sound Music Festival and gave demonstration lectures on instrumental music at Music Educators Conferences in North Bay and Chatham. His review of "Vocal and Instrumental Music -- A Resource Booklet" appeared in the convention issue of the Canadian Music Educators Journal. His concert band arrangement of "My Canada" was published by Chappell Music Company of London, England.

Professor A. Rose arranged and served as piano accompanist



for a lecture-recital at the College presenting "Vocal Music of Mozart". In its December concert, the U. W. O. Choir, which Professor Rose directs, performed for the first time in combination with the U. W. O. Orchestra.

The U. W. O. Orchestra, under Professor R. Skelton's direction, performed six times this season, including a concert at Waterloo University. A performance of Canadian compositions presented at the Arts Festival was taped and used for re-broadcast by the CBC trans-Canada radio network. Professor Skelton also conducted string workshops in Toronto and was a member of the string faculty of the Lakehead School of Fine Arts during the summer session. He adjudicated string classes at the St. Thomas music festival.

A two year theory course based on a historical approach is under preparation by Dr. C. Haenselman, who also has a reference book on the subject of Rhythm with a terminological classification in progress.

Professor J. Stark, who is corresponding editor for the journal "Current Musicology", contributed an article called "Events at the U. of T. 1965-66" published in the Spring 1966 edition pp. 23-25. His several appearances as tenor soloist included a complete performance of the Schubert song cycle "Die Shone Mullerin" with Dean von Kuster at the piano, appearances as guest artist with the London Symphony Orchestra, and soloist in performances of Handel's "Messiah" and Bach's "St. John's Passion".

Professor Howard Munn, as principal of the Western Ontario Conservatory of Music, supervised the revision of the Conservatory syllabus for publication in August, 1967, and served as adjudicator of piano classes at the Ottawa music festival. He is also president of the London Chamber Music Society.

The Conservatory Choir, whose permanent director is Professor Earle Terry, performed the Bach B Minor Mass with the Cleveland Symphony and soloists Lois Marshall, Maureen Forrester, Donald Bell and Leopold Simoneau, Robert Shaw conducting, at Spring Festival '67.

Dean von Kuster was featured piano soloist with the Aeolian Hall Chamber Orchestra in their November concert and appeared in Belgium as harpsichordist in performances of Monteverdi's "Orfeo" in Brussels and Antwerp.

The U. B. C. Trio, sponsored by the A. U. C. C. University

Centennial Project for music, was heard in two concerts here, playing seldom heard works by Hindemith and Webern and a newly written trio by Barbara Pentland composed especially for the U.B.C. Trio.

[The following text is extremely faint and largely illegible, appearing to be a continuation of a review or report. It contains several paragraphs of text, including names and dates, but the characters are too light to transcribe accurately.]

## HEALTH SCIENCES

### Report of the Vice-President

Dr. O. H. Warwick

Possibly the most significant event of 1966-67 relating to the Health Sciences of the University of Western Ontario was the retirement of President Hall. During his long and important tenure of office, Dr. Hall was the key figure in the development of Medicine, Dentistry, and Nursing at this University. He recognized the importance of having the educational facilities for these professions on the University campus. For Nursing, which he had helped to make an autonomous school in 1947, this goal was accomplished in 1951 and in 1960 the Kresge School of Nursing was completed. One year later, a Unit of the National Cancer Institute of Canada was added and in 1965, the Medical Sciences Building was completed. Largely through his influence, the second school of Dentistry in this province came into being at Western and a small first class was accepted in September, 1966. The new Dental Sciences Building will be ready for occupancy in 1968. Again, Dr. Hall gave every encouragement in our efforts to complete a Health Sciences Centre by the further addition of a University Hospital, the final approval for which was, fittingly, obtained just before his retirement. The Centre, when completed in 1970 or 1971, will be a tribute to the important contribution he made to Western Ontario in the field of health education. We thank him for his efforts on our behalf and we wish him the greatest enjoyment in his well-earned retirement.

During this period of rapid physical and academic expansion, our dealings with government continue to occupy much time, yet good progress is being made. Construction of the Dental Sciences Building began in August, 1966, and is proceeding satisfactorily. Equally important has been the decision by government to approve the London Health Association's plans for the University Hospital and to award \$30,000,000 towards the total cost of construction. The balance of \$6,000,000 is being met by a generous grant from the Richard Ivey Foundation and from funds of the London Health Association itself. Appreciation is expressed to the many members of our own staff who have helped in planning and we particularly wish to thank Mr. J. H. Stevens,

Mr. Walter J. Blackburn and Dr. John B. Neilson, Directors of the Association, who have worked directly on the project. We also wish to record our deepest regret at the death of Mr. G. Lionel Blair, Business Manager of the Beck Memorial Sanatorium, who had helped greatly in the many details of planning.

As noted in Dean Bocking's report, we had this year, for possibly the first time, a significantly greater number of good applicants in Medicine than we could accommodate. With over 400 additional beds and related facilities becoming available for teaching in 1971, consideration is being given to the practicability of increasing our entering classes in Medicine to 96 or 100. This factor, along with a greatly increased responsibility in teaching nursing students, physiotherapy students, physical education students, students in the basic medical science honours programmes and graduate students, will necessitate, as has been anticipated, extension of the School of Nursing, the development of a West Wing of the Medical Sciences Building and additions to the Library and to the Animal Quarters.

### Medicine

Dean Bocking's report concerning the Faculty of Medicine touches on many points, several of which might be emphasized. The first is that of a marked increase in the amount of time required of faculty on University committees, particularly of Senate. The provisions of the new University Act carry no suggestion that the present situation in this regard will improve, although it is to be hoped that the effort may be shared more equitably through participation by more members of faculty.

Another matter of importance is that of increasing liaison with our affiliated teaching hospitals. In the field of specialty training in the clinical sciences, it is becoming clear that co-ordination of training programmes at the university level will not only be helpful but will also be a requirement for approval by the Royal College of Physicians and Surgeons of Canada. The marked increase in numbers of full-time clinical staff in our hospitals also requires constant liaison between hospital and university at the administrative level.

The creation of a Department of Community Medicine is an expression of our desire to relate more closely with the community in all matters relating to the preservation of health and the care of the sick. The new programme at St. Joseph's Hospital for the special training of family physicians is going well and as a new project in Canadian medical education may have important meaning for the future. It has also been encouraging to witness the growth of our programme of

continuing education, particularly the pioneering in Canada of the use of television where the aim, hopefully, has been to reach and interest practitioners in their home setting.

Close liaison has been established with Fanshawe College, where special emphasis may be placed on courses allied to health care.

### Dentistry

From Dean Dunn's report, it is clear that dental education at this University is well underway, nourished by buoyant enthusiasm of staff and students. It is no easy task to recruit the required academic staff for a new School of Dentistry, but Dean Dunn has been most successful in this regard. Excellent Department and Division Chairmen have been selected and we may expect to see many innovations in dental education at our School.

### Nursing

In the School of Nursing, Dean Aikin is also experiencing rapid changes in the education programmes. The B.Sc.(N.) programme has become the full responsibility of the University which in turn means further responsibilities, such as developing the programme and supplying the teaching staff within our affiliated hospitals. Their co-operation is gratefully acknowledged. In the field of continuing education, Dean Aikin and her staff have established a wide reputation. The Annual Seminar for senior nurses and administrators draws participants from all of Canada. With the addition of new staff, it will be possible to meet increasing responsibilities.

In summary, we are going through a period of great activity in both academic and building programmes. As teachers and administrators, we shall probably survive the experience. It is of even greater importance, however, that through it all the quality of our teaching and all that we have to offer our students are constantly improved.

## FACULTY OF MEDICINE

### Report of the Dean

Dr. D. Bocking

The Faculty of Medicine joined with sister faculties in paying tribute to Dr. G. E. Hall on his retirement as President of the University after twenty years of dedicated service. The Faculty pledges its full support to the new President, Dr. D. Carlton Williams.

The deaths of two former long-time members of the Faculty are recorded regretfully. On July 8, 1966, the death of Dr. F. R. Clegg occurred bringing sadness to his many friends, students, and patients. Dr. Clegg served on the Faculty from 1916 to 1956 and was Professor of Obstetrics and Gynaecology at the time of his retirement. Dr. H. Alan Skinner passed away on February 10, 1966. He had been on the staff of the Department of Anatomy from 1928 to 1965 serving as Professor and Head of the Department from 1949 until his retirement. In addition to being recognized as an outstanding teacher of Anatomy and scholar, he made significant contributions locally and nationally to the support of the theatre and ballet.

### Personnel

During the year, Professor M. L. Barr asked that he be relieved as Head of the Department of Anatomy in order to devote more time to teaching, research, and writing. His many contributions along with those of his colleagues in the field of cytogenetics have brought international recognition. Dr. Barr served as Head of the Department of Microscopic Anatomy from 1953 to 1964 and then as Head of the Department of Anatomy. The Faculty is extremely fortunate that Professor R. C. Buck has accepted the Chairmanship of the Department to become effective September 1, 1967. Dr. Buck has been a member of the Department since 1952 with major interests in histology, electron microscopy, and research into atherosclerosis.

A significant development has been the division of the Department

of Psychiatry and Preventive Medicine into separate Departments of Psychiatry and of Community Medicine effective July 1, 1967. Dr. G. E. Hobbs will continue as Head of the Department of Psychiatry. The Department of Community Medicine will consist of a sub-department of Epidemiology and Preventive Medicine, and a sub-department of Family Medicine. In the Faculty of Graduate Studies the new Department will be Epidemiology and Preventive Medicine. Dr. Carol Buck will be first Chairman of the Department of Community Medicine and Head of the sub-department of Epidemiology and Preventive Medicine.

The resignation of Dr. R. E. Greenway as Head of the Department of Otology, Rhinology, and Laryngology, was received with regret effective July 31, 1967. Professor Greenway will continue his teaching and clinical activities as Chief of the E. N. T. Service at Victoria Hospital. Dr. F. J. Rounthwaite will be Head of the Department effective August 1, 1967, and will continue as Chief of the E. N. T. Service at St. Joseph's Hospital.

Planning for the new Programme in Medical Rehabilitation to be instituted in September, 1967, has continued with the appointment of Miss Sally Morgan as Director. The programme will be under the overall direction of Dr. M. G. P. Cameron, Professor and Head of the Department of Physical Medicine and Rehabilitation. Approval was given by Senate for the granting of the degree of Bachelor of Science in Medical Rehabilitation (Physiotherapy) B.Sc.M.R. (P. T.).

The following resignations of senior personnel have been accepted with regret. Professor J. R. Beaton of the Department of Physiology resigned June 30, to become Chairman of the Division of Nutrition, University of Hawaii. Professor D. H. Carr of the Department of Anatomy resigned June 30 to accept an appointment at McMaster University. Professor R. A. Snyder of the Department of Biophysics left on June 30 to join the University of Waterloo. Dr. I. R. Duncan resigned as Chief of Microbiology at St. Joseph's and Westminster Hospitals to accept an appointment at Sunnybrook Hospital, Toronto. Dr. E. J. Penikett resigned as Chief of Microbiology at Victoria Hospital effective June 30, 1967 to accept a position in Dawson City, Yukon.

Dr. L. A. Hatch has been appointed Chief of Microbiology at St. Joseph's Hospital effective July 1, 1967. A newly created Service of Medical Biochemistry was established at St. Joseph's Hospital with the appointment of Dr. M. Binns-Smith as Chief and Clinical Associate Professor in the Department of Pathological Chemistry effective June 1, 1967.

Dr. R. R. Aitken was appointed Chief of Anaesthesia at Victoria

Hospital effective October 1, 1966. Dr. P. R. Clancy was appointed Acting Chief of Anaesthesia at St. Joseph's Hospital effective March 1, 1967 to replace Dr. J. M. Growse whose resignation was accepted with regret.

Professor J. T. Hamilton was granted Study Leave for the period January 1 to September 30, 1967, to continue his research in the Department of Pharmacology at Edinburgh University. Dr. E. N. C. Milne of the Department of Diagnostic Radiology was on leave of absence from July 1, 1966 to June 30, 1967, doing research at the University of California, San Francisco.

### Administration

The Faculty of Medicine has participated in the planning for the new University Act to become effective July 1, 1967. Professor J. A. F. Stevenson was a member of the Senate Review Committee and is also a member of the University Development Commission. Professor R. E. Greenway and Professor H. B. Stewart, as Senators of the Faculty of Medicine, served on the Senate Policy Committee and important sub-committees of this body. Professor Stewart also served on the joint Board of Governors - Senate Committee.

The ad hoc Committee on Chairmen and Deans, a joint committee of the Faculties of Dentistry and Medicine, made recommendations regarding the principle of rotation for Heads of Departments and Deans. Their recommendations were adopted in principle but will be subject to the final recommendations of the University Committee on Senior Appointments yet to be approved by Senate and the Board of Governors.

Dr. J. R. Beaton served on the University Parking Committee. Dr. B. P. Squires was named by the Faculty of Medicine to the new University Television Council. Dr. J. A. F. Stevenson was appointed to the new University Library Council. Dr. R. B. Philp was appointed Chairman of the new University Committee on Animal Care and Procurement.

The Faculty participated in the completion of questionnaires and a submission to the provincial Committee on the Healing Arts in cooperation with the other Health Science Faculties and the other Ontario medical schools.

Vice-President O. H. Warwick and the Dean met on several occasions with the Senior Co-ordinating Committee and senior officials of the Ontario Hospital Services Commission concerning matters related to the Health Resources Fund and the newly established participa-



tion of the O. H. S. C. in arrangements for full-time and major part-time geographic appointees at the teaching hospitals.

### Academic Activities

The Basic Science Departments in September, 1966, enrolled 25 students in the third year of the new Honours B.Sc. courses in Anatomy, Biochemistry, Biophysics, Bacteriology and Immunology, Physiology, and Pharmacology. These courses are offered under the Faculty of Arts and Science.

The Admissions Committee faced an increasingly difficult task in the selection of a class of 75 medical students from 450 applicants. Interviewing of applicants and the use of the Medical College Admission Test were of assistance in the selection of students.

During the 1966-67 year, undergraduate enrollment was 77 students in first year, 72 in second year, 56 in third year, and 59 in fourth year. There were 58 graduates at Spring Convocation with five graduating cum laude. This class was the first to graduate having taken four years of the new curriculum. One of the major features has been the attempt to achieve a clinical clerkship for the fourth year students.

For the first time, the Medical Council of Canada introduced a multiple-choice examination for the paper in Medicine. An ad hoc Committee on Multiple Choice Examinations was appointed by Council of the Faculty to review and make recommendations in this regard.

As a result of the deliberations of a Study Group on the Neurological Sciences, an ad hoc Committee was established to make recommendations on ways and means of co-ordinating and integrating teaching in the basic and clinical sciences related to Neurology.

Plans were made for the introduction of a series of four lectures on Information and Computer Science for third year students.

Ad hoc Committees on a combined Honours B.Sc. - M. D. programme, and a combined M. D. - Ph. D. programme were also appointed.

A Western Immunology Club was formed in the fall of 1966 to bring together informally faculty and students from several departments with a mutual interest in some aspect of Immunology. The recognition of the need to develop a comprehensive plan for the future of Immunology at this University resulted in the appointment of an

ad hoc Committee on Immunology to study the situation, and make recommendations.

Similarly, teaching and research in the field of genetics is poorly co-ordinated. A joint ad hoc Committee on Genetics was appointed with representation from the Faculties of Graduate Studies, Dentistry, and Medicine, and the College of Science.

At the graduate level, the number of students registered in the Medical Division of the Faculty of Graduate Studies was 84.

Students taking clinical graduate training at the various teaching hospitals totalled 93. In addition, there were 11 junior internes at St. Joseph's and Victoria Hospitals.

The Royal College of Physicians and Surgeons of Canada granted approval for full training in Urology at Victoria Hospital. Approval was also given for a Graduate Training Programme in Bacteriology co-ordinated by the University with the teaching hospitals.

During the year, the Committee on Graduate and Continuing Education was divided into two committees - a Committee on Clinical Graduate Education under the chairmanship of Dr. D. C. Bondy and a Committee on Continuing Education under Dr. A. T. Hunter.

At the same time, the following Directors of Medical Education were appointed: Dr. J. H. Hemming at Westminster Hospital, Dr. J. L. Loudon at Victoria Hospital, and Dr. G. E. Lovatt at St. Joseph's Hospital. The Directors of Medical Education are members of the Committee on Clinical Graduate Education and will assist in the co-ordination of the educational component of internships, residences, and externships. The Committee has recommended that straight and mixed Internships be introduced at St. Joseph's and Victoria Hospitals in addition to the traditional rotating internship. The straight internship is now accepted by the College of Physicians and Surgeons of Ontario providing the graduate has had an approved clinical clerkship.

The first year of the Graduate Training Programme for Family Medicine at St. Joseph's Hospital under the direction of Dr. A. T. Hunter has been completed. Nine new graduates have registered for the first year 1967-68 and three of this year's four trainees are proceeding into the second year of the programme. Sixteen general practitioners have participated in the training programme as preceptors.

Victoria Hospital has approved plans for a General Practice out-patient clinic to begin in September, 1967. This clinic will be used initially for undergraduate teaching in general practice.

It is anticipated that the appointment of a Head for the sub-department of Family Medicine will strengthen undergraduate and graduate teaching and research in family medicine at the teaching hospitals.

The programme of Continuing Education under the direction of Dr. A. T. Hunter continued to co-ordinate arrangements for special refresher days and lectureships. On December 7, 1966, Dr. Maurice Lev, Director of the Congenital Heart Disease Research and Training Centre in Chicago, gave the John A. Macgregor Memorial Lecture in conjunction with a Refresher Day on Congenital Heart Disease. The Wallace R. Graham Memorial Lecture was given by Dr. M. A. Ogryzlo of Toronto on December 13, 1966.

A Clinical Conference on Leukemia was held at Victoria Hospital on November 4, under the sponsorship of the Ontario Cancer Treatment and Research Foundation, London Clinic, and the Department of Therapeutic Radiology.

This year, for the first time, the Medical Research Council of Canada sponsored Visiting Professors at the various Canadian medical schools. This Faculty was fortunate in having three distinguished Canadian medical scientists spend a week participating in undergraduate and graduate teaching and in discussion of research problems.

Dr. L. J. Poirier of the Department of Physiology at Laval University visited the Department of Anatomy in February. Dr. J. P. Cordeau of the Department of Physiology at the University of Montreal was the guest of the Department of Physiology in March. In April, Dr. S. Segal of the Department of Paediatrics at the University of British Columbia visited the Department of Obstetrics and Gynaecology and also delivered the Dr. F. R. Eccles Memorial Medical Alumni Lecture.

In October, Professor A. L. d'Abreu of the University of Birmingham visited the Department of Surgery as McLaughlin Foundation Edward Gallie Visiting Professor of The Royal College of Physicians and Surgeons of Canada. Dr. F. P. Patterson of the Division of Orthopaedic Surgery at the University of British Columbia was visiting Orthopaedic Professor in May.

In December, the Department of Psychiatry was visited by Professor I. M. Saarma, Dean and Professor of Psychiatry of the Faculty of Medicine, University of Tartu, Estonia, U.S.S.R. Dr. Robin C. Hunter of Queen's University visited the Department of Psychiatry in April as the Sandoz Travelling Professor.

The Programme on Continuing Education and a Sub-committee on Medical Educational Television under Dr. Peter Rechnitzer in co-operation with CFPL-TV, produced a series of ten half-hour videotape recordings which were broadcast in the spring by CFPL-TV on Sunday mornings along with an additional five imported tapes. These programmes were well received. The provincial and federal Departments of Health are supporting a research study in evaluating television as a medium for continuing medical education.

As a result of this series, plans are being made for a Festival of Medical Education Television to be held at Western in September, 1967.

Another outstanding international event was the Symposium on Electrical Activity of the Heart held on May 24, to 26, 1967, sponsored jointly by the Ontario Heart Foundation and this Faculty of Medicine under the general chairmanship of Dr. G. W. Manning.

### Research

Members of the Faculty received support for their research from several sources including the Medical Research Council, the National Cancer Institute, National Health Grants, the Ontario Mental Health Foundation, etc. The total research budget for the Faculty was \$1,738,965.48. The results of the research efforts are reported in the over 125 publications contained in the appended list. Each Department co-operated in the surveys on the status of research conducted by the Medical Research Council.

Dr. S. B. Effer was awarded a Canadian Life Insurance Association Fellowship to assist in supporting him as a full-time clinical scientist in the Department of Obstetrics and Gynaecology at St. Joseph's Hospital.

New Medical Research Council Scholarships were awarded to Drs. Margot Roach, A. C. Groom, and M. H. Sherebrin in the Department of Biophysics; Dr. J. Trevithick in Biochemistry; and Dr. N. R. Sinclair in the Department of Bacteriology and Immunology and the Cancer Research Laboratory.

Dr. J. W. D. McDonald, a nominee of this Faculty, received one of the ten M. R. C. Centennial Fellowships awarded for the first time in Canada.

This Faculty is aware of its responsibilities to patients involved in clinical research. In order to make recommendations in this increasingly important matter, an ad hoc Committee on the Ethics of Clinical Investigation has been appointed.

## Undergraduate Activities

The undergraduates continued to take an active interest in intramural and extramural sports, government, and many cultural organizations. Mr. John Patrick, a final year student, served as President of the University Students Council. Brian Hutchison was Chairman of a student committee which made recommendations concerning student housing.

A mentor system was introduced in September, 1966, whereby 5 or 6 students were assigned to one interested staff member. It is hoped that this may provide an opportunity for students and staff to discuss problems which are not necessarily academic.

In this Centennial Year, it is worthy of note that Mr. Peter Clark, a second year student, was selected as a member of the Ontario team in the Centennial Canoe Pageant - a tribute to his canoeing prowess.

This Faculty supported the C.A.M.S.I. School of Frontier Medicine to be held at Inuvik, N.W.T., in August, 1967. Two 2nd year and three 3rd year students were chosen to represent this school.

## Health Team Responsibilities

This Faculty has continued to enjoy a very close relationship with the School of Nursing and the new Faculty of Dentistry.

The Faculty has also been concerned with the role it should play in the education of other members of the health team.

The newly established Ontario Council on Health will be giving guidance in this important area. The Council is fortunate to have among its members Dr. G. E. Hall, Dean R. C. Aikin, and Dean W. J. Dunn.

A close association with Fanshawe College, the new College of Applied Arts and Technology for the Counties of Elgin, Middlesex, Norfolk, and Oxford, has been formally strengthened by the establishment of a Fanshawe College - Health Sciences Liaison Committee.

## Medical Exchange Programme

One student from Kenya was admitted to first year under the auspices of the External Aid Office.

The Committee on Foreign Exchange Programmes has continued to strengthen the liaison between this Faculty and the Jawaharlal

Institute for Postgraduate Medical Education and Research at Pondicherry, India. JIPMER was visited in the fall of 1966 by Vice-President O. H. Warwick and Dr. J. A. McKim who attended the World Congress on Medical Education in New Delhi and by Dr. G. W. Manning who attended the International Congress of Cardiology at New Delhi. It is anticipated that with Colombo Plan support this exchange programme may be of mutual benefit to both institutions.

- " -

Among special honours and distinctions to members of the Faculty of Dentistry and Medicine, the following are noted:

Dr. M. L. Barr, L.L.D. (Hon.), University of Alberta; Dr. Med. (h. c.), University of Basel, Switzerland; F. N. G. Starr Medal of the Canadian Medical Association; Medal of Honour, Pharmaceutical Manufacturers Association of Canada; Invited Lecturer at Fiftieth Anniversary Ceremonies of the National Research Council; Invited Lecturer, American Association for Mental Deficiency; C. M. Pomeraton Memorial Lecturer, University of Texas Medical Branch; Invited Lecturer, American Association of Plastic Surgeons.

Dr. D. H. Carr, Invited Lecturer and Fellow of American College of Obstetrics and Gynaecology; Invited Lecturer, Symposium on the Ovary, Harper Hospital, Detroit.

Dr. G. G. Copestake, Visiting Professor, University of Manitoba.

Dr. C. G. Drake, Visiting Professor, University of Vermont, University of British Columbia, University of Alberta, and University of Tennessee.

Dr. R. W. Gunton, M.R.C. Visiting Professor, University of Saskatchewan.

Dr. M. J. Hollenberg, Invited Lecturer, Human Biology Seminar, Wayne State University.

Dr. J. C. Kennedy, Visiting Professor, University of Ottawa.

Dr. A. D. McLachlin, Sims Commonwealth Travelling Professor of the Royal College of Surgeons; Moynihan Lecturer; Horder Lecturer.

Dr. W. E. Spoerel, Visiting Professor, Northwestern University Medical School, Chicago, Illinois.

In addition, to many faculty, university and provincial organization assignments, the following special and national organizational duties and participation in international conferences should be noted for members of the Faculties of Dentistry and Medicine.

Dr. M. L. Barr, Chairman, M.R.C. Survey team for Anatomy; Member of Associate Committee on Dental Research, N.R.C.; Member of M.R.C. Grants Committee for Neurological Sciences and Morphology; Councillor, Canadian Society for Cell Biology; Member of Executive Committee, American Association of Anatomists.

Dr. P. R. Clancy, Delegate to Council of the Canadian Anaesthetists Society.

Dr. C. G. Drake, President, Canadian Neurosurgical Society; Vice-President, American Association of Neurological Surgeons; Councillor, Royal College of Physicians and Surgeons of Canada; Director, American Academy of Neurological Surgeons; Editor of Publications, World Federation of Neurosurgical Societies; Member, Advisory Council for Neurosurgery, American College of Surgeons; Chairman, Canadian Council on Hospital Accreditation; Member, Editorial Board, Journal of Neurosurgery.

Dr. C. W. Gowdey, Member of N.R.C. Associate Committees on Space Research and on Dental Research; Member of Canadian Drug Advisory Committee to the Minister of National Health and Welfare; Member of the Expert Committee of the Food and Drug Directorate on proprietary and patent medicines; Member of panel on Aviation and Underwater Physiology; Attended 3rd International Pharmacological Congress, Sao Paulo; Attended Canadian Foundation for the Advancement of Therapeutics Symposium on Problems in Clinical Pharmacology at Ste. Adele-en-Haut, Quebec.

Dr. E. E. Johnston, Councillor for Western Ontario to the Canadian Association of Radiologists.

Dr. J. C. Kennedy, President-Elect, Canadian Orthopaedic Association; Chairman, Committee on Orthopaedics, Royal College of Surgeons.

Dr. J. A. McCarter, Chairman, M.R.C. Survey team on Biochemistry.

Dr. R. M. McFarlane, President, Canadian Society of Plastic Surgeons; Programme Chairman, American Society for Surgery of the Hand.

Dr. A. D. McLachlin, Vice-President, American Surgical Association.

Dr. A. H. Neufeld, Canadian Federation of Biological Societies representative to the National Cancer Institute of Canada.

Dr. J. M. Parker, President of the Pharmacological Society of Canada; Chairman of the Canadian Association for Research in Toxicology; Member of Council of Canadian Society of Chemotherapy; Chairman of D. R. B. Panel on Toxicology.

Dr. R. B. Philp, attended Fourth International Biometeorological Congress at Rutgers University, New Brunswick, N. J.

Dr. J. C. Rathbun, Chairman of Accreditation Board for Children's Mental Health Facilities.

Dr. R. J. Rossiter, President, Canadian Association for the Advancement of the Health Sciences.

Dr. J. A. F. Stevenson, Director, Canadian Association for the Advancement of the Health Sciences.

Dr. J. H. Walters, Chairman, Manpower Committee, Canadian Medical Association.



## SCHOOL OF NURSING

### Report of the Dean

Professor R. Catherine Aikin

During the year 1967-68, the major activities of the School of Nursing centered around the establishment of new programmes and the phasing out of older programmes. These changes came about during the final year that Dr. G. Edward Hall was President of the University. Throughout his presidency, Dr. Hall gave support and encouragement to the School of Nursing and because of his leadership, many obstacles were removed, making it possible to finally bring about needed changes.

In the spring of 1966, the School of Nursing announced a new four-year programme to replace the former B.Sc.N. programme which required two years of university study and two to three years in a diploma school of nursing outside the university. The number of applicants increased from approximately forty to approximately two hundred. So large an increase was not anticipated and was very encouraging. It was necessary to limit enrollment to twenty-five students this past year, but it is foreseen that within a few years seventy-five to one hundred students will be enrolled each year.

The first class completed the year very satisfactorily. Two students transferred to the Faculty of Arts and Science. Only one student failed one course. Clinical experience in nursing during the academic year and the additional five-week term in May and June was arranged primarily at Westminster Hospital. The cooperation of the hospital staff was excellent and faculty and students were delighted with the opportunities for learning which were made possible.

The three diploma programmes for registered nurses were offered for the last time during this past year. The older patterns of Bachelor of Science in Nursing programmes are being phased out, resulting in more registered nurses returning to complete degree requirements. One hundred and three B.Sc.N. degrees were awarded this past year. The Alumni Office generously assisted the School in notifying all nursing alumni of the changes taking place and the opportunity to

complete a nursing degree programme under the older plans by 1970. A new three-year B.Sc.N. programme will be offered in the fall of 1967 and the faculty have been busy planning the curriculum for it.

A new graduate programme in Nursing Education was offered this year. Six students were enrolled. Four students enrolled in the first year of the Nursing Administration programme, while four students completed the second year of this programme. Although this is a slightly increased enrollment, there is indication that more publicity of the programmes is needed to encourage more nurses to undertake graduate studies. The demand for better prepared leaders is great, justifying continuing to assist in meeting this need.

The fifth Seminar for Senior Nursing Executives was offered in June. The attendance was the largest to date and nursing leaders from every province in Canada participated. One nurse from India and one from United States also participated. The Seminar was very enthusiastically received and it appears this is a worthwhile endeavour. Other forms of continuing education are being considered, but are being postponed until more faculty are appointed.

The Nursing Reading Room has become part of the responsibility of the Health Sciences Library, resulting in increased library services. The School of Nursing faculty play a minor role in the Health Sciences Central Services Committee and its sub-committees, but this has assisted the School in several ways, noticeably through the Arts Services and the Teaching Aids Services.

A Brief was submitted to the Ontario Committee on The Healing Arts. The faculty were also consulted in relation to a study of nursing being conducted on behalf of this Committee. Our contributions seemed to be well received and we are grateful for the opportunity to participate. We would like to acknowledge the excellent leadership Dr. Amy E. Griffin gave in these activities.

We continue to assist in the planning of the University Hospital. Miss Diane Stewart has been appointed Director of Nursing of University Hospital and Associate Professor (part-time) in the School of Nursing. This is the first such appointment in the School of Nursing and we look forward to excellent cooperation between the nursing service staff of the hospital and the faculty of the School.

A very active recruitment programme for faculty has been initiated. Qualified faculty are not readily available so that every possible source must be investigated.

Miss Elisabeth Hartig resigned this year to return to Saskatchewan. Miss Hartig made an excellent contribution during the two years she was on the faculty, especially in relation to curriculum planning.

Miss Eileen Healey was granted a year's leave of absence to study at the Institute of Education of the University of London. She completed requirements for a Master of Arts degree.

In January, the faculty of the School of Nursing held a two-day conference for Deans, Directors and faculty of all university schools of nursing in Ontario. This proved so successful that a further conference was held at the University of Windsor and it is likely such conferences will be held regularly in the future.

The faculty continue to make a contribution to professional activities outside the university. Miss D. Hibbert was invited as a consultant to the administrators of the Royal Victoria Hospital, Montreal, regarding their nursing service, was chairman of a Canadian Nurses Association Committee to plan for workshops in Nursing Service Administration, and conducted a two-day conference on leadership for senior nursing staff at Victoria Hospital, London. Miss T. Potter is president of the North Middlesex Chapter of the Registered Nurses Association of Ontario. Mrs. J. Peitchinis is a member of a special committee on psychiatric nursing of the Registered Nurses Association of Ontario. Miss L. Brown has been appointed as a member of the Ontario Advisory Committee for Maternal and Child Health. The Dean is a member of the Ontario Council of Health and the executive of the Canadian Conference of University Schools of Nursing.

One or more faculty members attended the following meetings or conferences: Canadian Nurses' Association Biennial Meeting; Association of Universities and Colleges of Canada Annual Meeting; Registered Nurses Association of Ontario Annual Meeting; National League for Nursing Biennial Meeting; Canadian Conference of University Schools of Nursing Western Region Meeting and National Annual Meeting; Ontario Hospital Services Commission Hospital Programme and Planning Conference; Canadian Public Health Association Annual Meeting; Ontario Public Health Association Annual Meeting and the Public Health Nursing Directors Conference of the Ontario Department of Health.

The programmes of the School of Nursing are dependent upon the contribution made by members of the Faculty of Arts and Science, the Faculty of Medicine and a large number of hospitals and other health agencies. We are most appreciative of the continuing excellent assistance we receive.

## FACULTY OF DENTISTRY

Report of the Dean

Dr. Wesley J. Dunn

### Curriculum Development Committee

One of the most significant actions taken by the Council of the Faculty of Dentistry during the past academic year has been the creation of a Curriculum Development Committee. The active committee consists of Dr. P. G. Dellow, Chairman; Dr. P. E. Currie; Dr. D. G. Gardner; Dr. K. Hoshino; Dr. R. E. Jordan; and the Dean of the Faculty acting in an ex officio capacity. Upon the arrival of Professor W. H. Feasby on July 1, 1967 he, too, will assume an active role as a member of the committee. Consultants to the committee are Dr. J. A. Guest, Professor A. Murray Hunt, Dr. Ian Walker, Dr. C. E. Whitman, and from the Board of Directors of the Royal College of Dental Surgeons of Ontario, Dr. D. A. Cheetham and Dr. Ted Wachna.

The broad terms of reference of this committee are three in number:

- (1) to state the aims and objectives of the Faculty of Dentistry in its education programme;
- (2) to recommend the curriculum which it considers will best serve to achieve these objectives within the students enrolled for the degree of Doctor of Dental Surgery;
- (3) To have the authority to seek expert opinion.

Dental schools in Canada and the United States are charged with a responsibility not assumed by any other professional educational institution. It is expected that the graduate of a Canadian dental school will have a solid foundation of basic sciences; he will have a broad theoretical awareness of the subjects indigenous to the art of his profession; and he will be competent in the application of that art. It is quite unrealistic to expect a modern dental school adequately to discharge that full range of responsibility in four academic years.

In medicine, before the graduate of a Faculty of Medicine is permitted to practise, he must complete an internship programme. The legal profession requires of its graduate several months of articling followed by a bar admission course.

When the young engineer has graduated he, almost always, assumes a very junior position in which he performs his professional functions under the supervision of someone more experienced. The neophyte teacher is responsible to a department head, a vice-principal, and a principal, and follows procedures which have been rather meticulously outlined for him. The graduate nurse, by the very nature of her discipline, performs her services under supervision.

Of all the major professions it is only dentistry which expects its graduates "to be off and running" the day they receive their University degrees. Not only are these graduates expected to be able to perform a wide range of treatment services but there is an expectation that they have a rather comprehensive appreciation of effective and efficient practice administration including the utilization of auxiliary personnel. It is time that the profession recognizes that the modern dental school, if it is to give appropriate attention to basic sciences and to the theoretical aspects of the clinical sciences, cannot hope to produce graduates sufficiently competent to engage in immediate independent practice. Unless the dental school is able to liberate much more time in the undergraduate curriculum to permit greater attention to basic sciences then the profession will have to continue to be content to find itself, except for only a handful of its members, outside the main stream of the biological sciences in Canada. We are simply not producing dental scientists proportionate to our professional complement.

As the functions of the school and the licensing authority are virtually inseparable in this area this Faculty is hopeful that the Board of Directors of the Royal College of Dental Surgeons of Ontario will give serious attention to this matter to the end that from the joint deliberations of the Board and our Council we may develop a programme which will assure a body of practitioners well founded in the basic sciences, thoroughly familiar with all subjects bearing on the art of the profession, and possessing the technical competence and administrative experience to render a superior quality of treatment services.

#### Official Ground-Breaking

Although the general contractor for the Dental Sciences Building commenced his activities on August 22, 1966, the official ground-breaking ceremony was delayed until September 27. The

university was privileged to have the Honourable M. B. Dymond, M.D., LL.D., Minister of Health of the Province of Ontario, to turn the first sod and to address those assembled to witness this historic ceremony. The construction phase is proceeding on schedule and there is reasonable optimism that the building should be delivered to the university in the early summer of 1968. Plans have already been initiated for the official opening of the Dental Sciences Building on Friday, October 25, 1968.

### The First Class

Eighty-eight applications were received for admission to the first year class, 1966-1967. Five of these were subsequently withdrawn and from the remaining eighty-three, eight students were finally admitted. Unfortunately, during the course of the year one student, for personal reasons, withdrew from the programme. The remaining seven students have performed most creditably. Academically, all completed their first year satisfactorily, three of them receiving first-class honours and three earning second-class honours.

The class has initiated student activities in our Faculty in a fashion which assures a high standard of participation in the years which lie ahead. A creatively-amusing float appeared in the Homecoming Parade only a few short weeks after lectures began. The University of Western Ontario Dental Students' Society was officially recognized by the university community when its constitution was ratified in the spring of 1967 by the University Students' Council. Then came the journal. To the best of our knowledge this is the only dental school in the world the freshman class of which was able to produce a journal in the first year of operation. And what a journal it was! Among 178 university publications submitted for assessment by a panel of expert judges, the Journal of The University of Western Ontario Dental Students' Society was selected among the top five.

### Continuing Education

Council has established a Committee on Continuing Education with Brigadier K. M. Baird as its Chairman. By this action, Council has recognized the need for the university's participation in continuing education and has also provided an administrative mechanism to permit a co-operative arrangement between the Faculty and the Royal College of Dental Surgeons to operate an Extramural Lecture Programme similar to the one which has functioned so effectively at the University of Toronto for many years. Already, several members of faculty have received invitations from local dental societies to address them within the Extramural Lecture Program.

### Academic Hood

Approval has been given to the academic hood to be employed to designate the Doctor of Dental Surgery degree of The University of Western Ontario. The university colours of purple and white are embodied in the hood and dentistry is distinguished by the use of lilac coloured silk. The colour lilac has, for many years, been dentistry's official colour and we are fortunate that it blends so beautifully with the university colours.

### Aptitude Test Programme

The Senate, acting on the recommendation of Council, has made the presentation of the results of either the Canadian Dental Association or American Dental Association Aptitude Test Programme mandatory for consideration for admission. A test centre was established at The University of Western Ontario and tests were conducted in January and again in April. The January tests were administered by Professor Gordon Turner of the Department of Psychology and the tests in April were under the supervision of Mr. Henry Feenstra, a graduate student in that department. This Faculty will co-operate closely with the Aptitude Test Committee of the Canadian Dental Association as validation studies are proceeded with from time to time.

### RCDS Centennial Admissions Scholarships

It is with the utmost appreciation that this Faculty acknowledges the gracious generosity of the Board of Directors of the Royal College of Dental Surgeons of Ontario in making available RCDS Centennial Admissions Scholarships. These awards are two in number, one in the amount of \$350.00 and the other in the amount of \$250.00. As conditions, a candidate must:

- (a) register in the first year of the course in the Faculty of Dentistry;
- (b) be an Ontario resident and have completed Ontario Grade XIII or equivalent at first attempt;
- (c) have obtained honour standing (an average of at least 75% in the Ontario (or equivalent) Grade XIII examinations) and when university admission grading is established that that portion of evaluation be based on university grading;
- (d) have obtained at least 60% in each of the mandatory pre-dental science subjects at university level (physics, general chemistry, organic chemistry, and biology) as well as an over-all "B" average in these subjects.

In the event that the two scholarship recipients cannot be differentiated academically, two equal scholarships in the amount of \$300.00 each will be awarded. It is hoped that there will be eligible recipients for these awards in the class being admitted in September, 1967.

#### Dental By-Laws - St. Joseph's Hospital

The Dean of the Faculty was given the privilege of drafting a set of dental by-laws for St. Joseph's Hospital. On January 24 he met with the Committee appointed by the hospital and agreement was reached on a final version to go forward to the Ontario Hospital Services Commission. The dental by-laws were forwarded to the Commission with several other amendments bearing on other portions of the hospital's medical staff by-laws and although the by-laws were returned for some final refinements none of the suggested amendments is applicable to the dental section. In due course, these by-laws will be returned for the approval of the Lieutenant-Governor in Council and there is more than reasonable confidence that the dental by-laws will be approved. These by-laws are entirely in keeping with the policies in respect of hospital by-laws as developed both by the Canadian Dental Association and the Royal College of Dental Surgeons of Ontario.

Acting on the provisions of the by-laws the hospital has appointed, effective July 1, 1967, Professor A. G. Parnell, Chairman of the Department of Oral Surgery, as Chief of the Department of Dentistry of the hospital.

#### Fluoridation

The Council of the Faculty of Dentistry took a very active part in encouraging the citizens of London to vote favourably for fluoridation at the December, 1966 referendum. Through the leadership provided by this Faculty both the Council of the Faculty of Medicine and the Council of the Faculty of Dentistry unanimously adopted the following resolution which was transmitted to the Medical Officer of Health who subsequently published this resolution in the local press:

"Whereas water fluoridation is the most important single public health measure available to combat tooth decay - an increasingly serious and costly health problem, and

Whereas there have been extensive nutritional, biochemical, pharmacological, physiological, and toxicological studies on fluoride furnishing a sound scientific basis for its public



health application, and

Whereas these and other studies reveal that fluoride in the recommended amount of one part fluoride to one million parts of water is safe from any ill effect and is effective in reducing tooth decay by approximately two-thirds,

Therefore be it resolved . . . . .

That the Council of the Faculty of Dentistry (Medicine) of The University of Western Ontario endorses fluoridation as a safe, beneficial, scientifically-sound public health procedure and recommends that communities having a public water supply adopt a procedure for adjusting the fluoride content of their water supply to a level considered optimal for the maximum prevention of tooth decay."

In addition, a public statement endorsing fluoridation and encouraging the community to act favourably on it was issued and was signed by the Vice-President (Health Sciences), the Deans of Graduate Studies, Medicine, Nursing, and Dentistry, and Heads of all departments in the Faculty of Medicine and in the Faculty of Dentistry. There is no question but that these activities were a very strong influencing factor in reversing an earlier negative reaction on the part of the citizens of London. Fluoridation is expected to commence in this city on September 1, 1967.

### Course in Dental Hygiene

In September, 1966, Council established a small committee to consider the projected program in dental hygiene vis-a-vis the College of Applied Arts and Technology. Fanshawe College has been established in London and an Advisory Committee for courses in respect of health and welfare related disciplines has been created. The committee appointed by Council consists of Dr. R. E. Jordan, Dr. D. S. Moore, Dr. H. B. Stewart, and Dr. Ted Wachna. The committee met in November, 1966, and, as a result of its deliberations, expressed the view that dental hygiene in Canada is a programme indigenous to the university and as effective dental hygiene education and training must be performed in an atmosphere in which the team approach to dental care is made possible felt that it would be retrogressive to establish the programme in a College of Applied Arts and Technology.

The Ontario Council of Health which has been established as the Senior Advisory Committee to the Minister of Health has created

a committee on the Education of the Health Disciplines. Its major term of reference is to advise on the location and general arrangements for education and training in the health disciplines. Before a programme in dental hygiene could be mounted at The University of Western Ontario it would be necessary to receive the agreement, in principle, of the Senate of the university and then receive the approval of the Senior Co-ordinating Committee, a committee consisting of the Deputy Minister of Health as its Chairman, the Deputy Minister of the Department of University Affairs, and the Chairman of the Ontario Hospital Services Commission.

If it is not possible to establish a diploma level programme in The University of Western Ontario then only three alternatives appear to be open. One, of course, is to do nothing at all. Another is to recommend the establishment of a degree level programme in dental hygiene, and the third is to establish a relationship with Fanshawe College to mount the didactic portions of the programme in that institution while providing the clinical training within the Faculty of Dentistry.

To do nothing seems entirely out of the question. To establish a degree level programme with the present highly restrictive regulations bearing on the services which dental hygienists can perform seems unrealistic. A CAAT's centered programme is not without considerable problems not the least of which is the hygienists' expressed opposition to such a development.

Again, because the education and licensing of dental hygienists are, for all practical purposes, inseparable it has been recommended that the RCDS Board, without delay, engage itself in a study of all matters bearing on the education and licensing of dental hygienists to the end that the best possible programme can be developed.

#### Special NRC Summer Research Assistantships

The National Research Council, through its Associate Committee on Dental Research, makes available to each dental school in Canada two special NRC Summer Research Assistantships. These were awarded to Miss Marilyn Morgan and Mr. David Kenny, both of whom completed their first year with first-class honours. Miss Morgan will spend the summer of 1967 in the Department of Physiology and Mr. Kenny in the Department of Pathology.

### Research Proposal - Kellogg Company

On March 28, 1967, J. H. Hopper, Ph. D., Director of Nutrition of the Kellogg Company of Battle Creek, Michigan, met with Professor J. A. F. Stevenson, Dr. P. G. Dellow, and the Dean to propose that this Faculty consider undertaking a research study to confirm results of a dental study already in progress with Kellogg experimental products in the States. The study would bear on the possible effectiveness of phosphate additives to cereals in the reduction of dental caries. A non-fluoridated area is required and one in which some 600-800 children could be regularly examined. Regretfully, under the relatively difficult circumstances in which this study would have to be conducted and in view of the many other activities in respect of the development of this Faculty with which new members of staff would be pre-occupied Council found it difficult to be enthusiastic over the proposal. It was agreed, therefore, that at this time the proposal is not a practical one for this Faculty but that some time in the future the Faculty would be interested in participating in this kind of activity.

### University Television Council

During the past academic year the Dean of the Faculty of Dentistry has had the privilege of acting as Chairman of a university-wide Ad Hoc Committee on University Television established by the Advisory Committee to the Board of Governors. Essentially, the committee was directed to seek an answer to the question: "Is a Television Centre for The University of Western Ontario feasible and, if so, is it desirable?" After several months of relatively intensive study and discussion a report was prepared which emphatically provided affirmative answers to both parts of this question. Subsequently, a University Television Council has been created, on which the Faculty of Dentistry is represented, and it is confidently expected that a Director of Television Services will be appointed and, in due course, his recommendations will bring forth The University of Western Ontario Television Centre. With such a Centre the Faculty of Dentistry, which has made extensive plans for the employment of Closed Circuit Television, will have available highly competent production and technological assistance.

### Appointments

Although all members of the six Basic Science Departments hold joint appointments in the Faculty of Medicine and the Faculty of Dentistry and all new appointments, therefore, are new appointments to each Faculty, only the "dental" appointments are herein reported, the others appearing in the report of the Faculty of Medicine. Effective

July 1, 1967, the following full-time appointments are pleasurablely reported:

1. Kenneth M. Baird, O. B. E. , D. D. S. , F. I. C. D. ,  
Director of Clinics;
2. Wilfrid H. Feasby, D. D. S. , F. R. C. D. (C),  
Professor and Chairman of the Department of Paediatric  
Dentistry;
3. Leonard N. Johnson, M. S. , Ph. D. , Associate Pro-  
fessor of Dental Materials Science;
4. Anthony G. Parnell, L. D. S. , R. C. S. , F. D. S. , R. C. S. ,  
Professor and Chairman, Department of Oral Surgery;
5. James E. Ryan, D. D. S. , M. S. D. , Associate Professor  
of Removable Prosthodontics;
6. Douglas W. Stoneman, D. D. S. , Associate Professor of  
Dental Radiology;
7. Walter R. Teteruck, D. D. S. , M. S. D. , Associate Pro-  
fessor of Fixed Prosthodontics.

#### Faculty Elected to CDA Committees

Professor D. S. Moore, Professor R. E. Jordan, and the Dean of the Faculty are privileged to serve on Canadian Dental Association Councils. Drs. Moore and Jordan serve on the Council on Research and the Dean is Chairman of the Council on Education.

#### Committee on the Healing Arts

In company with the other Faculty of Dentistry and the Faculties of Medicine and the Schools of Nursing in Ontario this Faculty received a comprehensive questionnaire which it completed for the use of the Committee on the Healing Arts. The Faculty did not make an independent presentation to the committee feeling that its views were adequately encompassed in the presentations developed by the Royal College of Dental Surgeons of Ontario and The Ontario Dental Association.

### Association of Canadian Faculties of Dentistry

On January 17, 1967 the Council approved, in principle, the creation of an Association of Canadian Faculties of Dentistry. In due course, Professor R. E. Jordan was elected as the Faculty's representative to this Association. On Wednesday, March 22 the constitution of the ACFD was ratified when representatives of the Canadian schools met together during their attendance at the Annual Meeting of the American Association of Dental Schools in Washington, D.C. The first officers elected were:

President	-	Dr. J. W. Neilson, Manitoba
Vice-President	-	Dr. G. Parfitt, UBC
Secretary-Treasurer	-	Dr. A. T. Storey, Toronto
Executive Member	-	Dr. Jean-Paul Lussier, Montreal
Executive Member	-	Dr. Wesley J. Dunn, UWO

### Canadian Association for the Advancement of the Health Sciences

During the past year the Canadian Association for the Advancement of the Health Sciences has been developed. A national steering committee was formed and the profession of dentistry was represented by Dean-Designate K. J. Paynter of the College of Dentistry, University of Saskatchewan. A general meeting was held in Ottawa on January 19, 1967 at which local chapters of the Universities of Canada were represented. A University of Western Ontario Chapter has been formed under the chairmanship of Dr. Earl Plunkett and the Dean of the Faculty of Dentistry is a member of the Executive of this Chapter.

### Dr. G. Edward Hall Retires

It is with considerable regret that this report records the retirement of Dr. G. Edward Hall from the offices of President and Vice-Chancellor of this university. Dr. Hall served Western with distinction over a period of twenty-two years and has been, since 1947, one of the driving forces for the establishment of a Faculty of Dentistry at Western. Since January 1, 1965, the official date for the creation of the Faculty of Dentistry, Dr. Hall enthusiastically supported and gave full co-operation to this Faculty in its efforts to become a full member of the university community. Our retired President has been a great friend to dentistry and this Faculty will miss his wise and judicious counsel very much.

President, Dr. D. Carlton Williams

It is with pleasure that the Faculty of Dentistry welcomes Dr. D. Carlton Williams, former Vice-President of the University of Toronto for Erindale and Scarborough Colleges, as President and Vice-Chancellor of The University of Western Ontario. Dr. Williams is an educator of broad experience and catholic interests and will be a most worthy successor to Dr. G. Edward Hall.

Professors J. W. & G. ...

1950

A. Address

The Faculty of Dentistry ... Dr. Williams ...

In the course of the ...

B. G. ...

B. H. ...

B. J. ...

B. K. ...

Professors ...

# FACULTY OF LAW

## Report of the Dean

Professor A. W. R. Carrothers

### 1. Faculty

#### A. Appointments

The Faculty of Law opened the 1966-67 term with a full time Faculty of ten: Professor K. A. Hinnegan was granted leave of absence, and Mr. R. H. Miller, B.A., LL.B. (Melbourne), LL.M. (California, Berkeley) was appointed as Assistant Professor for a one year term. In addition, Mr. W. A. Jenkins, B.A., LL.B. (Western), of the Ontario Bar, joined the Faculty as Sessional Lecturer in Commercial Law.

In the course of the 1966-67 year appointments for the following term were completed:

R. G. Atkey, B.A., LL.B. (Western), LL.M. (Yale),  
Assistant Professor

M. H. Gropper, B.A., LL.B. (Saskatchewan), LL.M.  
(London), Assistant Professor

R. S. Mackay, Q.C., B.A. (Toronto), LL.M. (Columbia),  
of the Ontario Bar, Professor

E. F. Ryan, A.B. (U.C.L.A.), LL.B. (U.B.C.), LL.M.  
(Stanford), Assistant Professor.

Professor Mackay first joined this Faculty in 1959, and resigned in 1964 to take an appointment with the newly formed Ontario Royal Commission on Civil Rights; his return to the Faculty is warmly welcomed.

B. Publications

(See Appendix B).

C. Research in Progress

- Adler, G.M.,                      Content Analysis of Ontario Municipal Board Decisions.
- Application of Data Retrieval Techniques to Land Use Planning Decisions.
- Local Planning Board Decision-making.
- Brandt, G. J.,                      Bias in Administrative and Judicial Hearings.
- Glasbeek, H. J.,                    The Illusory Right to Remain Silent in the Commonwealth (with D. D. Prentice).
- Hartley, T. C.,                      Article on Polygamy for Modern Law Review.    Article for Buffalo Law Review
- Palmer, E. E.,                      Article on International Unification of Law for American Journal of Comparative Law.
- Study on responsible decision making in democratic trade unions for the Prime Minister's Task Force on Labour Relations.
- With Prentice, D.D., casebook on company law (Butterworths, publishers).
- Payne, J. D.,                      Research consultant on the law of domestic relations to the Ontario Law Reform Commission.
- Prentice, D. D.,                    The Illusory Right to Remain Silent in the Commonwealth (with H. J. Glasbeek)
- Casebook on company law (with E. E. Palmer, Butterworths, publishers)
- Critique of the Lawrence Committee Report on Company Law.



D. Public, Professional and Community Service and Activity

Adler, G. M., Secretary, Congregation Beth Tefilah

Brandt, G. J., Address to Institute of Corporate Secretaries on "Constitutional Problems in Company Law".

Paper for Association of Canadian Law Teachers on the teaching of an introductory course in law.

Carrothers, A. W. R., Member, Prime Minister's Task Force on Labour Relations.

Study on Collective Bargaining Statutes for the Canadian Inquiry on Construction Labour Relations.

Participant in conference on Law and Industrial Relations sponsored by the University of Toronto and the Osgoode Hall Law School.

Hartley, T. C., Editor, Conflict of Laws section, new cumulative edition of Canadian Abridgment.

Palmer, E. E., Participant in conference on Law and Industrial Relations sponsored by the University of Toronto and the Osgoode Hall Law School.

Consultant, Select Committee on Company Law, Government of Ontario (Lawrence Committee).

Conciliation and arbitration board chairman, Government of Ontario and private industry.

Vice-President (Planning), United Community Services of London.

Payne, J. D.,

Working papers prepared for the Ontario Law Reform Commission on "Procedure in Matrimonial Causes with Special Reference to Divorce Proceedings" (pp. 54), "Marriage Guidance and Conciliation Services in England" (pp. 32) and "A Study of the Matrimonial Causes Act (Australia) 1959 and the Matrimonial Proceedings Act (New Zealand) 1963" (pp. 61).

Brief to the Committee on the Age of Majority (U. K.) on "Contractual Capacity of Infants" (pp. 19).

Brief to the Special Joint Committee of Senate and House of Commons on Divorce (Canada) on "Marriage and Divorce" (pp. 121).

Panelist on: "Divorce Law Reform", Canadian Bar Association Annual Meeting 1966; "Negotiation of Separation Agreements", Canadian Bar Association Ontario Branch; "Automobile Insurance", meeting sponsored by Canadian Association of Consumers, London, Ontario; "Status of Women", Council of Jewish Women, London Branch; "Divorce Reform", annual meeting Association of Canadian Law Teachers, 1967.

Address on "The Law and the Doctor" to students in the Faculty of Medicine, University of Western Ontario.

Director, Consumers' Debt Counselling Service, London, Ontario.

Rendall, J. A.,

Editor of title on "Insurance", second edition, Canadian Encyclopedic Digest.

## II. Students

### A. Registration and other Statistics

The table on the next page records statistics relating to students registered in the Faculty of Law by class and year.

In the course of dealing with applications for the academic year 1966-67, the Admissions Committee found a marked increase in the number and quality of applicants. Of the 311 candidates, the Committee accepted 159. Seventy registered for classes. The low proportion of applicants registering may have been caused by a comparatively soft labour market in the summer of 1966.

In the spring of 1967, the Committee was faced with a dramatic increase in the number and quality of applicants.

### B. Western Ontario Law Review

Volume 6 of the Western Law Review was published by the students of the Faculty of Law in the course of the academic year. The editorial Board was as follows:

Editor: W. D. Jenkins

Associate Editors: D. S. Peet  
G. C. Carruthers  
R. J. Israel  
Perry Smith

Business Manager: R. W. Stanley

Advertising Manager: J. N. Buchanan

Assistant Advertising Managers: N. A. Peel  
Ted McGrath

Faculty Adviser: Prof. T. C. Hartley

The volume, of 208 pages, contains seven articles, five case comments and a book review from authors in England, the United States and Canada. The Faculty Prize for the best student article was awarded to Mr. L. A. Wright for his article on "Trusts and the Civil Law".

STUDENT STATISTICS U. W. O. LAW SCHOOL BY CLASS AND YEAR

Academic Year	I			II			III				
	Reg'd	With Degree	Qualified at UWO	From W. Ont. Area	Age 25 or Under	Age Over 25	Married	Sat for Exams	Reg'd	Hons. & Dean's List	Other Graduates
1959-60	36	31	26	28	25	11	11	33			
1960-61	51	42	39	37	44	7	7	45	23		
1961-62	40	26	30	30	31	9	7	38	35	21	15
1962-63	54	34	31	36	44	10	10	49	37	34	21
1963-64	74	55	53	50	65	9	13	68	36	33	23
1964-65	57	45	42	30	50	7	11	50	50	34	27
1965-66	84	67	67	34	75	9	9	76	47	49	34
1966-67	71	54	48	12	66	3	9	67	74	47	36

### C. Moot Courts

The student voluntary moot court programme was directed by T. J. Melnick. The programme culminates in the Grand Moot competition. Participants in this competition were R. N. Clarke, J. C. Kent, K. A. Swanson, and A. R. Szalkai. Messrs. Clarke and Kent were the winners. The president of the court was Judge R. J. Cudney of the County of Middlesex.

The Ontario Law Students Association Moot Court Competition was held at The University of Western Ontario in February, 1967. The bench consisted of Mr. Justice Spence of the Supreme Court of Canada, Judge W. E. Colter of the County of Middlesex, and S. E. Weir, Esq., Q. C., of the City of London and Life Bencher of the Law Society of Upper Canada. The Western team of R. N. Clarke and J. C. Kent won this inter-law school competition as well.

### D. Advocacy Programme

A Mock Court competition was instituted: The Moot Court relates to appellate argument, the Mock Court relates to trial practice. This programme was under the direction of R. N. Clarke, and involved the voluntary services of some dozen members of the Middlesex Bar Association. Competitors in the final Mock Court were D. R. Roy, C. M. Loopstra, R. F. Worboy, and D. Windischmann. The winners were D. R. Roy and D. Windischmann.

A provincial Mock Court Competition was held at the same time as the Ontario Law Students Association Moot Court Competition. The judge was J. D. R. Walker, Esq., of London, Ontario. The prize for the best individual advocate was taken by D. Windischmann.

### E. Law Forum

The Law Forum was instituted by a committee of students from the three years in the Faculty. The purpose was to expose the law student to a field of study that was indirectly related to the study and practice of law. The first Forum, on "The Lawyer and Investment", was held on January 26, 1967. The participants were Dr. S. G. Peitchinis, Associate Professor of Economics, The University of Western Ontario; E. D. L. Miller, Canada Trust Company; M. C. Pryce, Canadian Institute of Actuaries; J. V. Rogers, Nesbitt, Thomson & Company, London Branch; and P. S. Deacon, Editor of the Financial Post.

## F. Other Legal Society Activities

The students instituted a course-faculty evaluation programme, which was of particular value in giving impetus to student-teacher discussions on teaching methods, course content and aims of legal education. The students started a weekly newsletter, "Res Ipsa Loquitur".

The Legal Society Student Placement Service was of great benefit to third year students in helping to arrange to enter into articles with law firms across Canada.

## III. Library

During the year the library added 6,742 volumes to its holdings. This continues the substantial increase in accretions to holdings which began the previous year. The present number of volumes in the library is 31,104, consisting of 19,677 volumes of law reports, 5,664 law journals and 5,763 treatises. The most significant additions to the library occurred in the area of United States statutory and early State Reports, Indian law reports and general holdings in treatises.

## IV. Special Lectures

The following programme of Special Lectures was presented in the Faculty of Law during the academic year 1966-67:

November 15, 1966, Dr. H. A. B. Leal, Q. C., Chairman of the Ontario Law Reform Commission, on "Law Reform".

December 2, 1966, Professor Norval Morris, Director of the Centre for Studies in Criminal Justice at the University of Chicago, on "Criminal Law and Criminology".

February 17, 1967, The Honourable Paul Martin, Minister of External Affairs, on "Canada's Role in the Security Council".

February 21, 1967, Professor Desmond Morton, of the Osgoode Hall Law School, on "Legal Engineering".

March 30, 1967, Professor Henry H. Foster, Jr., of the New York University School of Law, on "Reform of the Law of Divorce".

Professor Sheldon Tefft, of the University of Chicago Law School, visited the Faculty of Law of The University of Western Ontario during the week of March 12 to 19 and presented a series of lectures to the first and second year students on Real Property and Mortgages respectively.

#### V. Building

In the course of the winter plans were developed for an extension to the Faculty of Law Building to accommodate an enrollment of 350 to 400 students and a full-time Faculty of 26. The new facilities, scheduled for completion by September, 1968, will accommodate 150,000 books and will give assigned library seating to 100% of third year students and unassigned seating to 70% of first and second year students. The extension includes additional classroom, common room and lounge areas, student activities offices, and additional administrative facilities.

#### VI. Curriculum

The curriculum continues to grow along the lines of the programme developed in 1964 and approved by the Senate in January, 1965. The number of optional courses and seminars in the second and third years continues to increase as additional appointments are made to the Faculty. A re-examination of the curriculum in depth is planned for 1967-68.

# FACULTY OF ENGINEERING SCIENCE

Report of the Dean

Professor R. M. Dillon

## A Statement of Goals

Twenty-six members of the Faculty attended a two day retreat at the Talisman Resort Hotel, beginning on the evening of Monday, June 5, 1967. Generally speaking, the event was adjudged successful, for it provided a fine opportunity for getting to know one another, and the discussions gave rise to a number of projects designed to raise standards and improve administrative procedures. There was general agreement on a statement of goals.

As a professional school, we seek to educate our students, instilling in them knowledge and attitudes enabling them to become competent professional engineers and leaders in society. To accomplish this our graduates must possess technical skills and those qualities necessary to truly understand the society they seek to serve. And finally, if their personal contributions are to be significant, they must be imbued with a will to excel.

We must seek to expand the general body of engineering knowledge related not only to research but to the practice of engineering.

We aim to achieve a standard of excellence in carrying out our role as engineering teachers and investigators.

We agree generally with the objectives as stated in The American Society of Engineering Education Goals of Engineering Education, which may be summarized as follows:

To prepare the student to practice in a world of accelerating change.

To assist the student to recognize the needs of man in this changing environment.



To cultivate in the student the self-discipline necessary for continued education.

To train the student in the application of the engineering method. By engineering method we mean analysis followed by creative synthesis.

We should be especially conscious of the importance of the students' needs and the students' morale in shaping our faculty organization and building our academic programmes.

We recognize the vitally important place research has in the faculty, but we consider this importance stems from the fact that it is a necessary adjunct to the teaching of engineers. We consider also that consulting or the practice of engineering plays a similar role vis-a-vis the teaching of engineers.

## CURRICULUM DEVELOPMENT

### Core Studies Group

An important recommendation arising from the deliberations at Talisman calls for the creation of a core studies group which shall co-ordinate the first and second years of the undergraduate programme. The group should comprise those members of the Faculty who teach or counsel first and second year students. Assuming the proposal receives the approval of the Faculty of Engineering Science it is planned to seek Senate approval, thus making it possible for the Core Studies Group to effect better co-operation with the Faculty of Arts and Science.

### Master of Engineering Programme - Environmental Engineering

The proposal for the Master of Engineering degree drafted in May, 1966 was presented to the Faculty of Graduate Studies on January 31, 1967 and was approved by Senate March 3, 1967.

The first Master of Engineering programme to be approved is the Environmental Engineering Programme in Air and Water Pollution Control and Abatement. This programme is to be supported by a grant from the Ontario Department of Health under the aegis of the Air Pollution Act.

Enrollment for September, 1967 is limited to a maximum of 12 students. The programme as approved by Faculty Council on September 19, 1967 is as follows:

ES 561	Air Pollution	Prof. I.I. Inculet
ES 562	Water Pollution	Prof. J.E. Zajic
ES 563	Industrial Processes	Prof. W. Bulani
ES 564	Environmental Biology	Prof. D.A. McLarty Prof. J. Robinson
ES 565	Legal and Administrative Control of Pollution	Prof. G.M. Adler
Pol. Sc. 521	Planning and Financing of Urban and Regional Development	Prof. E.A. Beecroft
Geog. 535	Resource Management	Prof. H.A. Hossé
ES 566	Medical Effects	Prof. N.M. Lefcoe
Physics 722	Micrometeorology	Prof. D.R. Hay
ES 567	Seminar	E.S. & Geog. Staff
ES 568	Environmental Lab	E.S. Staff
ES 500	Project and Report	Prof. J.E. Zajic

### Computer Facility

The first year of operation for the teaching computer proved highly successful. The IBM 1130 was delivered in November, 1966, seven months earlier than planned. A line printer has been ordered for delivery in September, 1967.

### Biochemical Process Studies

During the past year a number of significant steps have been taken in the establishment of a programme of research and graduate studies in Biochemical Engineering.

Dr. James E. Zajic, an industrial microbiologist has been appointed to the Chemical Engineering Group as Associate Professor. Professor Zajic has already accomplished much by way of curriculum development, the organization of teaching and research labs, industrial liaison, the initiation of research proposals, and the recruitment of graduate students.

Dr. F. C. Webb, Professor of Biochemical Engineering, University College, London England was a visiting professor for the winter term 1966-67. While at Western Dr. Webb, an internationally renowned authority, initiated both undergraduate and graduate courses in biochemical engineering, and provided invaluable guidance in the planning of our research and graduate studies program in biochemical engineering. He also laid the groundwork for future collaboration between Western and his Department in the University of London.

In January, 1967, a second conference in Biochemical Engineering was held in the Conference Room at John Labatt Limited, London. Approximately 30 representatives from government, industry and The University of Western Ontario attended. Current plans were submitted to a critical examination which has proved most helpful in evaluating our present position.

## RESEARCH IN ENGINEERING 1966-67

### Chemical Engineering Research

Dr. P. Zaloudik reports progress in his research into age distribution of fluids in continuously-stirred chemical reactors. For the first time, parameters were correlated with fluid, reactor, and mixer characteristics through ranges commonly found in industry. A significant influence of age distribution on conversion in a reactor with viscous fluid and low fractional conversion was shown.

Research being conducted by Dr. J. M. Beeckmans deals with the study of particulates, particularly in relation to air and water-pollution studies. The work dealing with the effect of high intensity sound on the efficiency of aerosol filters is supported by a grant from the Ontario Department of Health. Studies are being conducted under N.R.C. auspices on the recycling of incinerator ash in a sewage treatment plant, and on the production of activated carbon from sewage sludge. Another N.R.C. sponsored project is related to the clogging and penetration of beds of spheres by a slurry of spheres.

Dr. K. A. Shelstad's research activities are centered on the use of surface active solids in the development of catalytic processes. One investigation concerns the use of adsorbents for separating liquid mixtures and has resulted in a process innovation for separating azeotropic liquid mixtures. Other studies relate to the use of catalysts for increasing the yield and selectivity of gaseous reactions. These include such fundamental studies as the structure of species adsorbed on the surface of a catalyst as revealed by infrared absorption spectroscopy, the kinetics and mechanism by which nitriles can be formed from hydrocarbons such as propylene, to a more applied investigation of the use of catalysts for the combustion of air pollutants such as aromatic hydrocarbons and organic-sulfur compounds.

A great deal of effort has been put into our graduate research programme in Biochemical Engineering. Although the research activity has increased to an encouraging degree it will come into full bloom in September, 1967 with the arrival of three additional graduate students bringing the total to five. Research topics for these new students are still open; some areas now being considered are as follows:

- 1) Conversion of methane to polysaccharide
- 2) Microbial degradation of kerogen
- 3) Effect of viscosity, surfactants on the synthesis of proteolytic enzymes
- 4) Continuous fermentation of beer
- 5) Biosynthesis of flavouring components of foods and beverages
- 6) Oxygen transfer in highly viscous fermentation media
- 7) Methionine synthesis
- 8) Biosynthesis of polysaccharides with high flocculant activity

### Civil Engineering Research

The Boundary Layer Wind Tunnel Laboratory, directed by Professor A. G. Davenport, completed its first year of operation in November, 1966. During the year, up to July, 1967, its research potential has been well exploited. Two undergraduate fourth year projects, dealing with pressures on structural forms, were successfully completed. Two graduate students used the wind tunnel for these investigations. The tunnel was also used for graduate research in smoke diffusion by the University of Waterloo. Two Faculty members Professors B. J. Vickery and J. W. Stewart, as well as the Director, used the wind tunnel in research directed towards the general research objectives of the wind tunnel. In addition, research was carried out by the staff of the wind tunnel. A considerable part of this effort was directed towards the development of approaches for introducing a better and more complete description of wind loading on tall structures. As part of this approach, three very tall buildings were studied: A 56 story building for the First Seattle National Bank Building; a 70 story building for the U. S. Steel Company in Pittsburgh; and a 35 story building for the hospital at Herlev in Copenhagen, Denmark. These studies probably represent a significant turning point in the development of more exact approaches to the design of tall buildings.

Other studies have been made to prove the modelling approaches used in the wind tunnel. In co-operation with the Division of Building Research of the National Research Council, comparative experiments on full scale and model were carried out on a 35 story building in Montreal. Another comparative study of full scale and model is being carried out with the support of the U. S. National Aeronautics and Space Administration (NASA) on the Jupiter space vehicle.

A wind tunnel investigation into the dispersion of sprays in the boundary layer is being carried out by a graduate student under the supervision of Professors Stewart and Vickery. Another graduate

student project was begun under Professor Vickery to study the relationship between pressure fluctuations on a bluff body and the velocity fluctuations in the turbulent stream in which the body is situated. Professor Vickery is also studying the behaviour of viscous-damped elasto-plastic structures, under the action of random loads due to wind.

A post doctorate fellow, Dr. Itio Hirai, from Kumamoto University, has carried out an investigation into the behaviour of suspension bridges.

Professor Davenport has been continuing collaboration with Dr. W. G. Milne of the Dominion Observatory on the earthquake regionalization of Canada. This should be of considerable benefit in the formulation of structural design requirements.

Research support in the form of grants have exceeded \$100,000. These funds have allowed the equipment of the wind tunnel laboratory to be built up to a full level. The laboratory has a full time staff of research engineers (Mr. N. Isyumov), a research officer (Mr. J. Field), two technicians, and a secretary. An opportunity to work in the wind tunnel laboratory has been given to a number of summer students. During the summer of 1967, six summer students were employed as assistants: two from the Faculty of Engineering Science, two registered in the Science faculty, one from Cambridge University, and one from Université Laval.

Research interests of Professor Quigley cover the fields of physicochemistry, mineralogy and fabric of soil with special emphasis on application to engineering problems. In addition to N.R.C. supported projects, Professor Quigley carried out research projects supported by funds from H. G. Acres and Company Ltd.; Geocon Ltd., Montreal; H. Q. Golder and Assoc. Ltd., Toronto; Golder, Brawner, and Assoc. Ltd., Vancouver; and the British Columbia Department of Highways.

Professor Soderman's present research involves the application of soil parameters determined by laboratory and field testing to practical design problems such as the settlement and bearing capacity of structures.

Professor Peacock is in the process of acquiring equipment to continue with studies of the cyclic loading behaviour of soils as applied to earthquake loading of structures commenced at Berkley.

During the academic term 1966-67, the soils section graduated five M. E. Sc. 's in Soil Mechanics.

## Research in Electrical Engineering

Three projects are reported by Professor I. I. Inculet. One of these involves a study of surface and electrostatic properties of particulate matter as they affect air pollution control methods. Particulate matter ranging from 0.15 to 6.0 microns in the form of closely controlled aerosols have been used in the development of new types of electrostatic precipitators for hospital and special industrial use. Patents are being applied for. The N. R. C. is supporting a second project on static electrification in high vacuums. A new relationship between electrostatic charging and work function has been established. The results of a related research project carried out simultaneously by Dr. D. K. Davies in England are in excellent agreement with the findings at U. W. O. The third project involves preliminary studies supported by university funds to develop a practical electrostatic system for fog dispersal. Results to date are encouraging enough to warrant a request for support from a government agency.

Members of the Electrical Group intend to support Western's bid to establish a Centre of Radio Sciences. This centre of excellence, although centred in the Department of Physics will require an engineering element which has already begun to function. Mr. E. Hanff, a graduate student, has been working under the supervision of Professor G. F. Chess to develop a magnetic tape data handling system which may be used to accurately record and reproduce phase information from radio frequency signals received simultaneously at several ground stations from an orbiting satellite or a ground fired rocket. This information is used to study the structure of the ionosphere. In addition, a second member of the Group, Professor T. Bonnema, will become active with the Centre within the next year.

## Materials Science

Good progress was made during the year in equipping the laboratories for this group. Important acquisitions included an A. E. I. EM6G Electron Microscope toward the cost of which the International Nickel Company of Canada Limited, contributed \$10,000; an Instron Table Model Mechanical Tester; a 15 KW Toccotron High-frequency Furnace, paid for by the J. P. Bickell Foundation; and a small Rolling Mill paid for by the Quebec-Cartier Mining Company. This equipment is all of very wide applicability and can contribute to the progress of many investigations.

A thorough study has been undertaken of the possibility and wisdom of concentrating research within one or two defined areas such as dependence of mechanical properties upon structure, oxidation and corrosion, polymers, concrete, or materials applied in dentistry and

surgery. The mechanical property work is almost certain to remain an important part of our efforts. Although we shall always have this question in mind we have come to definite conclusions for the present. The question is now whether we can find and recruit specialists in the selected area.

A study of the uranium-silicon system for the Atomic Energy of Canada Limited in collaboration with Professor I. Duerden has been completed. Further work on their behalf is being considered. The electron microscope is being used to study the earliest stages in the creep failure in metals. This work, in which Professor J. D. Brown collaborates, is on behalf of the National Research Council.

A model relating the stress in the oxide film and the stress gradient to the oxygen concentration gradient was developed and tested by Professor Roy. The experimental data are showing the existence of very high stresses in the specimen during oxidation which is in agreement with the proposed mechanism for oxide formation in the initial stages of zirconium alloy oxidation.

A second study conducted by Dr. Roy, on deformation of the hydride phase in polycrystalline zirconium, indicated that the orientation of the hydride platelets relative to the matrix may strongly affect their plasticity. To elucidate this problem, a graduate student, J. G. Jacques, is investigating the plasticity of the hydride platelets in single crystals of zirconium as a function of their orientation, strain in the crystal and testing temperature.

Professor I. J. Duerden has completed his study of a proposed nuclear fuel,  $U^3Si$ . The rate at which this is formed when alloys are heat-treated and the influence of pressure on the transformation were determined. Professor Duerden has been consulted on a number of questions by organizations outside the University. Typical of this work during the year was the testing of a new building stone for the City of London's new Centennial Hall.

Professor J. S. Sheasby has in progress four investigations related to the high temperature oxidation of metals. He has obtained evidence that the unusual oxidation behaviour of niobium arises from the type of defect structure in niobium pentoxide, and he is studying this in more detail. Another important result established during the past year is that diffusion of oxygen in niobium pentoxide does not depend upon stoichiometry. The tandem accelerator at Chalk River was used for this study which gave the first known measurement of a diffusion coefficient in an oxide at a low oxygen potential.

Professor D. J. Brown has studied the structure of vacuum deposited thin metal films. The structures of such films vary with the mobility of atoms making up the films and the ability to nucleate. By combining the results of electron diffraction and electron microscopy, it has been shown that each grain in the film is a single crystal or a few interrelated crystals. Methods of measuring film thickness using X-ray spectrography have been developed which are accurate to better than 10 angstroms.

### Mechanical Engineering

Biomechanics research is being continued under Professor J. E. K. Foreman's direction in conjunction with the Department of Biophysics. Dr. K. J. Hutchison, on leave from the Department of Physiology, Queens University, Belfast, joined Professor Foreman's group supported by an M.R.C. Fellowship. Research in arterial flow and dilatation, using mechanical models and excised arteries, is being extended by in-vivo studies in the dog.

Dr. E. S. Nowak completed his research contract with the Power Projects Division of A. E. C. L. Data on the heat capacity of heavy water accurate to 1% was compiled using a special non-flow calorimeter designed by Professor Nowak and fabricated by the Engineering Science Shop. This research has supported four graduate students and provided material for four undergraduate projects.

Research was initiated by Professor Foreman into stress concentration factors and notch sensitivity of magnesium alloys. The project involves an analysis of three-dimensional photoelastic models by stress freezing techniques to elicit the correlation between stress concentration factors in two and three dimensional models, and subsequent fatigue testing and documentation of fatigue stress concentration factors and notch sensitivity for magnesium alloys of various geometric configuration. The project was supported by the Faculty of Engineering Science.

Professor R. K. Swartman's research activities include directing the M.E.Sc. research of Mr. Ron Alward who is developing an absorption refrigeration system to utilize solar energy and directing a summer student, Mr. Trinh Hieu Duc, who is working on the development of a liquid-metal MHD generator.



## Engineering Science Colloquia

The faculty sponsored a series of eleven colloquia which were arranged by Professor G. A. Geach and held at 1:30 p.m. on alternate Tuesdays between October 11 and March 21. These were well attended by members of Faculty and graduate students as well as by people from other Faculties and from outside the University. Average attendance was 53. The following is a list of speakers with their subjects:

- Dr. R. Jordan, Faculty of Dentistry, U.W.O., "Teeth",  
 Dr. J. Weertman, Northwestern University, "Present Understanding of the Conditions at the Bottom of Large Ice Sheets",  
 Dr. M. S. Yuhasz, Physical and Health Education, U.W.O., "Movement",  
 Mr. M. G. McLellan, Corning Glass Works, "Half a Century of Glass",  
 Dr. G. A. Geach, Faculty of Engineering Science, U.W.O., "John Dalton",  
 Mr. R. F. Pearce, Sherritt Gordon Mines, "Making Money",  
 Dr. P. A. Forsyth, Physics Department, U.W.O., "Canada's Space Program",  
 Dr. R. J. Uffen, Defence Research Board, "Paleomagnetism, Cosmic Rays and Evolution",  
 Dr. E. S. Nowak, Faculty of Engineering Science, U.W.O., "Experimental Investigations on the Calorimetric Properties of Heavy Water",  
 Professor M. P. Poucher, Faculty of Engineering Science, U.W.O., "How Engineers Tune in the Past and Turn on the Future",  
 Dr. F. A. Forward, Science Secretariat of the Privy Council, "The Canadian Organization for Science".

## PLANS FOR DEVELOPMENT

### Bioengineering Building

In December, 1966 application was made to the Department of University Affairs for a 10,000 square feet temporary building to house the Environmental Engineering programme and to provide additional space for Biochemical Engineering laboratories and graduate student accommodation. The facility is being constructed to adjoin to the Wind Tunnel. Completion is scheduled for mid-September, 1967.

## Permanent Addition to the Engineering Science Building

After months of preliminary planning a permanent extension for Engineering Science was finally approved by the Department of University Affairs. A major addition to include 93,000 square feet of assignable space will provide badly needed facilities for research and graduate studies and for expanding undergraduate work. The new facilities should be ready for occupancy during the winter of 1969-70.

Professor G. F. Chess has been appointed co-ordinator for the building project.

## Forecast of Enrollment and Staff Requirements

The Sixth Annual Report described a study of future enrollment. The following table shows a new five year forecast which has been modified in the light of recent experience. The rate of build-up of undergraduate enrollment has been somewhat reduced but the maximum of 450 has been maintained. For the first time graduate enrollment has been classified according to degree.

Academic Year							
Beginning	67*	68	69	70	71	72	77
Undergrad. Enrol.	297	325	350	375	400	425	450
Grad. Enrol.							
M. Eng.	10	30	50	65	80	90	125
M. E. Sc.	36	40	35	35	35	35	65
Ph. D.	20	25	30	35	35	40	60
Total	<u>66</u>	<u>95</u>	<u>115</u>	<u>135</u>	<u>150</u>	<u>165</u>	<u>250</u>
Fellows	5	7	8	10	12	12	16
Academic Staff	36	44	46	50	55	60	75
Tech. Staff	21	27	33	38	42	45	55
Clerical Adm.	13	18	22	26	30	35	40

\* Actual

## STUDENT AFFAIRS

### Undergraduate Engineering Society

The Annual Christmas Party was held on December 19, 1966

at the London Labour Hall. For the first time the Plumbers went formal; the Engineers Ball held on February 3 at Wonderland Gardens was adjudged a most successful event. Three weeks later the UES-EIC Supper featured a most attractive speaker, a young lady from Shell Oil Public Relations who spoke on Expo 67.

The UES sponsored a course critique which included all but three Engineering Science courses. The scheme which was endorsed by Faculty Council was based on a system in use at Stanford University. Each faculty member was evaluated and was able to compare his "score" with a faculty profile.

An outstanding job was done by a devoted editorial staff under the direction of Mr. Geoffrey R. Anderson in publishing the first U.W.O. Engineering Journal. The quality of the Journal was of the highest order, setting a standard which will be most difficult to maintain.

#### Engineering Institute of Canada - U.W.O. Student Section

Professor J. E. K. Foreman reported enrollment of first year students down slightly from previous years.

On November 22, 1966, Mr. Bruce Aikenhead from the Vehicle Guidance and Control Section of McGill University's Space Research Institute spoke to members of the Student's Section and APEO-EIC members in the Great Hall, Huron College. The topic was the controversial High Altitude Research Project HARP involving gun-launched sub-orbited probes. This event together with the UES-EIC Supper constituted the two major events sponsored by the Student's Section.

In addition five non-technical sessions were organized. The E.I. C. Student Section jointly sponsored a highly successful Student Technical Night with the E.I. C. London Branch and the London Chapter of the A.P.E.O. at the end of the second term. On this occasion, the four best fourth-year theses were delivered by students selected by the Faculty from each of the four groups of chemical, civil, electrical, and mechanical engineering, and an award of \$50.00 was donated by the E.I. C. London Branch to Mr. B. P. M. Sharples whose thesis was assessed by a panel of judges to be the best overall project, thesis and seminar.

Mr. F. J. Post, incoming Chairman of the E.I. C. Student Section for 1967-68, attended, at E.I. C. expense, the Annual General Meeting and Student Conference of the E.I. C. at Montreal, Quebec, May 27 to June 3, 1967.

Field Trips

Professor Chess, co-ordinator of student field trips reports the following field trips which were organized on a faculty basis.

Second Year: Steel Company of Canada, Hilton Works, Hamilton, November, 1966; General Steel Wares, London, December, 1966; Northern Electric Company, London, February, 1967.

Third Year: Canadian Westinghouse, London, November, 1966.

In addition a number of conferences and field trips were organized on a group basis.

Chemical Engineering Group: Chemical Institute of Canada Annual Conference, Windsor, October, 1966.

Civil Group: Department of Highways of Ontario, Toronto, December, 1966; Sixty-third Annual Convention of the American Concrete Institute, Toronto, April, 1967.

Mechanical Group: Babcock-Wilcox and Goldie-McCulloch, Galt, and Timberland-Ellicott Co., Woodstock, and A.S.M.E. Meeting, Kitchener, October, 1966; Shell Industries Refinery, Sarnia, November, 1966; Labatt's Brewery, London, December, 1966; S.A.E. Annual Congress and Exposition, Detroit, January, 1967.

Continuing Education

Professor R. K. Swartman was co-ordinator of Continuing Education. Working closely with the Department of Extension and the Guidance and Education Committee of the Joint APEO-EIC Executive, the Faculty offered the following non-credit evening courses:

Fall term	Recent Developments in Engineering	15 students
	Statistics	5
Winter term	Recent Developments in Engineering	13
	Matrix Algebra	8
	Electronics for non-Electricals	15
	Foundation Design	<u>27</u>
	Total Registrations	83

A two day Refresher Course in Mathematics for Engineers was held on June 16-17. Instructors were supplied by the Applied Mathematics Division of the Department of Mathematics.

A programme of six evening technical seminars was offered in the Engineering Science Building.

Professor E. S. Nowak. A Calorimetric Determination of Enthalpy of Heavy Water, November 8, 1966 - Attendance 18.

Mr. L. D. Macdougall. Fundamentals of Critical Path Scheduling, December 6, 1966 - Attendance 55

Professor A. G. Davenport. The Wind Tunnel - A Bridge Between Research and Design, January 10, 1967 - Attendance 45

Professor I. I. Inculet. Electrostatic Precipitation and Air Pollution Control, February 7, 1967 - Attendance 26

Mr. Fred Carroll, Northern Electric Co. Integrated Circuits, March 7, 1967 - Attendance 9

Mr. M. Smith, Canadian Westinghouse. Power Capacitors in Series and Shunt Applications, April 4, 1967 - Attendance 18.

### Buddy System

The "Buddy System" for freshmen engineers at Western was again organized with the assistance of the APEO-EIC Careers Information and Education Committee. Fifty-four engineers volunteered to act as buddies. Seventy-eight students were in the scheme; of the 78, 50 students were contacted by their buddies. Of the 50 contacted, 48 students felt the scheme was worthwhile. It is hoped to get greater participation on this scheme next year. Those directly involved with the system, particularly Professor Foreman, have plans already underway for next fall.

### Board of Governors Advisory Committee on Engineering Science

The Eighth Annual Meeting of the Engineering Science Advisory Committee was held on November 10, 1966 with the following members present: R. E. Chapman, G. M. McHenry, J. B. Cronyn, J. L. Orr, J. R. Houghton, G. E. Humphries, M. A. Leishman, D. D. C. McGeachy,

K. F. Tupper (Chairman), J. D. Maguire, A. K. Rowntree, S. Thurgar; and E. V. Buchanan, K. S. Murray and G. E. Hall represented the Board of Governors, and R. M. Dillon acted as Secretary.

The Committee received a series of reports illustrating current and projected activities of the Faculty presented by Professors Foreman, Poucher, Quigley, Shelstad, Roy, Lauchland, Inculet and Geach.

### Placement

A new placement programme with greater emphasis on direct liaison with industry and involving first, second and third year students, as well as graduates, was developed by Professor J. A. MacDonald, who as Co-ordinator of Placement worked closely with the University Placement Officer.

Professor MacDonald solicited the co-operation of 900 professional engineers living in London and surrounding communities. He reported that sixty-four students from first, second and third year took advantage of the plan. Resumes were sent to 200 employers. All third year, 80% of second year, and 60% of first year students were placed.

### Student Exchange Programme

The Centennial Project for the Faculty was directed by Professor C. Roy who organized an exchange programme with Laval University, his Alma Mater. The aim was to "build a bridge" between Western and Laval in order to develop understanding for the serious problems which currently threaten national unity.

Ten students from Laval (who had completed either three or four years of undergraduate training) were invited to come to Western as summer Research Assistants. Nine worked in the Faculty of Engineering Science and one in Bacteriology. Arrangements were made for special classes in conversational English. Where the academic interests of the students could be well served, students were then invited to remain at Western for a further study leading either to a Bachelor's degree or a Master's degree. Messrs. M. Tremblay and J. Jacques will be accepted for Master's work and M. Laganier to complete the requirements for a B. E. Sc.

Two Western Engineering students, Messrs. B. A. Magee and M. Salvador took advantage of a corresponding invitation extended by the University of Laval. Mr. Magee will complete his Bachelor's

degree in Chemical Engineering at Laval. Laval students attending the summer session only were Misses M. Bourgault, R. Bourgeois, and Messrs. L. Delage, T. H. Duc, A. Fleury, B. Naud, and D. Roberge.

The programme was supported through the Ontario Department of Education's Cultural Exchange Office.

# SCHOOL OF BUSINESS ADMINISTRATION

## Report of the Dean

Professor J. J. Wettlaufer

The year 1966-67 recorded growth in almost every phase of the School's operation. There has been a significant increase in the demand for programs in business administration at the undergraduate, graduate and executive levels. In preparation for this additional challenge, the faculty has placed a major emphasis on research and on the development and preparation of new course materials.

### Academic Programmes

Although it was necessary to exercise some restrictions on admissions to all programmes in 1966-67, enrollment in the Graduate School achieved a new record of 294 students. Registration in the M.B.A. Programme totalled 283 with broad geographical distribution and educational backgrounds among the class. Of the Canadian students, 118 came from Ontario, 69 from Quebec, 23 from Alberta, 19 each from British Columbia and Manitoba, five from Saskatchewan, four each from New Brunswick and Nova Scotia and three from Newfoundland. Other countries represented included the U.S.A., England, France, Ceylon, Jamaica, Germany, Hong Kong, India, Iran, Morocco, New Zealand, Norway and Pakistan. The degrees held by these students included: Bachelor of Arts 76; Bachelor of Science 51; Bachelor of Engineering 5; Commerce and Business Administration 47; Chartered Accountant 15; Law 4 and Advanced 17. Enrollment in the undergraduate programme remained steady with 152 students in the third and fourth years of the course.

The doctoral programme saw a significant increase in the number of students with 11 candidates in residence during 1966-67. With increased faculty strength and continued course development it was possible to expand the programme to admit candidates for study in Organizational Behaviour. Other increases occurred in the Marketing and Finance areas. It is expected that resources will be available next year to continue expansion of the areas of study in the doctoral programme.



Degrees conferred and diplomas granted in the 197th and 199th Convocations were as follows:

Honours B.A. in Business Administration	68
Master of Business Administration	125
Diploma in Business Administration	23

### Curriculum Development

Curriculum development continued in all academic programmes during 1966-67 with special emphasis upon the revision of existing courses and development of new courses in the final years of the undergraduate and M.B.A. programmes. With a rapidly expanding body of knowledge in business it has become increasingly difficult to incorporate all new areas of study in existing courses. After a careful study by a special committee of the faculty, ten new courses were approved in Finance, Control, Marketing, Production, Quantitative Analysis and Economics for introduction during the academic year 1967-68. In the doctoral programme, course development continued in the new courses approved during 1965-66 in preparation for the admission of candidates in all areas of business.

### Faculty Publications

Research activities of the faculty continued during the 1966-67 session with consequent publication of various articles and studies, the details of which are appended elsewhere in this report. As in the past, many efforts of the Business School in research and publications continue to be directed to case research and development of related teaching materials. This is essential to Western as well as to the other schools which are using our materials on an increasing basis. In this area, Professor J. C. Taylor has been working with Dr. S. A. Martin of Western and Professor Peter Williamson of Dartmouth University of an accompanying text for their earlier publication, "Business Finance: Cases and Problems". In addition, Dr. D.S.R. Leighton and Dr. D. H. Thain are currently engaged in writing a basic marketing text to accompany their "Canadian Problems in Marketing".

Although not specifically related to faculty research, two other publications of the Business School deserve mention. The first is a monograph, "The Evolving Responsibilities of the Corporate Director" edited by Professor W. J. McDougall which arose from a special seminar held at Western in 1966 on this topic. The publication of the monograph coincided with much public and professional dialogue on the issues involved and received wide acceptance.

The second publication was the long awaited Directory of all former Business School faculty and students. Prepared under the

direction of Mr. N. M. Armstrong with the support of many interested groups, this Directory included the names of approximately 6,000 former students in the academic and continuing education programmes of the School.

### Research in Progress

During 1966-67, the Business School faculty continued its involvement in numerous original research projects and case research. As in past years, funds provided by the Ford Foundation and the Research Fund of the Western Associates (Canadian companies who contribute research funds to the School on an annual basis) have enabled the School to undertake a variety of research projects essential in attracting excellent faculty, to continuing professional development of all faculty members and to the support of all academic programmes.

Drs. P. G. Biesiot and R. C. Hodgson were involved in research on a future publication, "The Development of Human Resources in Underdeveloped Countries" during 1966-67 centred upon bibliographical research on the topic. Dr. Biesiot has also been working with Dr. J. R. M. Gordon in researching the application of model building and decision rules to the production process and inventory-purchasing function in a building components manufacturing operations. It is expected that much of their work will be incorporated into courses within the Business School.

Under the direction of Professor J. C. Taylor, Mr. J. Ellert prepared a casebook on the economic environment of Canadian business. Dr. S. A. Martin with the assistance of Mr. S. N. Laiken, carried on extensive case research including an extension of his work on the Delta Acceptance Corporation. Dr. Martin's work also included a number of cases on the international monetary system. Professor F. W. P. Jones completed his study on the price-earnings ratio now in use in the Investment Management courses within the School and initiated work on a paper entitled, "Towards a More Efficient Board of Directors". In the Control area, Professor T. R. Archibald continued his research on the financial and behavioural implications of management decisions to change accounting practices. Dr. J. N. Nicholson and Mr. J. D. ffolliott completed their bibliography on Capital Budgeting and also worked on the development of computer programmes in this area for introduction to Control and Finance courses.

In the Marketing area, Dr. J. N. Fry was active in researching consumer choice and brand loyalties as well as in the construction of "buyer flow" models of consumer purchasing behaviour over-time. In addition, Dr. Fry continued to extend his work on the adaption

of decision theory to the teaching and practice of marketing.

Dr. A. R. Wood continued his work on manufacturing facilities planning and completed a study on management in the Canadian farm machinery industry for the Royal Commission on farm machinery. Professor M. R. Leender's research on the purchasing function related to his value analysis project, a study of past, present and possible future developments in this area by Canadian industry. Dr. D. H. Thain was actively engaged in case writing in the area of business policy formulation and conducted topic research on organizational growth and the problems of general management.

Professor J. McDougall and Mr. Graham Fogelberg completed initial research work on a proposed monograph, "Corporate Boards in Canada - How 64 Companies Handle Their Boards" which has received favourable reviews to date on first drafts. Dr. B. Portis completed work on the monograph, "The Teenage Market in Canada" co-authored with Mr. Serge Gouin and Mr. Brian Campbell which should be available in published form in early fall of 1967. Dr. Portis, with the assistance of Mr. Robert Luba, also engaged in a study of computer applications in industrial organizations.

In organizational behaviour research, Dr. R. E. Sproule and Mr. K. Loucks worked on a study in the personnel area entitled "Profile of the Personnel Practitioner" in which the Business School was a co-sponsor with the Canadian Personnel Association. Dr. Sproule also commenced a research study of leisure habits and patterns among industrial employees. In another related area, Dean J. J. Wettlaufer, Professor A. Mikalachki and Mr. George Forsyth were involved in extensive research on existing labour-management relations in Canada conducted for the Prime Minister's Task Force on Labour Relations. In addition to its principal function of researching the area, the national survey will be useful in providing a base for further research in Canadian industrial relations.

#### Distinguished Visitors

Under the continuing Ford Foundation Grants, the School was privileged to have a number of distinguished academics as visiting professors in 1966-67. Dr. Russell Ackoff of the University of Pennsylvania Wharton School of Finance, presented two lectures, "A Study of Advertising in Depth" and "Science and the Manager". Professor Robert Kahn of the Survey Research Centre, University of Michigan, discussed "Social Psychology of Organizations". Two distinguished professors of Finance, Professor Ezra Solomon of Stanford University and Dr. Eli Shapiro of the Harvard Graduate School of Business Administration spoke to faculty

and students in the School on "Recent Thinking in Financial Theory" and "Financial Developments in the United States, 1965-67" respectively. Professor D. C. Carroll of the M. I. T. Sloan School of Management presented two lectures, "Management and the Computer" and "Implications of On-Line Real-Time Systems for Managerial Decision Making". Also in the area of management science, Professor Peter Winters lectured on "The Carnegie Tech Management Game" and "The Impact and Costing of Time Sharing Computers". A second visitor in the area of organizational behaviour, Professor Abraham Zaleznik of Harvard University discussed "The Psychological Basis of Executive Leadership". In addition to their public lectures, each visiting professor conducted a series of seminars with the faculty and candidates in the doctoral programme.

The School was also privileged to have Dr. Daniel Teichroew of Case University as a visiting professor on a continuing basis during the spring term. Dr. Teichroew was responsible for several seminars in Quantitative Analysis for doctoral students.

#### Programmes for Executives

The year 1966-67 marked a continuation of the efforts of the Business School to contribute to the development of skilled business leaders in Canada in all areas of management. The programmes of continuing education for executives attracted large numbers of participants in another record-setting year.

#### Management Training Course

Under Course Director Associate Dean Walter A. Thompson, the Twentieth Annual Session of the Management Training Course attracted 127 executives from 25 industries in Canada and the United States as well as international representation from Chile, Jamaica and Sweden. The profile of the 1966-67 class is evident in the following statistics:

General Executives	39
Engineering and Production	32
Marketing	20
Accounting and Financial Officers	9
Others	27
Average age	42.9

The Course was fortunate to have three visiting professors on its staff for the 1966-67 session. Professors C. A. Bliss and F. E. Folts of the Harvard Graduate School of Business Administration and

Professor E. J. Fox of the University of Miami, a former member of Western's faculty who returned to the Course after an absence of 14 years. Professor J. R. M. Gordon of Western participated in the programme for the first time and joined Professors A. R. Wood and A. A. Grindlay in presenting the Management Science sessions, a new addition to the curriculum. Other members of the School's faculty participating on the programme included Dean J. J. Wettlaufer, J. C. Taylor, D. H. Thain and R. C. Hodgson. Dr. M. Yuhasz of the Physical Health and Education Department, presented a programme of physical exercise and recreation for course members and Miss A. Challenor was responsible for the administrative details of the course with assistance from Mr. D. T. Wilson.

### Marketing Management Course

The Marketing Management Course under the direction of Professor C. B. Johnston continued its past successes with an enrollment of 104 marketing executives for its Fourteenth Annual Session. Although the majority of course members in this year's class were from companies who had participated in previous sessions, 25 new companies were represented. While approximately one-half of the Course members were from Ontario, the other provinces were well represented. One Course member came from the United States with another from Iran.

The faculty for the Marketing Management Course included Professors J. T. Nicholson, D. H. Thain, J. N. Fry, A. Mikalachki and C. B. Johnston, Course Director. Mr. D. G. Burgoyne assisted on the direction of the programme and Professor M. Yuhasz of the Physical and Health Education Department conducted the physical and recreational aspects of the programme.

### Business Conference

Two hundred and twenty-five business executives from across Canada attended the Eleventh Annual Business Conference held on campus from May 11 to 13. The Conference theme this year was "Managing for Profit and Growth" and the keynote speaker was Mr. William O. Twaits, President, Imperial Oil Limited. Other speakers included: John A. Murphy, Statistics Manager, United Air Lines; Paul O. Gaddis, Director of Management Systems, Westinghouse Electric Corporation; Lloyd Hemsworth, Director of Industrial Relations, Kimberly-Clark of Canada; James W. Andrews, President and General Manager, General Foods Limited; Donald G. Willmot, President and Director, Anthes Imperial Limited; Dean M. Prather, President, A. C. Nielsen Company of Canada, Limited; Walter H. Johnson, Jr., Executive Vice-President, Interpublic, Inc.; Robert D. Elhart, Partner, Kates, Peat, Marwick and

Company; William V. Moore, Executive Vice-President, I.B.M. Canada and John J. Wettlaufer, Dean and Professor of Business Administration, University of Western Ontario. The banquet speaker was The Honourable Walter Gordon, M.P.

The leadership and organization for this Conference was provided by the Alumni of the School. The Chairman was William M. Chantler, with Frank T. Sherk and Robert N. Spear as Vice-Chairmen and Richard R. Faryon as Secretary. Other members of the Committee were Ernest W. Barbour, C. Marcel Brunet, John W. Murray, Lewis G. Smith, Dr. James W. Tomecko and J. Cal Wattie. The School was represented on the Committee by J. J. Wettlaufer, W. A. Thompson, N. M. Armstrong and F. H. Rowland.

### Other Executive Courses

This year the Business School initiated a new continuing education programme for business executives in an attempt to meet educational needs arising from development of new bodies of specialized knowledge. Under the direction of Dr. A. A. Grindlay, the School sponsored a three-day workshop on Management Science and the Manager. Professors J. R. M. Gordon and A. R. Wood assisted Dr. Grindlay in the development and presentation of the workshop which attracted more than 65 participants. Introduced as a pilot programme, the Course achieved great success and the School plans to continue the programme and expand it for its second annual session in 1967-68.

During 1966-67, individual members of the faculty continued to provide educational seminars and development programmes for members of business and professional organizations and associations. Dr. R. C. Hodgson presented a two-day seminar on "Communication, Coordination, Motivation and Morale" for the Ontario Police College and participated in a programme for the London Foremen's Club as well as in the Management Development Course of the Industrial Management Clubs of Canada. Dr. P. G. Biesiot was a faculty member of the Institute of Aerospace Management, University of Southern California in Germany. Dr. J. N. Fry contributed to the activities of the Centre for Continuing Studies in Marketing at the University of Waterloo and to executive programmes for a number of business organizations.

Professor J. C. Taylor contributed to the Business Finance Course sponsored by the Canadian Institute of Chartered Accountants for company financial officers. Dr. J. T. Nicholson assisted the Society of Industrial and Cost Accountants in a management development programme for comptrollers and accountants and was a faculty member of the C. N. Staff College. Also contributing to the programmes of the

Society of Industrial and Costs Accountants were Professors J. McDougall, M. Leenders, J. Ellert and A. Mikalachki.

Professor W. A. Thompson was on leave as a member of the faculty of the University of the West Indies in Kingston, Jamaica, for the spring semester. In addition to his teaching duties, Professor Thompson acted as consultant to the University and the Ford Foundation in their deliberations on advisability of establishing a department or school of business administration within the University of the West Indies.

Dr. D.S.R. Leighton was on leave as a member of faculty at IMEDE Management Development Institute, Lausanne, Switzerland and also participated in the International Marketing Programme at Sussex University, England. Drs. M. R. Leenders and R. E. Sproule contributed to the development and teaching of seminars for the Canadian Association of Purchasing Agents and to the Federal Government Small Business Programmes. Dr. Sproule also presented a seminar on supervision and communication to the Institute of Professional Librarians of Ontario and was a member of the faculty of the Chamber of Commerce Management Development Programme.

Dr. J. B. Washington served as Course Administrator and as a faculty member of the Canadian Institute of Plumbing and Heating Financial Management Course. Also assisting this organization were Professors J. McDougall and B. Little. In addition, many members of the faculty contributed to the courses of the Canadian Industrial Management Association. Dr. D. H. Thain was a faculty member of the International Marketing Programme at Cambridge University and Dr. J.R.M. Gordon participated in a number of executive courses for educational and business organizations, the armed forces and the Canadian Association of Purchasing Agents.

It is essential to the continued development of the Business School that relationships are well established with the business community and professional associations both through participation in their programmes and in presentation of papers and speeches to these groups.

Dr. R. C. Hodgson presented papers to the Personnel Association of Toronto and the Canadian Industrial Relations Research Institute and also addressed local branches of the Nurses Association, Industrial Management Clubs of Canada and the London Foremen's Club. Professor J. C. Taylor addressed the Canadian Pulp and Paper Association and Dr. J. N. Fry spoke to the Annual Meeting of the Retail Council of Canada and presented a paper at the Association of Canadian

Schools of Business Annual Meeting.

Drs. A. A. Grindlay and B. Portis presented a paper on "Management Use of the Computer" to the Computer Society of Canada and Dr. M. R. Leenders spoke to the national meeting as well as local branches of the Canadian Association of Purchasing Agents. Dr. J. R. M. Gordon delivered papers to the Academy of Management's Regional Meeting in Chicago; the Regional Meeting of the Engineering Institute of Canada, Peterborough; American Statistical Association, Montreal and Air Force Staff College, Toronto.

Professor J. J. Wettlaufer spoke to the 23rd Annual Conference of the Personnel Association of Winnipeg; to the Advertising and Sales Club of Toronto, and to Eaton's Business Club, Toronto. In addition, Professor Wettlaufer was a panel member of Dialogue '67 at Western, discussing "Labour, Automation and Social Change", and at the Centennial Conference of the Personnel Association of Toronto.

#### The Business Quarterly

The past year has proven to be an outstanding one in the thirty-four year progress of "Canada's Management Journal". Increases in circulation, advertising and sale of reprints have allowed for new approaches in editorial expansion, graphic design and more sophisticated printing. This has been an encouraging stage of development in a five-year plan to expand the readership of the magazine to 25,000 readers for each issue of the QUARTERLY.

Thirty-six articles have been published in the last four issues; nine written by academics from various faculties at Western, thirteen written by academics from other universities, ten authored by recognized business leaders in this country and the United States, two written by federal government executives, one by a judge and one by The Honourable G. A. Gale, Chief Justice of Ontario.

Recognition of the editorial excellence of the articles appearing in THE BUSINESS QUARTERLY for this period is reflected in the fact that eleven publishers have requested permission to reprint these articles. Several were also reprinted in French. Sale of reprints from these four issues total 6,000.

Ten thousand copies of the special Centennial issue were printed with three large Canadian companies sponsoring distribution to 2,200 special names.



## The Placement Programme for Students

During January and February this past year, recruitment activity surpassed previous levels with more than 2,500 individual interviews between members of the M.B.A. and Honours B.A. graduating classes and organizations seeking to inform students of career opportunities. A total of 152 companies participated in the on-campus interview programme resulting in the placement of 139 graduates. An additional 46 students were placed through contacts made with companies outside the on-campus programme.

A new development in the Placement Programme was the M.B.A. I Summer Intern Programme. This Programme was designed in an attempt to provide summer employment experience for first year graduate students that would be an integral and useful part of their total educational experience. Thirty-three students and fifteen companies participated in this year's pilot project with a high degree of success and enthusiasm. Plans are in operation for expansion of the programme for 1967-68.

The Placement Programme is directed by Mr. N. M. Armstrong who is a member of the Research Committee and the Executive of the College Placement Council.

## Interdisciplinary Associations

The faculty of the Business School has enjoyed many valuable associations with other faculties and departments on the campus in the past and these relationships were continued during 1966-67. Mr. H. J. Glasbeek of the Faculty of Law presented a two-semester course in Business Law to final year students in the undergraduate and M.B.A. programmes, and Mr. C. Biegie of the Department of Economics assisted in the International Business course. Dr. M. Yuhasz of the Physical and Health Education Department continued his contribution of an executive fitness programme in our continuing education courses. In addition, members of the Business School faculty have participated in research and teaching with other schools and faculties having an interest in administration. Dr. A. Mikalachki worked with the Physical and Health Education Department and Dr. J. B. Washington offered a course in Accounting and Finance in the Faculty of Law. Dr. D. Wallace continued previous work of other faculty members in a course in business administration for final year Engineering students. Dr. R. C. Hodgson this year continued his assistance to the School of Nursing in its summer programme. We look forward to continuing our associations with other areas of the University in the future.

Dr. G. Edward Hall

Dr. G. Edward Hall will be remembered for the splendid leadership which he gave to this university and to this School of Business Administration. He convened the historic meeting of Canadian business leaders in 1948. Acting upon the recommendations of that meeting, Dr. Hall assisted in the formation of the first School of Business Administration in Canada and the second Management Training Course in North America. His continued support has enabled the School to maintain its leadership role in business education.

## SCHOOL OF BUSINESS ADMINISTRATION

1966-67

Appointments

T. Ross Archibald	(after Christmas) - Assistant Professor
J. R. M. Gordon	Assistant Professor
J. F. Graham	Assistant Professor (returning from doctoral work)
D. Hunter	Instructor
R. J. Kennedy	Assistant Professor (returning from doctoral work)
Stanley Laiken	Instructor
Blair Little	Assistant Professor
Eric Lutz	Instructor
Russell Knight	Lecturer
S. D. Morehouse	Instructor
F. H. Rowland	Assistant Professor
Donald Wallace	Lecturer
J. B. Washington	Associate Professor (returning from doctoral work)

Promotions

D. Burgoyne	Lecturer
J. Ellert	Lecturer
J. D. ffolliott	Lecturer
R. C. Hodgson	Associate Professor
C. B. Johnston	Associate Professor
K. E. Loucks	Lecturer
M. R. Leenders	Associate Professor
B. Portis	Associate Professor
R. E. Sproule	Associate Professor
J. C. Taylor	Senior Professor

On Doctoral Study

Paul Bishop	Harvard University
Harold Crookell	Western
George Forsyth	Western
James Nininger	University of Michigan

Resignations

Dr. Robert F. Love	Assistant Professor
--------------------	---------------------

On Leave

Dr. D. S. R. Leighton	Professor
-----------------------	-----------

## SCHOOL OF BUSINESS ADMINISTRATION

- Forsyth, G. and Nininger, J. "Solving Canada's Manpower Crisis: Whose Responsibility?", Business Quarterly, Vol. XXXI, Nos. 3 (1966), p. 68.
- Hodgson, R. C. "How to be a Creative Subordinate", Business Quarterly, Vol. XXXII, No. 1 (1967), pp. 10-22.
- Hodgson, R. C. "Toward More Effective Management", Business Quarterly, Vol. XXXI, No. 3 (1966), pp. 10-25.
- Hodgson, R. C. "The Personnel Man's Role in Organization Development", Canadian Personnel and Industrial Relations Journal, Vol. XIV, No. 1 (1967), pp. 27-32.
- Leenders, M. R. "How is Your Company's Buying Image?", Business Quarterly, Vol. XXXI, No. 3 (1966), pp. 41-45.
- Leenders, M. R. "Supplier Development", Journal of Purchasing, Vol. II, No. 4 (1966) pp. 47-62.
- Leenders, M. R. "Value Analysis", Canadian Purchaser, Vol. XLVI, No. 2. (1967).
- Leighton, D. S. R. "Current Developments in Marketing Theory", Management (Journal of the Irish Management Institute), February, 1967.
- McDougall, W. J., ed. Evolving Responsibilities of the Corporate Director. (Monograph). (London: University of Western Ontario, 1966), 128 p.
- Mikalachki, A. and Gouin, S. "Le directeur du personnel: une redéfinition de son rôle", Commerce, Vol. LXVIII, No. 10 (1966) pp. 24-28.
- Portis, B. "Psychological Concepts for Consumer Research", Journal of Advertising Research, Vol. VI, No. 3 (1966) pp. 31-36.

## THE SCHOOL OF BUSINESS ADMINISTRATION

## RESEARCH PROJECTS

1966-67

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
The Ford Foundation	M. R. Leenders	An Investigation of Value Analysis
The Ford Foundation	R. Love	Optimal Location of Warehouses
The Ford Foundation	J. N. Fry E. F. Lutz	Adaption of Panel Reduction System
The Ford Foundation	J. N. Fry	Family Branding and Consumer Brand Choice
The Ford Foundation	J. N. Fry E. F. Lutz	Price Level as a Determinant of Brand Acceptability
The Ford Foundation	B. Portis	Computer Utilization in Industry
Associates Fund	J. T. Nicholson	Development of a Model re Cost of Capital of Public Utility Companies
Associates Fund	J. T. Nicholson D. ffolliott	Capital Expenditure Procedures in Canadian Business
Associates Fund	J. R. M. Gordon	Consistency and Optimality in Managerial Decision-Making
Associates Fund	C. B. Johnston D. G. Burgoyne	Three Level Measurement Study - Viewpoint of Salesforce

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Associates Fund	C. B. Johnston D. G. Burgoyne	An Operations Research Approach to Sales Management
Associates Fund	R. E. Sproule	Research on Leisure
Associates Fund	A. A. Grindlay	Model of a Production System
Associates Fund	A. R. Wood	Technological Change and Production Process Development
Associates Fund	W. J. McDougall	Available Information and the Board of Directors
Associates Fund	R. E. Sproule K. Loucks	Survey of Personnel Practices in Canada
Associates Fund	J. T. Nicholson	Teaching Materials and Computers
Associates Fund	R. C. Hodgson D. Hunter	Case Research - Organizational Behaviour
Associates Fund	R. C. Hodgson J. Nininger	Case Research - Development of Integrated Case Series for First Year of M. B. A. Programme
Associates Fund	J. C. Taylor J. Ellert	Case Research - Environmental Economics
Associates Fund	S. A. Martin S. Laiken	Case Research - Financial Institutions
Associates Fund	C. B. Johnston	Case Research - Marketing Planning
Associates Fund	J. J. Wettlaufer	Case Research - Industrial Relations

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Associates Fund	A. A. Grindlay R. M. Knight	Case Research - Quantitative Analysis
Associates Fund	J. C. Taylor S. D. Moorehouse	Case Research - Financial Management
Associates Fund	B. Little	Case Research - Marketing Management

# SCHOOL OF LIBRARY AND INFORMATION SCIENCE

## Report of the Dean

Professor Andrew D. Osborn

The School of Library and Information Science was the direct creation of the Board of Governors and the Senate in response to a proposal from the Provincial Government. The Senate instructed the Faculty of Graduate Studies to appoint a Committee to formulate a broad programme for the School and to find a Dean. The Committee consisted of:

Professor J. A. F. Stevenson, Physiology, Chairman  
Professor R. E. Butts, Philosophy  
Professor P. A. Fraser, Physics  
Professor J. P. McLaughlan, History  
Professor E. J. Pleva, Geography  
Professor R. J. Rossiter, Dean of the Faculty of Graduate Studies  
Dr. J. J. Talman, Chief Librarian  
Professor R. W. Torrens, Romance Languages  
Professor M. J. Wright, Psychology

In the course of its deliberations the Committee sought the advice of three specialists. These were: Dr. George Bonn who at that time was Chief of the Science and Technology Division of the New York Public Library and who is author of Science and Technology Literature Resources in Canada; Professor Leo Carnovsky of the Graduate Library School at the University of Chicago and, at the time, Chairman of the American Library Association's Committee on Accreditation; and Dr. Neal Harlow, Dean of the Graduate School of Library Science at Rutgers University and formerly librarian of the University of British Columbia. On the advice of these experts, Dr. Stevenson's Committee decided in favour of a Master's programme. In February 1966 it recommended the appointment of the present Dean who formally began work the following July.



### Quarters for the School

It was thought that space for the School might be found in the basement of Alumni Hall which was due to be completed in the early spring of 1967. Much time was spent on the development of sketch plans; but the scheme was abandoned because of cost. Accordingly it was decided to erect a temporary structure on a site adjacent to the skating rink. On completion of the fresh set of sketch drawings the Department of University Affairs provided the money for a prefabricated building of 18,000 square feet. The accommodations include: two seminar rooms, one big and one small; a demonstration type library under computer controls; a large laboratory to be furnished with the latest equipment and under the supervision of an AV technician; a large demonstration area, one feature of which will be storage-type shelving of several kinds to house the School's demonstration storage library; a bindery where students may learn fine binding as well as binding routines and repair work, and where experimental work can be undertaken; a bibliography room to house the resources that support the School's programme of bibliographical studies; a room for a hand-printing press for use in conjunction with the bibliography programme; faculty office; and both a student and a faculty lounge, each equipped with kitchenette facilities because the School will be at a distance from Somerville Hall.

It is anticipated that the quarters will be adequate for the School for perhaps three years. At one time it was thought that a move could then be made to the present Lawson Library building; but it would be difficult to remodel that structure to serve the demonstration and laboratory character of the School. So a permanent building for the School should be planned; and present indications are that the best site for it would be on the other side of Western Avenue from Althouse College of Education.

### Academic Programme

The last truly great advance in education for librarianship came with the Williamson report, written for the Carnegie Corporation in 1924. Since the end of World War II there have been numerous contributions and advances of a specialized character; but otherwise, in most respects, the Williamson era still continues.

The problem of the day is to lift education for librarianship, notably in first-professional -degree work, onto a truly graduate level. By a coincidence some of those concerned with the graduate study of education have been preoccupied with a similar question, as can be seen from The Graduate Study of Education (Cambridge, Mass.,

Harvard University Press, 1967), a report issued by the Harvard Graduate School of Educational Administration. The book could equally well be a contribution to education for librarianship since the two disciplines have the same strengths and weaknesses: their strengths lie in the contribution they make to every discipline; while their weaknesses exist because preoccupation with other disciplines robs them of time in which to make contributions in their own right.

Two important steps the School is taking to ensure true graduate quality in its work are: (1) the substitution of seminar methodology for the lecture system; and (2) the presentation of professional content through a subject medium. So the School will be unique in the field of education for librarianship through having no lectures and no professional courses as such. Other objectives of the newly developed curriculum are:

1. To create professional enthusiasm and insight in the student in what is, or should be, a creative discipline.
2. To complement what has established itself as sound theory and practice by experimental attention to the new and emerging philosophy and technology of the profession.
3. To pioneer in new methods and ways of thinking.
4. To advance research, especially in relation to the bibliographical control of information where the thesaurus approach has run its course.
5. Through the SLIS library to demonstrate sound and comparative practice as well as experimental advances in library organization and display.
6. To pay close attention to the historiography of the School's professional field.
7. To make a large-scale contribution to the field of school librarianship, in part through cooperation with the Althouse College of Education, this being an area for which the Ontario Department of Education has until now carried the major responsibility by means of its summer programmes.
8. To facilitate library recruiting by graduating students three times a year.

## The SLIS Library

The School's Library will represent a major contribution to the academic programme. Among other features it will:

1. Pioneer in having a computer-usable classification system.
2. Supply the students with a book catalogue of the most used items, a catalogue which will involve new principles of description.
3. Include selected journal articles in the bibliographical control of the professional literature.
4. Operate a computer circulation system based on the new classification scheme.
5. Provide students with a broad approach to the professional bookstock so they can be aware of the complex nature of the presentday information-oriented library.
6. Serve as a laboratory by providing working collections of special categories of material such as archives, foreign-language publications, government documents, phonograph records, and sheet maps as well as sheet music.

## Faculty

Because of the new conception that lies behind the academic programme, the terms for selection of the initial faculty were somewhat more complex than otherwise might have been the case. The results, however, were extremely fine; and the development of the new approach to education for librarianship is now in the hands of a strong, capable group of enthusiasts, each member of the team having been handpicked to fit in with desired areas of strength and specialization. The original faculty is:

William J. Cameron, Visiting Lecturer  
 Laura C. Colvin, Professor  
 Constantine M. Hotimsky, Lecturer  
 C. Deane Kent, Visiting Lecturer  
 Samuel D. Neill, Associate Professor  
 William B. Ready, Visiting Lecturer  
 Edouard Reitman, Professor

Barbara J. Smith, Professor

Janette H. White, Associate Professor

It is especially gratifying to be able to say that McMaster University has been very generous in permitting Professor Cameron of its English Department to carry the School's work in descriptive and analytical bibliography, and Professor Ready, its Chief Librarian, to develop the themes of book and library history within the framework of new and old world studies in intellectual history.

### Resources

In the summer of 1966 the University acquired a dual-purpose station wagon for the School. Once classes start it will be available for field work; but in the meantime it has done yeoman service in bringing in much needed books and will continue to serve in that capacity. By means of the station wagon over 15,000 volumes were brought to the University in 1966-67 from places such as Ann Arbor, Michigan, Boston, Massachusetts, Montreal, Oberlin, Ohio, Toronto and Washington, D. C. The Deputy Minister of National Revenue, the Honourable Raymond C. Labarge, made special arrangements to facilitate the entry into Canada of the shipments from the United States; and these courtesies on the part of the Federal Government, both in Ottawa and at the ports of entry, Fort Erie in particular, have been greatly appreciated, especially in view of the long hours and responsibility involved in bringing heavy loads of books over long distances.

Altogether well over 40,000 volumes were acquired by SLIS in 1966-67. A major part of these items will end up in the Lawson Library or one of the departmental libraries; but in the meantime the students will work on the material as part of their understanding of decision making, library processing, and subject cataloguing.

In the foundation year, acquisition was principally from Canada, France, Germany, Great Britain, Holland, Russia, and the United States. Much of the material has come by exchange. The great deficiency in the collections is in the back files of journals, though there is still basic work to be done with nonbook materials of all kinds.

One of the most astonishing achievements has been the rapid build up of bibliographical and rare-book resources for teaching purposes. Professor Cameron has done a remarkable job, particularly in seventeenth-century material in English and French.

A beginning has been made with the collection of oral history,

with Professor Hoar of the English Department taking the initiative. Apart from the intrinsic value of such archives, it is important for the students to have first-hand knowledge of oral history as another example of the extremely numerous and varied ways in which information is nowadays gathered and organized.

Because of the resources that are available, the School will be thoroughly book oriented - using that expression in the broadest possible sense to cover writing in any medium whatsoever - so students will have exceptionally fine opportunities for working with every type of publication and every type of medium, in part as preparation for seminar sessions.

### Gifts

The first gift to the School came from Mr. Ian Macaulay of Port Dover; he presented three nineteenth-century children's books. Gifts of substantial size came from the Boston Public Library, the Library of Congress, the London Public Library, the Oberlin College Library, the University of Michigan Library, and The University of Western Ontario Library. From Ian Grant, the Glasgow bookseller, came a collection of imperfect rarities, principally of the Short-Title Catalogue and Wing periods; and a similar and larger collection this time of Wing items, came from the Philadelphia bookseller, Ralph Howey. Such items constitute excellent problems for students in bibliography to study. The Dean contributed a number of out-of-print professional items. Altogether gifts of books numbered 628.

The first gift of cash came from the School Librarians Group of London. It will be used for prizes in the field of school librarianship. It is hoped that means will be found so prizes can be awarded annually for outstanding work in various areas of specialization.

# ALTHOUSE COLLEGE OF EDUCATION

Report of the Dean

Professor W. S. Turner

## Enrollment

Althouse College of Education had a total enrollment during the academic year 1966-67 of 281 distributed as follows: Type A, 83; Type B, 136; Commercial, Specialist, 10; Commercial Intermediate, 8; Vocational Specialist, 1; Vocational, Type B, 35; Occupational, 8. The summer school enrollment was 1,491, distributed as follows: Initial Course, 544; Completing Course, 436; Vocational, Part 1, 61; Occupational, Part 1, 14; Type A Seminars, 184; Commercial Courses, 99; Vocational Specialist, 153.

It is obvious that the summer school route to certification, because of its brevity and economic implications, militates against an encouraging growth in the winter school enrollment. However, the decision to discontinue the summer school route, in whole or in part, after 1968 will have interesting implications for the College during the academic year 1969-70 and thereafter.

It is the hope of the Faculty that ways and means, not the least of which will be the development of a prestigious programme of studies, will be found to attract greater numbers of scholarly students to the College so that they may be prepared for the unprecedented responsibility that the schools must assume following the disappearance of the Grade 13 examinations, the greater autonomy in planning curricula, and the recent modification of the role of the Department of Education in supervision. The value of these changes will be contingent upon the availability of a sufficient number of teachers with scholarship and professional competence commensurate with the new responsibilities.

Following two years experience with an integrated programme for degree-holding students interested in qualifying for teaching at the elementary level, a decision was made to establish a

department of elementary teaching in Althouse College effective during the academic year 1967-68. Students electing the elementary option will be required to select a second subject for teaching at the secondary level and, following successful completion of the programme, will receive dual certification. Even at this early date, it is not extravagant to prophesy that this addition to the programme will prove to be popular and that one of the basic recommendations of the Ad Hoc Committee on the Training of Elementary Teachers under the chairmanship of Professor C. M. Carmichael will be vindicated.

With the support of members of the Department of Classics and Romance Languages, Faculty of Arts and Science, and the Department of Modern Languages, Althouse College, the Advisory Committee's recommendation that new Type A programmes in the single fields of French and Latin was accepted.

Being convinced that insistence upon the selection of three subjects for teaching could not be supported either academically or professionally, the faculty gave solid support to a recommendation that certification be granted on the basis of two subjects for teaching and that the selections be supported by at least two, full university courses beyond Grade 13. The implementation of this recommendation during the year 1966-67 proved not only beneficial academically but served to reduce the student's work load and permit a deeper concentration in areas of academic interest. There are those with a deep interest in the education of secondary school teachers who believe that students with academic depth in a single area should be given special consideration.

The desire of the faculty to keep the programme of studies under review has been manifested in the establishment of an ad hoc committee charged with the responsibility of submitting recommendations to the council which, if approved, will be submitted to the appropriate authorities within the University.

During the academic year, three members of the faculty resigned, effective June 30, 1967, and ten were appointed to the following departments: Technical Department, three appointments as replacements; Psychology, one additional member; Classics, one on a sessional appointment to replace Professor Lambert who was granted study leave; Department of Elementary Teaching, two members, Guidance Department, one additional member (Professor Peter Schmidt was granted study leave during 1967-68); Business and Commerce Department, one appointment as a replacement; History of Education, one sessional appointment. During the academic year, 1966-67, the Department of Philosophy enlisted the services of Mr. John McPeck

to assist in the teaching of Philosophy 120. Mr. McPeck is currently enrolled in the Ph. D. programme in Philosophy at the University.

In addition to intensive involvement in the work of curriculum planning committees organized under the auspices of the Department of Education and in professional development conferences in a number of areas throughout Ontario, members of the faculty participated in an interesting variety of extracurricular activities:

#### Department of Art

Professor K. English served as a member of the Ontario Society for Education through Art; the Creative Arts Committee, Ontario Institute for Studies in Education; and the Arts and Crafts Foundation Committee, Community Programmes Branch; represented the College at the annual meeting of the College Art Association, Cleveland; and acted as a consultant on art book publications for Holt, Rinehart and Winston.

#### Department of Business and Commerce

Professor J. E. Walsh spent seven weeks in France, Italy, Denmark, Germany, Spain, Austria, Holland, England and Switzerland meeting with groups of educators to discuss the place of data processing in the programmes of secondary schools. The Department offered two courses in data processing and two courses in marketing during the winter session for practising teachers. Professor Walsh addressed the Greater Edmonton Business and Commerce Teachers' Association at Edmonton. Invitational seminars included upgrading typing and dictating equipment and offset duplicating, and introduction to data processing for practising teachers. A computer day for secondary school students from eight secondary schools was highly successful.

#### Department of English

A two-day, poetry-drama colloquim was held in January for teachers with recently acquired Type A certificates. Two well-known poets, Miriam Waddington and Dr. Philip Child delivered illustrated lectures on the process of making a poem; Dr. Eugene Benson, playwright, staged a rehearsed reading of his play, "The Ram", and conducted a discussion. Professor J. E. Smallbridge taught an experimental course to a Grade 9, two-year class at Westminster Secondary School, London, in order to test certain aspects of theory, method and curriculum. A report will be available in October, 1967.



### Department of Geography

Professor S. Inch served on the Executive of the Huron-Erie Geography Teachers' Association. Professor Langman's work on a book, "Settlement Studies in Southern Ontario" is well advanced, and is designed for senior geography classes in the secondary schools.

### Department of Guidance

Professor Peter Schmidt was elected a national director of the Canadian Guidance and Counselling Association and first vice-president of the Ontario School Counsellors' Association; acted as principal of the Department of Education Summer Courses in Guidance; and chaired the committee planning the Annual Guidance Conference at U. W. O.

### Department of Health and Physical Education

Professor F. Wigston and N. West addressed the undergraduates in physical education, University of Windsor. Professor West attended the Minister's Conference on Recreation; addressed the London Separate Schools Physical Education Association, and the Women's Health and Physical Education Association, Windsor; attended the National Health Education Conference in Washington, D. C.; attended, along with Professor Paterson, a seminar on the teaching of Organization and Administration in undergraduate courses, University of Waterloo followed by addresses to the Students' Association; planned and organized, in collaboration with Professor Wigston and Paterson, a Physical Education Curriculum Symposium; represented the College, along with Professor S. Inch, at the first inter-university seminars on international developments, University of Guelph; accepted a leadership position with Operation Crossroads Africa and took a group of university students from Canada and the United States to Africa; elected Vice-President for Health, The Canadian Association for Health, Physical Education and Recreation; and acted as a consultant to the Committee of the London Board of Education to prepare a new health education course for the London Secondary Schools. Professor West received the Ontario Educational Association (Physical Education Section) Award for outstanding service to the profession in Ontario. Professor Wigston was elected President of the Physical Education Section, O. E. A., conducted basketball clinics throughout Ontario and one in the Maritimes; and was invited to try out for the Women's Canadian Basketball Team for the Pan-American Games. Professor William Paterson acted as secretary, Physical Education Section, O. E. A., and represented the College at the conference of the American Association for Health, Physical Education and Recreation, Las Vegas. Professor

Iris Bliss gave fundamental movement and folk dance clinics throughout Southern Ontario, and attended the Ontario Folk Dance Camp, U.W.O.

### Department of History

Professor Geoffrey Milburn taught History 20; attended conferences of the Ontario Association for Curriculum Development, Toronto; the National Council for Social Studies, Cleveland; the Canadian Historical Association, Ottawa, and the Ontario Historical Association, Port Elgin; assisted with the Sir Adam Beck Secondary School Conference for the London secondary schools; acted as advisor for the elementary school programme in history; assisted with the team teaching programme at Clarke Road Secondary School; and gave seven addresses: five to groups of teachers, one in the YMCA Lecture Series and one to a student's group. Professor John Bowden participated in the "Renaissance Seminar Tour" of North Italy organized by McMaster University; attended, along with Professor Douglas Gray, the National Council for Social Studies, Cleveland; and participated in the YMCA Lecture Series. Professor Douglas Gray taught history to a Grade 9 class, Oakridge Secondary School and gave assistance to the Grade 9 teachers of history. Professors Milburn and Gray accompanied secondary school inspectors on their November tours.

### Department of History of Education

In addition to his teaching programme, Professor D. G. Simpson was deeply involved during the last half of the academic year in planning for the CUSO Orientation Programme during the summer of 1967 which has been judged by competent authorities as being conspicuously successful. Professor J. Donald Wilson, as chairman of the lecture series committee, directed a highly successful programme described elsewhere in this report. Professor Wilson visited the University of Alberta, visited the Faculty of Education, University of Alberta, to study programmes and courses and to assess the possibility of faculty exchange.

### Department of Home Economics

Professor Grace Porterfield attended the Canadian Home Economics Convention and pre-convention course in Montreal and acted as chairman-secretary of the inspectors and teacher-educators in home economics.

### Department of Mathematics

Professor A. W. Harris delivered a paper on "Motion Geometry" at the Montreal meeting of the National Council of Teachers of Mathematics, August 1967. He was President of the Ontario Mathematics

Commission and in that capacity spent approximately three days per month at the Toronto office of the O.M.C. In addition, he served as a member of the Advisory Committee on Mathematics, Ontario Institute for Studies in Education. Along with Professor J. S. Wright he acted as a consultant on teaching methods to the Department of Family Practice, St. Joseph's Hospital. Professor George Lawson and a class took part in the first trial within the College of closed circuit television for the evaluation of demonstration lessons. During the year Professor D. R. Campbell gave an evening course on "New Mathematics" for the science teachers of the district. He was a councillor of the Ontario Association of Teachers of Mathematics, Chairman of the Western Ontario Regional Conference of O.A.T.M., Western Ontario representative for the National Council of Teachers of Mathematics, and was appointed a member of a committee of the Ontario Mathematics Commission, namely, the Advisory Committee on Colleges of Applied Arts and Technology. Professors Campbell and Lawson continued their work as members of a team writing experimental materials for the four-year programme under the auspices of the Ontario Institute for Studies in Education. In 1967-68, the Grade 10 materials were used in about twenty classrooms. This experiment proved successful and the trial has been widened considerably. The authors have also prepared material for Grade 11. Professor Lawson taught a Grade 12 class at Oakridge Secondary School. He was elected a councillor of O.A.T.M. During July, 1967, he was a member of a study committee set up jointly by O.M.C. and O.I.S.E. to write a report on secondary school teaching methods. He was also responsible for special classes given to mathematics students on the subject of computer science.

#### Department of Modern Languages

Professor W. E. Kieser gave two addresses, "Better Work Conditions and Quality Teaching" and "Teacher Training and Quality Teaching" to groups of secondary school teachers. He taught an experimental course in French, Grade 7, at Orchard Park Public School. Professor Margaret Baldwin was appointed to the Advisory Committee for Modern Languages, Ontario Institute for Studies in Education. In addition to addressing two groups of teachers during professional development days, Professor A. Boyd, spoke at the Conference of the Ontario Modern Languages Association and at the American Association of Teachers of Spanish, University of Western Ontario.

#### Department of Music

Professor D. Woodburn taught Music 27 and 37 and the College of Music chorus; adjudicated a Music festival in Lucan; and

acted as chairman for the Centennial Convention of Canadian Music Educators, London, Ontario.

#### Department of Philosophy

The Philosophy Department adopted the policy of sponsoring at least two annual lectures by scholars of world standing on issues pertaining either to courses currently being taught in the department or directly to educational problems of general interest. Speakers for the academic year, 1966-67, were William Dray, Professor of Philosophy, University of Toronto, and David Bidney, Professor of Anthropology and Philosophy, Indiana University. During the past year the department reconstructed its curriculum so that the courses in philosophy have either a teaching subject relevance or a relevance to general educational issues.

#### Department of Psychology

Professor J. G. McMurray served as President, Ontario Psychological Association; as Chairman, Canadian Psychological Standing Committee of Regional Associations; as a member, Ontario Board of Examiners in Psychology Inc.; as a representative to the Ontario Psychological Association of State Psychology Boards and as a member, Board of Directors, Ontario Psychological Association. Professors F. B. W. Harper and A. G. Slemon held cross-appointments in the Department of Psychology, Middlesex College. Professor Adler continued work on her doctoral dissertation and represented the College at the meetings of the Canadian Association of Professors of Education. Professor F. B. W. Harper acted as chairman of the Committee on Committees and directed the writing of the rationale for committee structure within the College. He addressed the Sir Adam Beck Home and School Association on the topic, "Sex Education". Professor A. G. Slemon served as a member of the Professional Advisory Council, Ontario Association for the Mentally Retarded and of the Board of Directors, Ontario Psychological Association.

#### Department of School Librarianship

Professor Elsie Gordon has reported an increase in interest in this department's programme which, along with projected recommendations for enlarging the offerings, will demand early consideration of a plan to provide more adequate accommodation. Professor Gordon served on the consultative committee for secondary school libraries.

## Department of Science

Professors J. S. Wright and Murray Lang addressed groups at the National Convention of the National Science Teachers' Association (U.S.A.) in Detroit. Professor Wright acted as chairman of a panel at the Northeastern Region, N. S. T. A., Pittsburg. Professor H. D. Webber has been extremely busy as Chairman of the Centennial Science Teachers' Conference to be held in Toronto, November 2, 3, 4, 1967. He also prepared, under the supervision of Professor H. M. Lang, and with the valuable cooperation of Dean Andrew Scott and his colleagues in the College of Science, an updating course for teachers of chemistry. In addition, Professor Webber has addressed numerous gatherings of Science teachers; chaired a panel of the Northeastern Region of the N. S. T. A.; acted as secretary-treasurer of the Chemical Education Division of the Chemical Institute of Canada and addressed several meetings of members of the Institute. Professor Webber was selected to attend a four-week course on secondary school science programmes - Nuffield Programmes in chemistry, physics and biology given in England.

## Graduate Studies

The Committee on Graduate Studies met frequently during the academic year to discuss programmes leading to an M. Ed. (Guidance) degree and masters degrees for teachers in a number of disciplines. Dr. David Purpel, Director of Programmes in Teaching, Graduate School of Education, Harvard University; Dr. Robin Pedley, Director, Institute of Education, University of Exeter and Dr. Ernest Stabler, Chairman of the M. A. T. Programme, Wesleyan University acted as consultants during the academic year.

## Lecture Series

The Althouse Lecture Series, inaugurated in the spring of 1966 under the chairmanship of Professor J. Donald Wilson, is designed to provide a platform for outstanding scholars from Canada and elsewhere to lecture on topics relating to the field of education.

Following is a list of individual lectures and lecturers:

- Philosophy and Education, Professor A. R. C. Duncan,  
Queen's University
- The Critic and the Leisure Structure, Professor Northrop  
Frye, University of Toronto
- The Problem of Teaching Reasoning Skills, Professor  
Michael Scriven, University of Indiana

Recent Developments in Education in England, Dr. Robin Pedley, Director, Institute of Education, University of Exeter.

Attendance at this year's series ranged from 200 to 500 people and consisted of faculty and students of Althouse College and the University as a whole, elementary and secondary school teachers, principals and administrators, and persons generally interested in the field of education. Although the primary aim of the series is to provide an opportunity for persons in London and the surrounding district to hear outstanding scholars speak on topics in education, the lecture series committee is considering the possibility of eventually publishing some of the lectures in book form so that the views of these scholars may reach a wider audience.

#### The Advisory Committee to the College

With the exception of Dr. Robert Stinson who retired from the Committee, June 30, 1966, as a representative of The University of Western Ontario, the membership of the Committee remains the same. Dr. C. E. Sanborn will replace Dr. Stinson as one of the representatives of the University and will bring to the Committee a deep interest in the academic and professional education of teachers. The deliberations of the Committee, as in former years, were of great value in administering the affairs of the College.

#### The Students' Council

Despite the lack of continuity imposed by a one-year programme, the Students' Council, under the very capable leadership of President, Mr. Kenneth Nicholson, planned and implemented a programme that proved to be of great interest to the students and of value in the general administration of the College.

# THE SUMMER SCHOOL AND EXTENSION DEPARTMENT

Report of the Director

Miss Angela M. Armitt

The Department took two significant steps during the year 1966-67. The first was to organize, with the sanction of the Advisory Committee of the Summer School and Extension Department and with the approval of the Senate, the introduction of Night Summer School classes and the establishment of a summer campus at Owen Sound.

The evening summer programme, which began in May, 1967, started in a modest way with six courses and resulted in a surprisingly large registration of 236 students. Of the courses offered, three were at the first year level and, as well, three senior courses were given in English, History and Psychology. A questionnaire indicated that many registering were laboratory technicians, welfare workers, housewives, accountants, farmers, secretaries and others, as well as teachers. Teachers made up slightly less than half of the number. A number of intramural students took a night summer school course to complete a degree or to make up a missing course in their programmes.

The Owen Sound campus was organized because of the great need for educational opportunities at the university level in an area remarkably isolated from advantages for continuing education. The campus was organized as a result of a strong request on the part of the whole community to have the Department offer courses there. Seven courses were planned for the first summer. Contributions were made by Owen Sound toward a library which was established on the campus at West Hill Secondary School. This library was to remain at the School where extension courses in the fall would supplement the summer courses. The Owen Sound Public Library also ordered copies of all books recommended by instructors. It is hoped that an excellent library can be built up as more courses are offered in the Centre.

A change in admissions introduced by the Senate to become effective July 1, 1967, stated that mature adult students could now apply for university work, either full-time or part-time, at twenty-three

years of age and enabled more students to start work with the Department. Students are admitted to take courses in the Summer School and Extension Department under the same regulations as those admitted to intramural studies.

### Summer School 1966

The 1966 Summer School had a total of 2,205 students registered. This number included thirty-three graduate students who were taking courses at Summer School. One hundred and fifteen instructors made up the Summer School teaching staff, of which nine were visiting lecturers. Eighty-six courses were offered to students working toward a B.A. degree or those upgrading to Type A certificates. Botany 20, Business 250, Geophysics 21, Philosophy 48, Physics 22 and 255, Psychology 41, Russian 10 and Zoology 471 were among the courses given. Most of these were offered for the first time at Summer School.

There has been a steady increase in the number of honours courses offered. The increasing demand for science courses resulted in a wider offering of these at the honours level to persons upgrading to Type A certificates. The International Nickel Company continued to offer bursaries for high school teachers of mathematics and science. These grants have stimulated teachers from all over the province to improve their qualifications.

All Departments were able to provide instructors for this expanding programme. Since some disciplines are more heavily taxed because of the preponderance of teachers at Summer School, Departments such as English, French, Geography, History and Psychology had to provide large staffs. Their cooperation and achievement in doing this were largely responsible for the increased attendance at the summer session.

### EXTENSION CLASSES, 1966-1967

TABLE OF COURSES, STUDENTS ENROLLED AND NUMBER OF COURSES

	<u>Courses Offered</u>	<u>Number of Registrants</u>	<u>Number of Course Registrations</u>
LONDON credit courses	37	863	1,008
OUTSIDE CENTRES credit courses	35	633	730
<u>TOTALS</u>	<u>72</u>	<u>1,496</u>	<u>1,738</u>



The total number of 1,496 credit students for 1966-67 marks an increase of 218 students and 368 course registrations since 1,278 students were registered in 1965-66 for 1,370 courses.

The Extension Course programme, designed to meet the needs of people currently employed, particularly school teachers, who are unable to take advantage of regular day-time classes and who wish to further their academic education, included a wide range of credit courses. First year and senior courses were slated where possible in each Extension Centre so that new students as well as those already well into their B.A. programmes could be accommodated.

During 1966-67, credit extension classes were held in London at The University of Western Ontario, and also in the following centres outside London: Brantford, Chatham, Clinton, Owen Sound, Sarnia, Simcoe, Stratford, Tillsonburg, Watford and Woodstock.

Twenty-five two-hour sessions per course were held in the London centre and in the outside centres sixteen three-hour sessions per course were given. Classes in London met weekly and those at centres outside London approximately every second week.

In London, thirty-seven degree courses were offered, involving forty-two instructors. These courses were given during the evenings, beginning at 7:30 p.m. from Mondays to Thursdays inclusive, and on Saturday mornings. At the outside centres, thirty-five courses were given and most of these were on Saturdays. The courses given in London were in the fields of Astronomy, Biology, Computer Science, Economics, English, French, Geography, History, Latin, Mathematics, Philosophy, Politics, Psychology, Secretarial Science, Sociology, Spanish and Zoology. The number of courses offered in the outside centres ranged from one to eight per centre and were in the fields of English, French, Geography, History, Latin, Mathematics, Philosophy, Politics and Psychology.

The instructors for Extension courses were full-time staff members of The University faculty or from the facilities of the affiliated colleges or Ph. D. staff from the Psychological services of the Board of Education.

While extension courses were offered for students working toward a B.A. degree or up-grading, these courses were available on a non-credit basis to any who wished to increase their general knowledge without writing examinations or who were not academically qualified to take courses for credit. Approximately sixty-two took advantage of these opportunities.

The various Departments supplying staff members for Extension classes were most helpful. The heads of some Departments accepted teaching responsibilities themselves in London or at outside centres. Almost all classes requested by students were offered. Some difficulty was experienced, however, in obtaining instructors for courses in certain fields in the most distant centres.

Academic requirements for Extension students are the same as those required for intramural students. Achievements of these adult students compare very favourably with those of the full-time students.

The Summer School and Extension Department depends to a very great extent on the school inspectors in making contacts with the teachers in the various inspectorates. Most of the inspectors are very cooperative in supplying us with lists of their teachers or by personally distributing the literature of the Department among their teachers.

#### CORRESPONDENCE COURSES

<u>Number of Students Registered</u>	<u>Course Registrations</u>
223	250

Two hundred and twenty-three students registered for Correspondence courses this year as compared with two hundred and thirty-two in the previous year. More students travelled a greater distance to Extension classes, thus decreasing slightly the number taking work by this method. Twenty-five courses were available. Work was offered in the following fields: English, French, Geography, German, History, Latin, Philosophy, Psychology, Sociology and Spanish.

Students were registered for correspondence courses from seven Provinces of Canada, from the Territories, as well as from the United States, South America, Switzerland, and the Armed Forces bases in Europe.

The policy adopted two years ago of limiting correspondence work to those who had completed at least two university courses with a C average had continued to produce better results in the Correspondence Division.

#### Non-Credit Continuing Education Courses

The demand for continuing education courses of all types has

increased constantly and rapidly. As the following table illustrates, the rate of growth from 1964-65 to 1965-66 was thirty-one percent while the rate experienced in 1966-67 was thirty-three percent.

TYPE OF COURSE	NUMBERS OF REGISTRANTS		
	<u>1964-65</u>	<u>1965-66</u>	<u>1966-67</u>
ARTS AND SCIENCE	409	472	668
FINE ARTS	34	67	122
PROFESSIONAL TRAINING AND REFRESHER COURSES	<u>368</u>	<u>524</u>	<u>622</u>
TOTALS	811	1,063	1,412

This demand has come mainly from the best educated segments of the community. As can be seen in the figures which follow, fifty-six percent of the non-credit students had attended university and another twenty-seven percent had attended secondary school. It appears that participation in continuing education programmes is directly related to previous educational experience. If this is so, there is likely to be a constant increase in demand as the general level of education in our society continues to rise. However the University's role in meeting the demand is certain to be influenced by the development of the Colleges of Applied Arts and Technology - precisely what impact these institutions will have remains to be seen.

#### PREVIOUS EDUCATION OF NON-CREDIT STUDENTS

<u>PUBLIC SCHOOL</u>	<u>HIGH SCHOOL</u>	<u>UNIVERSITY</u>	<u>OTHER</u>
4%	27%	56%	13%

During the past year the number of students attending non-credit courses in Arts and Science increased by just over forty percent. These courses were arranged to cover a wide variety of topics to ensure as much personal choice as possible. The following courses were offered on the campus:

- Communication and Mass Media in the Modern World
- Contemporary World Affairs
- Conversational Language Classes in French, Spanish, German and English
- English for those whose native language is not English

- Fortran Programming
- Introductory Interviewing
- Latin Poetry
- Masterpieces of Russian Literature
- Not Altogether Fool - Shakespeare's Romantic Comedy
- Psychology - Understanding the Emotions
  - Personality, Its Maturation and Conflicts
- Politics in Canada
- Secretarial Science
- Some Ethical and Social Problems in Modern Society
- Speaking in Public
- The History and Literature of the Great Depression
- The Impact of the Computer Revolution
- The Personality of Southern Ontario
- The Universe Today

Two courses were offered in English for students whose native language is not English. One course was offered only to university students who were experiencing language difficulties and was sponsored by the Department with no charge to the students.

Two off-campus non-credit courses were arranged - Philosophy at Owen Sound and a Chemistry course at Sarnia. The registration for the Philosophy course was 43, for the Chemistry course 22.

Moreover the wide range of credit courses offered by Extension in London and other centres was available to non-credit students and 133 people audited the credit courses.

Special mention should be made of the heartening development in Fine Arts courses which were attended by 122 students. Two courses in Music were arranged - Music, an Adventure for the Layman, and a second course, Great Composers. In addition there were two classes in Creative Drawing, one in the summer of 1966 and the other during the fall and winter of 1966-67. These classes in drawing from life were an important contribution to the community as the University is one of the few places where such courses are available to artists in London and district. It is hoped these and other Fine Arts courses will continue to develop with the cooperation of the Resident Artist and the new Fine Arts Department. A logical extension of such a programme could be the development of non-credit Fine Arts Courses on campus here during the summer and also at the new campus at Owen Sound.

As in former years, occupational and professional training and refresher courses were provided through the established programmes for accountants, engineers, bankers, appraisers, nursery

school teachers and welfare officers. Students enrolled in courses of this type number 483.

A significant development has been the growth of the weekend or week-long Institute as a means of up-grading occupational and technical knowledge. During the Fall of 1966, in cooperation with the Children's Psychiatric Research Institute, the Department sponsored a week-long course on the mentally handicapped child and his family which was attended by 36 nurses and social workers from all parts of Ontario. In the Spring of 1967 the Department participated in arranging three Institutes. In cooperation with the Computer Science Department a week-long Computer Course for Industry attracted 51 business men from all parts of Canada. With the Faculty of Engineering Science, a week-end Refresher Course in Mathematics was arranged for nine district engineers. Lastly, a week-long Institute was organized for the Attendance Counselling Association of Ontario. This Institute was attended by 43 Attendance Counsellors from many Boards of Education throughout the Province. Judging by the response to these three programmes, short Institutes will become an increasingly important method of offering continuing education to the professions.

As in former years the Department helped to arrange a weekend educational Institute conducted by the London Labour Council and the provincial and national labour organizations. These classes deal with the subjects particularly related to union membership and organization as well as with the unions' responsibility to the wider community. The attendance at these Institutes has continued to grow in recent years and, in 1967, almost 200 union members attended.

The willingness of the faculty to teach in the non-credit programme has been gratifying. A total of 89 instructors participated during the past year. We look forward to continued cooperation in our efforts to meet our part of the community's needs for continuing education programmes at the adult level.

The year 1966-67 has seen a steady expansion with increasing requests for wider offerings at the credit and non-credit levels. The plans for an off-campus Summer School at Owen Sound and for Evening Summer Classes held over a longer period on campus have added stimulus to the many other activities of the Department. The latter innovation has meant that adults in the community and a wide surrounding area are now using the campus facilities almost the whole year round.

Summer Supplements were introduced at the close of 1966-67.

This innovation is likely to pose a serious threat to the staffing of future Summer Schools unless some different method can be devised which will ensure continued support of the summer programme. In the past, staff have been available for all summer session requirements but Summer Supplements could change this situation drastically.

## TROIS-PISTOLES SUMMER SCHOOL

Report of the Director

Professor T. J. Casaubon

Student enrollment at the Trois-Pistoles Summer School for the 1966 session stood as follows: 74 students attended the School of French, 43 French Canadian students attended the School of English and 10 students took the Painting course. The majority of the students came from the Provinces of Ontario and Quebec. However four other Canadian Provinces were represented and six students came from five different American States.

Among the student group, there were 15 teachers, 52 university and adult students. Fifty students were from Secondary schools and Classical Colleges.

There seems to be increasing interest on the part of senior Civil Servants to attend the Trois-Pistoles Summer School. This is most manifest since the establishment of language instruction for top level Federal Civil Servants. Such interest also stems partly from the fact that a former staff member of the Trois-Pistoles Summer School is now curriculum Director for the Federal Civil Service Language Schools.

A series of lectures on art appreciation were offered on Tuesday and Thursday nights. Once again M. Louis Belzile was able to give these lectures and 39 students attended.

A students' choir was organized and directed by M. A. Ferland, Mr. John Lillie and Mr. R. Durocher. Rehearsals were held three times a week in the evenings. This was climaxed by a half hour programme at the Rivière-du-Loup radio station CJFP.

A varied and active recreation programme was again organized. The main activities were swimming, bowling, Saturday evening dances, boat tours on the St. Lawrence, etc.

Thanks to the renewal of the Centennial grant, we were able to award a number of bursaries to needy students and invite guest speakers to give special lectures to the students and interested citizens of the Community. A special trip to the historical City of Quebec was also subsidized by the Centennial grant.

An art exhibition was held at the end of the Summer School session. There were 135 paintings on exhibit. A large public visited the exhibits and ever so many praised the high calibre of work attained by our students in the painting course. A great deal of credit is due to Mr. C. Papke, the Art Instructor, for the popularity that the Painting Course is now enjoying.

The local Senior and Junior Consulting Committees have now been formed into one Advisory Committee. The following members have also been added: M. Berchmens Bérubé, M. Jérôme Bouffard, M. Gaston Dionne, M. Carol Lavoie, M. R. Létourneau, Dr. Jean Pérodeau. M. Ernest Allard who gave 10 years of imaginative leadership as Chairman of the Junior Committee has now been replaced by M. François Côté, who was elected Chairman of the newly formed Advisory Committee.

We regret the loss of Dr. J. P. Langlais as a member of the Committee. Dr. Langlais was killed in a car accident in December, 1966. Dr. Langlais was always available and ready to help whenever our students were in need of medical attention.

Mr. James Coulton a member of the Staff of Instruction for five years has been appointed Vice-Principal of Upper Canada College and is no longer an Instructor for the School of English. M. Raymond Durocher is pursuing his studies at the University of Montreal and unable to continue as an Instructor for the School of French. Miss S. Bélanger has been appointed Principal of one of the Trois-Pistoles schools and could not be free to continue as a member of the Faculty. All three were dedicated and competent teachers. We wish them well in their new ventures.

I would like to take this opportunity to express to The University of Western Ontario, to the Citizens of Trois-Pistoles, to the members of the Staff and to all students my most heartfelt appreciation. In my 17 years of association with the Trois-Pistoles Summer School, I have met on the part of all those with whom I worked or came in contact, nothing but understanding cooperation and unsurpassed good will.



The school was happy to welcome the following visitors from The University of Western Ontario:

Dr. M. K. Inman, Vice-President, Arts and Science  
 Professor Mason Wade, Department of History  
 Professor Fred Harper, Department of French

The Trois-Pistoles Summer School will undoubtedly experience bigger and greater success under the direction of such a devoted and dedicated Director as Professor F. K. Harper.

We wish him good luck and many years of a rewarding experience.

# HURON COLLEGE

## Report of the Principal

The Reverend Dr. J. Grant Morden

The academic year 1966-67 saw radical changes in the University, the New Act with its revised Senate, the retiring of Dr. G. E. Hall as President and Vice-Chancellor, and the welcoming of Dr. D. Carlton Williams into that high office. Huron College looks forward to playing its part under the new Act and to giving its loyalty and support to our new President as it has to Dr. Hall in the past. In line with the changes at the University and in line with the Duff-Berdahl Report, Huron College has opened its Corporation meeting to the Head Student and the Head Girl so that the Huron College Students' Council can be informed and have a voice at the highest Councils of this College. The Dean of Arts and the Dean of Theology also have been given a seat at the Corporation meetings and the faculty has been invited to elect two members to the Corporation and to its Executive Board. The Corporation has asked the Students' Council to nominate one student to represent the College on the University Assembly. The faculty will, for the first time under the new Act, elect one of their members to represent them on the Senate. The Huron College senior academic body, the Academic Council has, since 1958, been made up of all full professors, plus nine elected from the full-time faculty members below that rank, plus three appointed members from the Corporation. Also, the Huron College Students' Council has asked for an Academic faculty member, in addition to the Warden of the College, to sit with their Council in an advisory capacity. All these provisions for cross representation are directed to build a Community of Scholars in which the voice of the Corporation, the Administration, the Faculty and the Students is heard and heeded at all levels. While further changes will probably be needed in the future, the atmosphere of good-will that exists has indicated these changes auger well for the future.

The second area of rapid change came with the dropping of federal grants for higher education administered through the offices of the A. U. C. C. In lieu of these grants the Province of Ontario has now established a policy of making grants to church related colleges

at 50% of the level given to the provincially supported universities. Huron College would ask the President of the University to support an appeal to the Provincial Government to increase these grants from the 50% level to enable affiliated colleges of the University to maintain the standards of programme faculty and library needed for a first-class liberal arts college. It must be remembered that we provide without religious tests, for faculty or students, a liberal Arts programme in a college setting that enriches the life of higher education on the total campus. Our contribution must be of high quality if we are to justify our programme -- this is going to be increasingly expensive to maintain. Fifty percent grants are just not realistic for the years ahead of projected rising costs.

During the Academic Year 1966-67, two major public addresses were given: The first by Dr. Charlotte Whitton on the growth and development of man and his responsibility; the second by the Rt. Rev. John Hines, the Presiding Bishop of the Protestant Episcopal Church, on the place of church related colleges. At its Spring Convocation, Huron College honoured with a Doctor of Divinity Degree the Most Rev. Philip Francis Pocock, the Co-adjutor Archbishop of Toronto of the Roman Catholic Church. Dr. Pocock addressed the Convocation on the changing relations between Christians of various denominations.

### Registration of Students

#### Registration for the Years 1965-66 and 1966-67

FACULTY OF ARTS			FACULTY OF THEOLOGY		
	<u>1965-66</u>	<u>1966-67</u>		<u>1965-66</u>	<u>1966-67</u>
First Year	193	181	First Year	18	14
Second Year	167	160	Second Year	7	10
Third Year	140	133	Third Year	9	10
Fourth Year	7	9	Occasional	--	1
Occasional	<u>8</u>	<u>10</u>		—	—
	515	493		34	35

### Faculty Changes for the Academic Year 1966-67

#### New Appointments

The Rev. Sister M. Corona, B.A., M.A., Ph.D., (Notre Dame), Lecturer (part-time) in English.

Karen Howell, B.A., (McMaster), Instructor in English.

Ivan Charles Johnson, B.A., (Dunelm), M.A., Lecturer (part-time) in Economics.

The Rev. Harold Kay, B.A., (Dalhousie), L. Th., (King's), B. D., (Trinity), M.A., (Temple), Lecturer (part-time) in Hebrew.

Cynthia Margolis, B.A., (Barnard College), Lecturer (part-time) in English.

Peter Ross, B.A., M.A., (Western Ontario), Lecturer (part-time) in Economics.

#### Resignations

David Avrom Blostein, M.A., (Manitoba), B.A., (Oxon.), Lecturer in English.

Robert Gordon Fullerton, B.A., M.B.A., (Western Ontario), Lecturer in Business Administration.

Peter Michael Dominic Hinchcliffe, B.A., (British Columbia), M.A., (Toronto) Lecturer in English.

The Rev. John Gordon Rowe, S. B. (Harvard), B. D. (Episcopal Theological School), M.A., Ph. D., (Toronto), Professor of History, Head of Department and Dean of Arts.

The Rev. Frances Doreen Smith, B.A., (Toronto), B. D., (Emmanuel), Lecturer (part-time) in Hebrew.

In conclusion, we express our welcome to Dr. Rodney Poisson who has now taken up residence at Huron College and has entered into his work as Dean of Arts. We look forward to welcoming Dr. J. G. Rowe back to Huron next September as Professor of History. The academic future of the College looks bright. We thank the administration and faculty of the University for all they do for us each and every year -- may we always repay their kindnesses by the quality and standards of our contribution to Higher Education in the Humanities and Social Sciences.

## BRESCIA COLLEGE

### Report of the Dean

Sister Dominica

The increasing demand by health sciences for qualified dietitians and nutritionists, and the need for Home Economics teachers in Canada is making itself felt in the record enrollment in the Department of Home Economics, which this College operates exclusively within the University. The imperative need to expand the facilities of this department was studied and plans were drawn up for immediate construction. A failure of financial assistance, however, impeded progress temporarily. It is hoped that the coming academic year will open the required resources.

The increased enrollment in the Home Economics Department was only part of the total growth in the student body, which exceeded that of last year by 17%.

New appointments to the faculty were: Sister St. Pierre, B.A. Ottawa; M.A., Ph.D. Summa cum laude, Laval, as Assistant Professor in the Department of Romance Languages; and Miss Lorna Brown, M.A. Toronto, as Lecturer in the Department of Home Economics.

The international character of Brescia College was maintained again this year in student representation from seven countries outside of Canada.

Six students volunteered to work this summer through CIASP among the poor in Mexico.

Academic excellence achieved a level higher than usual, as nine Ontario Scholars were admitted in the Autumn, and twenty-four students made the Dean's Honour List in the Spring. This was 9% of the student body.

The Brescia Lecture Series brought several distinguished speakers to the campus: Rev. Gregory Baum, Toronto; Dr. J. Francis Leddy, President of the University of Windsor; and Murray Ballantyne, Montreal, among others.

## KING'S COLLEGE

### Report of the Principal

Very Rev. E. P. Larocque

#### Position in the University

On July 1, 1966, the affiliated college heretofore known as St. Peter's Seminary College of Arts (including the College of Christ the King) changed its title to King's College. The pre-Theology section of St. Peter's is now a department of King's College; the four-year post-B.A. Theology programme leading to a B. Th. continues to be independent of The University of Western Ontario.

The very principle underlying the presence of affiliated colleges within a University would seem to imply a sometimes difficult balance between a community, with its own ethos and with which the students and faculty can identify themselves, and a community open and anxious to contribute to the total life of the University. In such a modus vivendi the importance of clear lines of communication and mutual, professional trust, the welcome of a diversity of approaches in the common pursuit of truth, are indispensable.

The bus service (at no cost to the students) to cover the whole academic day, the inclusion of all courses taught at the affiliates on the University time-table for the first time, the whole-hearted co-operation of the Extension Department in Summer School and Extension courses for credit and for continuing education -- are as many signs of a healthy and challenging co-operation between King's and the constituent University.

#### Administration

During the academic year the two policy-making bodies of King's (the Board of Directors and the Academic Council) met monthly. An attempt was made to adapt the Duff-Berdhal Report to our College situation. The joint Board-Faculty-Administration study committee did not recommend the immediate seating of a Faculty member on the

Board; an interim measure, a Joint Communications Committee, brought together two representatives of Board, Faculty, Administration, Students' Council and Alumni at least twice a term. Any combination of representatives may meet to discuss issues that have specific reference to their own bodies. The Students' Council named an observer to the Academic Council with the proviso that he would become a full member if an  
on the Senate of the University.

Mr. Willard Henderson, R.I.A., replaced Mr. John Melito as Comptroller of the College.

### Faculty

Negotiations carried on by the Board-Faculty Association Committee resulted in the adoption of parity with salaries at The University of Western Ontario (except on the full professor level). A faculty of 15 full-time and 10 part-time members offered a total of 52 courses in 61 sections.

### Appointments

- Dr. Jerome A. Kramer, B.A. (John Carroll U.), Ph.D. (Ohio State), Assistant Professor in the Department of English
- Mr. John J. Snyder, B.A. (Notre Dame), M.A. (Tor.), Assistant Professor in the Department of Philosophy, Chairman of "X-courses"
- Mrs. Carolyn McNamara, B.A. (Hunter), M.A. (Tor.), Lecturer in the Department of History (part-time)
- V. Rev. Richard T. A. Murphy, O.P., B.A. (Providence College), S.T.D. (Angelicum University, Rome), S.S. Prolyta (Biblical Commission, Rome), S.S.D. (Biblical Commission, Rome), S.T.M. (Dominican Order), Professor in the Department of Religious Knowledge (part-time)
- Rev. John J. Donohue, B.A. (U.W.O.), S.T.L. (Gregorian Institute), Lecturer in the Department of Religious Knowledge (part-time)
- Mr. William Barnicke, B.A., M.A. (U.W.O.), Lecturer in Economics (part-time)
- Mr. Peter Schroeder, B.A., (U.W.O.), Instructor in Classics (part-time)
- Mr. Gordon Edwards, B.Sc. (Tor.), M.A. (Chicago), Lecturer in Mathematics (part-time)

Rev. Arthur L. Meloche, B.A. (U.W.O.), Instructor in the Department of Philosophy (part-time)

Miss Grace-Ann Twohey, B.A. (Tor.), M.S.W. (Ottawa), Instructor in the Department of Philosophy (part-time)

Mr. Francis Martin, B.A., M.S.W. (Ottawa), Instructor in the Department of Philosophy (part-time)

### Resignations

Dr. Thomas Collins, B.A., M.A., (U.W.O.) Ph.D. (Indiana), Assistant Professor in the Department of English

Dr. William Stockdale, B.A., M.A. (Alabama), Ph.D. (New York), Professor in the Department of History, Chairman of the Department

Dr. Ignatius J. Adel-Czlowiekowski, LL.M. (Lemberg), LL.D. (Fribourg), Assistant Professor in Economics

Rev. Peter A. Kuo, B.A. (Rome), M.A. (Loyola Chicago), Ph.D. (Notre Dame), Assistant Professor in Sociology

Mr. Leonard O'Hanley, B.A. (St. Dunstan's), L. Th. (Montreal), M.A. (Marquette), Lecturer in the Department of Philosophy

Mr. Rudolf Zimmer, B.A., M.A. (U.W.O.), Instructor in Mathematics (part-time)

Rev. V. Ambrose McInnes, O.P., B.A. (U.W.O.), M.A. (Assumption), Ph.B., Ph.L., Ph.D. (Aquinas Institute), Chairman of the "x-courses"

### Students

Registration increased some 30% (from 187 to 232) in the Arts programme at King's; there was a sharp decrease in the Pre-Theology programme.

	<u>1966-67</u>	<u>1965-66</u>
Freshmen	102	73
General Arts II	47	49
General Arts III	63	45
Honours Arts II	15	8
Honours Arts III	3	3
Honours Arts IV	2	9
Pre-Theology	<u>25</u>	<u>46</u>
	257	233
Part-time	15	59



As was already stated, student requests for responsible involvement in College affairs resulted in the appointment of an observer on the Academic Council. Besides their representation on the Joint-Communications Committee, students have a voting member on the Library Committee, the Publicity Committee and the Admissions Committee.

As Dean, I have this year given the responsibility for discipline to the students themselves, in the first instance, (the Residence and Judicial Committees of the Students' Council) and to the Faculty Committee on Student Affairs, as a final court of appeal. It is my conviction that such a responsibility can provide the opportunity for the education of the social sense and community responsibility. That it demands a high degree of personal and community maturity is its greatest challenge and hope.

### Special Events

The eighth annual series of lectures on Aspects of the Visual Arts was planned by Dr. Marvin Eisenberg, Chairman of the Department of the History of Art, University of Michigan, and was presented to the University and London public by King's College. For the first time the lectures were given in Middlesex Theatre on the main campus and for this we are most grateful to the University.

The programme entitled "Master Works of Architecture and Their Makers" was as follows:

January 12, 1967,	"The Athens of Pericles" Professor John Pedley, U. of Michigan
January 19, 1967,	"Imperial Rome" Professor Donald White, U. of Michigan
February 2, 1967,	"The Baroque Age: Church and Palace" Professor John Martin, Princeton University
February 9, 1967,	"The Gothic Age: The Cathedral" Dr. James Johnson, Cleveland Museum of Art
February 16, 1967,	"Contemporary Architecture" Professor Peter Collins, McGill University
February 23, 1967,	Centennial Lecture: "Canadian Architecture" Professor Alan Gowans, University of Victoria

Conclusion

The future of church-related colleges will depend on the Ontario Government's decision with regard to operational grants. The 50% grant cannot meet the rising costs and allow for that development of excellence which must characterize any institution of higher learning. As the University itself goes from the College concept to Divisions or Faculties of Humanities, Social Sciences and Natural Sciences, the presence of a fully-supported college system at the affiliates may well constitute a salutary and valid alternative which will make Western more universal in its approach to education, a university which actively promotes a unity in diversity and not a deadly uniformity.

# THE UNIVERSITY LIBRARIES

## Report of the Chief Librarian

Professor J. J. Talman

The year 1966-67 was a difficult one. Accessions increased, but at a disappointing rate. The figures for the past four years were:

<u>1966-67</u>	<u>1965-66</u>	<u>1964-65</u>	<u>1963-64</u>
64, 277	59, 983	38, 543	26, 676

The greatest problem of the year was lack of space for cataloguing staff. Until floor space is made available for additional personnel, provided for in the budget, the speed of cataloguing cannot be increased. The report of the Cataloguing Department below shows that acquisitions have been rapidly outrunning cataloguing. Had it been possible to process all the intake of the year within the year the above figure would have been 20, 000 higher. Steps are being taken to secure additional work space.

### Accessions

The accessions for the year brought the library holdings to over half a million. On June 30, 1966, the total was 446,426. The figure at June 30, 1967, was 510,703.

This total includes only what the Dominion Bureau of Statistics describes as volumes of books, monograph serials, periodical publications, printed government documents and technical reports.

The annual report of the Libraries to the Dominion Bureau of Statistics will also include the following additional items added during the year:

Microprint Government Documents	24,300
Microprint non-Government Documents	18,200
Microcards/Microfiche	20,000
Catalogued Music Education Material	1,854
Records	1,227

Although not included in the holdings of 510,703 given above, this material includes some of the best resources for scholars in the collections of the Libraries. The report to the Downs Commission showed that the University Libraries at the end of the year 1965-66 held 254,959 cards in one type of microform or another. This figure is now 317,459. It might not be unreasonable to suggest that the information now available in the University Libraries in microform probably could not be duplicated in fewer than 300,000 volumes.

This is the first year Music Education Materials and Records have been recorded.

### Computer Ordering

From March 3, 1967, all book orders were produced by computer. The transition was made smoothly. We are indebted to the staff of the Administrative Data Processing and Systems Development Department for their understanding and efficient cooperation.

The Periodicals List is the next project in which it is planned to use the computer. The efficiency of the computer in operations like this will enable us to include the periodicals lists of the affiliated colleges and the Agricultural Research Institute.

Before the end of the year it should be possible to expand computer use to the ordering of serials.

### Cataloguing

Miss Jean Elson, Chief Cataloguer, and her staff faced many problems as books flowed in at a rate higher than that at which the cataloguers could take them. As a result this unit now has an inventory of 26,329 titles, many with multiple volumes, on its shelves. During the year 13,000 sets of Library of Congress cards were ordered. The percentage of books brief listed was reduced. All books processed for Talbot, University and Middlesex Colleges were processed in this way.

Once again the catalogue had to be expanded. From September 1 to October 31 the department was involved in a COALS (Coordination of Academic Library Services) cataloguing project and in March in

another survey of original cataloguing. These activities and the demands for information required by the Downs Survey took their toll of staff time which otherwise would have been spent on cataloguing.

The great need for cataloguers and the practical impossibility of securing professional personnel was met by an expedient which proved to be successful. In October, Miss Margaret Russell, who had been released from her other duties, started a programme of training seven university graduates in the cataloguing of books with Library of Congress cards or copy. During the year, two left the department but the others have been of great assistance in getting the books through. In January we lost Miss Russell because of her marriage, but Miss Douglas ably took over and has supervised the work since. Since beginning this experiment we have found that many other libraries have also used similar systems successfully.

Two staff members were added to the serial adding unit whose work was increased by the addition of 4,873 back runs in addition to 5,476 current items.

More books and journals processed mean more cards to be sorted and filed and the filing checked in both the main catalogue and the shelf list.

In addition to their regular duties the card and marking unit pulled and stamped the sets of cards for books moved to the new Natural Sciences Library from the former Physics and Chemistry and Biology and Geology Reading Rooms. In April they began the pulling, xeroxing and stamping of the sets of cards representing the books transferred to the Natural Sciences Library from the Main Library the summer before. They also assisted in the sorting and refileing of the sets in the main catalogue. When it is realized that more than 50,000 cards were involved the size of the operation can be imagined.

Many hours of staff time were also spent in pulling cards for books in Nursing from the shelf list and main catalogue for transfer to the Health Sciences Library.

The transfer of many hundreds of volumes from one college reading room to another as departments were shifted or consolidated cost much time and effort. The time spent in amending the catalogues, etc., inevitably encroaches time which could otherwise be spent on cataloguing new books.

Readers' Services

Mr. Clarke Leverette, who replaced Mrs. J. Beharrell, as Head of Circulation, reported on the activities of the year. A new library was opened in the Natural Sciences building and the B. & G. and P. & C. reading rooms were closed. Reading rooms were opened in University College and Talbot College. These additions resulted in substantial increases in seating capacity. The hours of opening were extended and increased reference services were provided. The University College reading room took over the functions of Rooms 101 and 8 in the Lawson Memorial Building. The move was reflected by a surprising drop in circulation even when Talbot College circulation was included. On the other hand, the centralization of the two Natural Sciences collections resulted in a 99% increase in circulation.

Circulation figures at the best are unrealistic as it is impossible to count all books circulated in an open access reading room. Furthermore, use of microforms and like material referred to under Accessions is not reflected in circulation figures as these items are read within the libraries. On more than one occasion every one of the 35 pieces of reading equipment has been in use. Longer hours of opening and additional seating also might well be expected to reduce circulation figures as borrowing books to take out becomes less necessary. Nevertheless, the year saw a large increase in circulation as the following tabulation shows:

	<u>1965-66</u>	<u>1966-67</u>
General	156, 778	94, 097
Middlesex	11, 501	13, 420
Talbot 1		7, 265
University 1		42, 403
Business	11, 938	12, 166
Education	4, 027	21, 237
Engineering	3, 713	4, 057
Health Sciences	15, 020	17, 674
Nursing	5, 572	6, 971
Stevenson 2		1, 366
Law	4, 380	6, 108
Music	1, 064	1, 854
Natural Sciences 3	<u>12, 366</u>	<u>24, 609</u>
TOTAL	226, 359	253, 227

1 Talbot and University Reading Rooms opened on July 1, 1967

2 Stevenson was formerly included in Health Sciences

### 3 Natural Sciences prior to July 1, 1967 was Biology & Geology and Physics & Chemistry

For the convenience of both faculty and students a coin-operated Xerox copier was installed in the General Library.

Three guides to the library's resources were published:

- i) Periodicals list, non-medical, second edition, compiled by R. A. Hoyle
- ii) Index and abstracting services, compiled by F. J. Beharrell
- iii) Guide to government documents and publications of international organizations, second edition, compiled by C. E. Leverette

Several lectures with coloured slides were given to groups of students.

#### Interlibrary Loans

The number of requests from other libraries to borrow material went up fifty per cent during the year while requests by our graduate students and faculty remained fairly constant.

<u>General Library</u>	<u>1965-66</u>	<u>1966-67</u>
Outgoing: books	502	1,387
photocopies	<u>799</u>	<u>745</u>
	1,301	2,132
Incoming: books	1,909	1,622
photocopies	<u>1,130</u>	<u>1,528</u>
	3,039	3,150

#### Health Sciences

Outgoing: books	316	244
photocopies	<u>422</u>	<u>545</u>
	738	789
Incoming: books	154	185
photocopies	<u>219</u>	<u>302</u>
	373	487

Acquisitions

When a library system spends \$740,000 on acquisitions in a year many significant titles must be included. A few of those which stand out are:

Akademiia nauk SSSR. Otdelenie russkogo iazyka i slovesnosti. Sbornik, v. 1-101, 1867-1928

L'Année littéraire, 1754-1790 (Reprint)

Händel, Georg Friedrich, Works. 94 vols.

Historische Studien. vols. 1-376, 1896-1943

Ibis; the journal of the British ornithologists Union, 1896-1943

Journal encyclopédique, 266 vols. (Reprint)

Lettres sur quelques écrits de ce temps, 1749-1754 (Reprint)

Nouvelles de la république des lettres, 66 vols. (Reprint)

Novyi zhurnal, 1942+

Petermanns Geographische Mitteilungen, Bde 1-47, 1855-1901

Philologus: Zeitschrift für das klassische Altertum, numerous volumes

The Engineering Library is receiving two important services; the Geodex Structural Information Service and the Bay Area Pollution Control District Microfilm and Card Service.

Among important acquisitions acquired by the College of Music were the Montpellier Codex which is one of the original one hundred copies bound in Australian blackwood, and an original manuscript of an early sixteenth century Spanish choir book.

Gifts

Miss Anne Seheult, Health Sciences Librarian, reports that we have been most fortunate in the number of gifts we have received from members of the health sciences community and other persons interested in the literature of the health sciences professions. During the year we received approximately one hundred and fifty books, two thousand



journals and eleven records.

We are also most appreciative of the gift of \$300.00 from the Council of the Ontario College of Physicians and Surgeons.

We are grateful to Mrs. R. G. E. Murray for arranging for four paintings by London artists to be borrowed for an indefinite period and hung in the Health Sciences Library.

Gifts to the General Library again were numerous and valuable. Though it would not be practical to list the name of every donor here, suffice it to say that the record shows one hundred separate entries.

Some items which may be noted were received from:

Mr. George H. Zeigler, Principal, Kitchener Conservatory of Music, a collection of books for the College of Music

The Secretary, Church of England Temperance Society, files of the Church of England Temperance Chronicle, Temperance Magazine and Temperance Times and a set of Annual Reports, Council Minutes and Executive Committee Minutes of the Society, together with a collection of miscellaneous books and pamphlets; this gift was a most valuable addition to our extensive Canadian and American temperance material.

Mr. C. E. Norris, City Clerk of Toronto, records of the City of Toronto amounting to 121 volumes

Mr. Ian McAllister, Hay Township School records

Miss Mabel Williams, photographs of Medical School functions and people of the turn of the century for the University Archives

Misses Olive and Mabel Branion and Mrs. D. Cobban, two collections of Ontario school books, welcome additions to our already comprehensive collections in the field

Miss C. Campbell, one-time member of the library staff, books and business records

The Niagara Regional Development Council, various publications and reports of that body

Mrs. John Harley, books associated with Bishop Cronyn

The Canada Council continued their policy of making grants to libraries to help build up specific fields; this Library was the recipient of two grants; one of \$17,500 for the purchase of Latin American material and the other for books in American Literature amounting to \$9,500.

Collections of books and journals, in some cases amounting to several cartons, were presented by:

Mrs. H. L. Bucke  
 Mr. W. D. J. Moss  
 Dr. Amy Griffin  
 Dr. G. E. Hall  
 Mr. Ronald E. Murphy  
 Mr. James M. Kuist  
 Canon D. J. Cornish  
 Dr. E. Warnhoff  
 Mr. H. A. Lawless, Executive Director, Canadian Federation  
     of Mayors and Municipalities  
 Mr. A. L. G. Coumantarakis  
 The T. Eaton Company  
 Ministere des Affaires Culturelles of the Province of Quebec.  
 Mrs. Frank McHardy-Smith  
 Mrs. Charles Bryant  
 Dr. K. H. W. Hilborn  
 Dr. D. E. Gerber  
 Mr. C. Harold Zavitz  
 London Latvian Society  
 Student Exchange Group of the University of Sherbrooke  
 Professor W. R. Phinney

#### Notes on Divisional/Professional Libraries

Items of interest from reports of Divisions and Divisional/Professional Libraries follow:

#### Althouse College of Education Library

Miss Sally McCrae was able to report on the first complete year of operation in permanent quarters for Althouse Library following several months of temporary locations in London Teachers' College and the mezzanine of the College gymnasium. The result was a considerable increase in the use of library facilities by both faculty and students who have been much impressed by the comfort and attractiveness of its unique architecture.

The book collection has grown to more than 14,000 volumes in conjunction with over 500 current journals and is now beginning to make a valuable contribution to the academic life of the College. We are also attempting to concentrate on two areas of specialization on a modest scale. The first is a small collection of Africana which is being acquired in an effort to assist the CUSO teacher training programme which the College has been asked to conduct, and the second is a concentration in the area of international education which is being set up at the request of the University Advisory Committee on International Education. Both collections will prove useful to the comparative education courses being offered by the College as part of its regular History of Education programme.

### Business Library

Mr. John Hoover reported that since 1961 the business collection has grown rapidly, multiplying several times in the past six years. The statistics he provided give a good picture of the type of material being gathered:

#### (a) Corporation Reports

i)	Reports housed on microforms	22,000
ii)	Copies of original reports	<u>12,000</u>
	TOTAL	33,000

#### (b) Catalogued Book Volumes

i)	Monographs	14,000
ii)	Periodicals	3,000
(c)	Pamphlets	2,000
(d)	Microfilm	500 reels
(e)	Government Documents	2,000
(f)	Miscellaneous (including uncatalogued duplicates, periodicals, newspapers, etc)	<u>2,000</u>
	TOTAL	58,500

Currently, the School of Business Administration is expanding to twice its present size. The addition includes a second Reading Room with approximately 120 study spaces. Present facilities can accommodate approximately 150 readers.

### Engineering Library

Mrs. Gladys Osborn reported that once again space has become a problem. During the year plans were made for expansion into a portion of the adjoining room. The alterations were scheduled to be made early in the new fiscal year. The additional stack, reader and office space, provided at the expense of the drafting room will greatly enhance the use of this library. The expansion, however, is at best but a temporary expedient.

Many students took advantage of the extension of opening hours.

### Government Documents

Mr. Clarke Leverette reported that the year 1966-67 was one of consolidation. In May the new "Guide to Government Documents..." showed that the Library was then receiving all publications of twenty-four departments of the United States Government, doubling again the number received during the previous year. The collection which had been divided on two floors was drawn together on the second floor of the stacks.

### Health Sciences Library

Miss Anne Seheult, Health Sciences Librarian, reports for Medicine, Nursing, Dentistry and Stevenson that on July 1, 1966, the Health Sciences Library officially took on the responsibility of serving the library needs of the School of Nursing. In addition, the Library has been serving the first class of students of Dentistry who enrolled in September, 1966. They are continuing to build up material in Dental subjects to serve this Faculty which is new to the University.

The establishment of two hospital libraries to serve the medical public in this area has changed the pattern of use of our Library. With the opening of the libraries in St. Joseph's and Victoria hospitals and the expansion of the library of the Children's Psychiatric Research Institute, our interlibrary circulation and our reference work have both increased.

Another new development in our responsibilities has been

supporting the teaching programme for the honours courses in Basic Medical Science subjects. These courses are open to students in the Faculty of Arts and Science. The Health Sciences Library and the Natural Sciences Library are sharing the responsibility of supporting this programme.

### Law Library

Dr. Banks reported that the year saw a great expansion in accessions. The figures given in this report show an increase of almost 140%. During the fiscal year July, 1966 to June, 1967, 6,742 volumes were added to the law library as compared with 2,827 during the previous year. The total number of books now accessioned is 31,104.

Our principal acquisitions during the year under review have been in the fields of journals, early American law reports, and law reports and statutes of Commonwealth countries, other than Britain and Canada. We have added complete or almost complete sets of more than fifty journals (many American) during this period.

In the field of early American law reports, i.e., for the period before the establishment of the National Reporter System, we purchased the following sets from our regular funds:

Kentucky Reports v. 1-84, 1785-1887  
 Michigan Reports v. 1-40, 1819-1879  
 New Mexico Reports, v. 1-2, 1852-1883  
 Pennsylvania State Reports, v. 1-108, 1874-1886

In exchange for material presented in 1965 by Hiram Walker and Sons, and with the donor's permission, we acquired the following pre-National Reporter System American reports:

Alabama Reports, v. 1-80, 1820-1886  
 Arkansas Reports v. 1-46, 1837-1885  
 California Reports v. 1-63, 1850-1883  
 Connecticut Reports v. 1-52, 1814-1885  
 Federal Cases v. 1-31, 1789-1880  
 Kansas Reports v. 1-29, 1861-1883  
 Maryland Reports v. 1-63, 1851-1885  
 Texas Reports v. 1-65, 1846-1886

The Sir George C. Gibbons Memorial Fund, a gift reported last year, was applied to the purchase of the following sets:

Illinois Reports v. 1-113, 1819-1885  
 Blackford's Reports (Indiana) v. 1-8, 1817-1847; and  
 Indiana Reports v. 1-101, 1847-1884  
 Minnesota Reports v. 1-25, 1851-1879  
 Missouri Reports v. 1-88, 1821-1886  
 Nevada Reports v. 1-16, 1865-1882  
 New Jersey Equity Reports v. 1-40, 1830-1885  
 Wisconsin Reports v. 1-45, 1853-1878

In addition the Gibbons Memorial Fund was used to purchase the following sets:

The Jurist (London, England) v. 1-18, 1837-1855; n. s. v. 1-12,  
 1855-1867 (30v. in 55)  
 Newfoundland Reports v. 1-15, 1817-1946

Other important sets purchased from our regular funds were the Quebec Practice Reports for which we had long been searching and the All India Reporter consisting to date of 407 volumes.

During the year under review we also began an attempt to build up our holdings of out-of-print treatises and older editions of treatises that are still in print. Miss Diane Teeple travelled to England and Dr. Banks went to New York and Washington to search for such material. We have also prepared want lists for distribution to law booksellers. Already we have had considerable success but we expect the results will become more apparent during the 1967-68 fiscal year.

Between July 1, 1966 and June 30, 1967 we filed 4,329 cards in the law library catalogue and shelf list. We sent 857 cards to Lawson Memorial Library for insertion in the general catalogue and 836 to the National Library. (Normally we send a main entry card to both Lawson and the National Library but occasionally we include a "see" reference or added entry card for Lawson if this appears desirable. This is why the Lawson and National Library totals are not identical).

### Music Library

Miss Margaret Turner resigned at the end of May to accept the position of librarian at the Lambton Community College. Although in charge of the Music Library a relatively short time we owe much to her competence and industry. We were fortunate in having Mr. Larry Lewis, a professional librarian, who had previously worked in the Library to carry on. He reports that the year saw much growth and

development. The staff was enlarged to cope with the expansion.

Miss Turner completely re-catalogued and re-classified the record collection. Before establishing a system she visited six major music libraries in both Canada and the United States. The system adopted was that in use at Cornell University. Basically, it is an adaptation of Library of Congress classification for scores, using Library of Congress cards and conventional titles but with more analytics and cross references than provided for by the Library of Congress.

The score collection was greatly expanded by ordering miniature scores for all records already in the Library, and by establishing the policy of ordering scores when ordering new records.

### Natural Sciences Library

The first full year of operation of the Natural Sciences Library was described by Miss Sheila Power.

Last year's anticipated expansion in service demands and use of Natural Sciences Library working areas was fully justified.

During the academic year the staff totalled twelve. An average of 219 volumes was added monthly. Journal subscriptions which totalled 720 when the Library was opened rose to approximately 1,000. The Xerox copier produced many thousands of pages.

In June the Science Librarian and the Chairman of the Natural Sciences Library visited several other university libraries at Ann Arbor, Michigan, Toronto and Waterloo, to study problems and methods.

### Regional History and Treasure Room Collections

Anne Sexton who was in charge of this operation entered hospital on June 23. She died on July 20. Her contribution to the history of Western Ontario and indeed the Province, was recognized on all sides. A fully qualified archivist, she brought to her work competence and enthusiasm. Her loss is grievous and she will be hard to replace.

Mr. Cliff Lashley, one of our reference librarians, volunteered to carry on for the time being. He has reported on the work of the year.

Among the acquisitions received the following should be noted:

Oxford County Records; the business records of the C. Beck Manufacturing Company Limited, Penetanguishene; the Meredith, Davidson and Bennet papers donated by Mr. H. Davidson of London; the Wawanosh family papers donated by Mr. W. Carleton Wells of London and the J. P. Judd records donated by Dr. W. W. Judd of the University of Western Ontario.

Although no full description of these accessions has yet been undertaken working lists have been prepared for the extensive Beck papers and the Oxford County papers are being sorted.

A considerable programme of microfilming, often of material on loan for the purpose, has been completed. Materials microfilmed include the papers of Christ Church, Dresden, loaned by Christ Church; the records of St. John's Church, Woodhouse, loaned by Mr. N. Z. Nixon of Simcoe; the Atchison Brown diary and accounts, 1821-1847, loaned by Mrs. Leroy Poth of Bayfield; London District, Upper Canada Treasurer's Return of Patents in the district of London up to 1820 loaned by the Treasurer's Office of Middlesex County; and the Port Dover Customs Registers and Accounts, 1851-1907, loaned by Mr. H. B. Barrett of Port Dover. Several newspapers were also microfilmed. These include the Listowel Banner, weekly, 1867-1900, loaned by Mr. S. Johnston of Stratford.

This year has seen a considerable increase not only in accessions but in the use of the collection by graduate students, faculty and local historians. The department continued its work in publishing Western Ontario History Nuggets and Western Ontario Historical Notes.

#### Staff Activities

Mr. O. Breuer and Miss R. Jain attended all sessions of the Colloquium on Anglo-American Cataloguing Rules held in Toronto on March 31 and April 1, 1967, under the auspices of the University of Toronto Library School. Miss J. Elson attended the sessions on March 31, 1967.

Miss J. Douglas, Mrs. C. Hoffman, Miss M. Hyslop, Miss R. Jain, Mrs. G. Patterson, Mr. O. Breuer and Miss J. Elson attended the McMaster Library Round Table in February, 1967, at which Dr. Osborn was the key speaker.

Mr. L. Lewis, Music Librarian, attended meetings of the New York State Chapter of the Music Library Association, in Toronto and in Binghamton, New York.



Mr. J. Macpherson, Deputy Chief Librarian, presented a paper at the CACUL Workshop on Automation at the University of British Columbia on April 10-12, 1967. He also attended several meetings of professional library associations.

Miss R. Sanderson, Assistant-in-charge of the Nursing Library, attended the Canadian Library Association meeting in Ottawa in June, 1967.

Miss A. Seheult, Health Sciences Librarian, attended the Upstate New York Regional Meeting of the Medical Library Association on October 21-22, 1966, where she took part in a panel discussion on the planning of small and medium sized libraries and represented dental libraries in this discussion. She also attended a meeting called by the Association of Canadian Medical Colleges on October 20, 1966, to discuss a national library resource centre for the health sciences in Canada; the Canadian Dental Association teaching conference on Faculty of Dentistry libraries; and the annual meeting of the Medical Library Association at Miami, Florida. In connection with this trip the librarian had the opportunity of also visiting the National Library of Medicine in Bethesda and the Library of Congress.

Dr. J. J. Talman served as Chairman of the Microfilm Committee of the Canadian Library Association for the 13th year. He attended practically all meetings of the Ontario Council of University Librarians (OCUL) which replaced the Committee for Coordination of Academic Library Services (COALS). He served as chairman of the Library requirements committee in connection with the planning of the new main library. He continued as a member of the Historic Sites and Monuments Board of Canada. In September he spent three weeks in the United Kingdom on a book buying mission, locating about ten thousand volumes.

Miss D. Teeple and Miss L. Knepflar attended the annual meeting of the Canadian Association of Law Libraries held at the Faculty of Law, McGill University in Montreal on May 5-6, 1967.

### Conclusion

Gathering information for the Downs Survey cost the time of many senior staff members for weeks on end. The information requested could not be collected by inexperienced personnel and in order to meet deadlines other duties were inevitably postponed.

My thanks as Chief Librarian must go to the entire Library staff for their loyalty and industry during a difficult year.

## DEPARTMENT OF ATHLETICS

Report of the Director

Mr. John P. Metras

The University of Western Ontario was represented in seventeen of the twenty-one sports in the Ontario-Quebec Athletic Association. While we were able to win a championship in only one sport, the record of all the Mustang teams was very commendable as seven U.W.O. teams finished in second place. The sport of rugger, added to Western's official schedule this year for the first time, proved a wise addition as the team won the O-Q.A.A. Championship.

The outstanding athlete was Robbie Campbell (Meds '67) as he finished an illustrious college career with the record of being the first person in Western's history to receive a first colour in four sports with a total of nine first colours in basketball, football, track and wrestling. In addition, he received a Bronze "W", a Purple Blanket and was voted the Claude Brown Trophy and the George McCullagh Trophy.

### Rugger

Highlight of the year, of course, was the splendid showing of the rugger team. In league competition for the first time, they finished their season with only one loss and after winning the Western Division, they won the overall championship and the Turner Trophy by defeating McGill 11-3 in the final. This was a fine conclusion for a first-year team and coach Derek Kersley and his men are to be congratulated. Peter Norris was voted the most valuable member of the team.

### Football

Coach Johnny Metras and his staff of assistants, Jack Fairs, Jerry Gonser and Glynn Leyshon entered the '66 pigskin season with high hopes of regaining the Yates Cup that had eluded them the previous year. Their hopes were dashed as Queen's defeated Toronto 50-6 in a playoff after they ended in a first place tie with 5-1 records, while the Mustangs were third at 3 and 3. Western's Dave Garland and Toronto's Mike Raham

tied for league scoring honours with 48 points.

A major rebuilding job is in store for this Fall, at least twelve lettermen are not returning. In the backfield, Campbell, Froese, Garland and Lucyk will be among the missing along with ends Armstrong and Wearing and linemen Mitchell, Brescacin, Weber, Imrie, Keenan and Bradbrooke. The wisdom of continuing with a Colt team should prove itself as the majority of the replacements for the above will have to come from last season's good second club.

Pre-season exhibition games will find Western at home to Waterloo Lutheran on September 16 and University of Waterloo on September 23. The Mustangs will play an exhibition game with the University of Toronto in Toronto on September 30 and then open the league season October 7 in Kingston against Queen's.

### Basketball

Jerry Gonser's charges made a spectacular improvement on their previous season's record as they went 8 and 4 in the O-Q. A. A. to finish second to Windsor. Overall, they were 12 and 12 including a second place in Loyola (Montreal) Centennial Tournament. Two main reasons for the improvement were the addition of a former high-scoring league All-Star from Windsor, Bob Horvath, and the excellent showing of freshman Marnix Heersink of Burlington. This 6'4" rookie centre was second in league scoring with a 17.2 average and led the Mustangs in rebounding. Both Horvath and Heersink made the Western Division All-Star Team. Prospects for next year are bright as the only non-returnee will be Horvath. A promising group from last year's Colts will keep the veterans hustling to hold their spot on the team.

### Hockey

Western finished third in the league schedule and then lost to second-place Waterloo in the playoffs. Toronto again took both league and playoff honours and then went on to win the C.I.A.U. tournament in Alberta. Coach Ron Watson was pleased with the showing but hopes (and plans) to improve next year. He will be aided by the fact that most of last year's team will be back in uniform. Missing will be Corbett and Knightley.

### Swimming

Bob Eynon's swimmers moved up a notch and finished second to Toronto in the O-Q. A. A. Championships in the new 50-meter

McMaster University pool. Al Clarke won the 200 breaststroke as the only Western first place finisher.

### Wrestling

Same story as last year! Glynn Leyshon's wrestlers lost the team O-Q.A.A. championships to Guelph by a single point. Individual titles went to Charlie Nixon, Mike Connolly and Doug Mitchell.

### Volleyball

Western proved good hosts to the second year of the O-Q.A.A. Volleyball Championships as Dutch Decker's team placed second to the repeat winners from Toronto.

### Soccer

The soccer team, under Julian Payne and with a large percentage of newcomers, didn't fare as well as expected and finished fourth place in their division.

### Racquet Sports

Jack Fairs worked hard with his squash players but faced with too much competition from Toronto and McGill, ended in third place.

Dutch Decker's tennis team took team honours in the Western Division but lost out by one match in the playoff with Montreal. The doubles team of Bob Byrick and Harry Fauquier won the doubles title but no playoff was held with the Eastern Division. Glenn Johnston took the Western Division singles title in badminton as the team placed second to Toronto. Johnston then lost in the playoff to Lee of Queen's.

### Track and Field

Hampered as usual by lack of depth, the Mustang Track Team nevertheless made up for it by outstanding individual performances and placed second with 58 points to McMaster's 63 1/2. Pete Norris was a double winner with first in the Shot Put (43') and the Discus (150'4"). His discus throw set a new O-Q.A.A. record. Jim Parker took the 440 hurdles in 57.1 while Dave McGuffin won the high jump at 6'. Fred Quick tied for first place in the pole vault with a new record height of 13'.

## Other Sports

The Mustang Curlers missed out by a measure on the last rock in the final and placed second to McMaster when they had defeated them earlier by 13-7.

The Judo team gained valuable experience but was unplaced in the tournament. The Golfers were sixth. The Rowers had another busy season, placing third in the regatta held by Western at Fanshawe Lake.

For the first time, the Purple and White colours were represented by a seventh place team finish in Gymnastics competition. Digby Sale won the rings title and then captured the C.I.A.U. championship.

## Athletic Awards

The Annual Athletic Awards Banquet was held on April 5 in the new Banquet Hall in Somerville House. Feature of the affair was the presentation of the Turner Trophy for the O-Q.A.A. Championship to the rugger team. Charlie Nixon won the Keegan Trophy as the outstanding wrestler in the O-Q.A.A. Championship Tournament.

The following is a list of the M.V.P. awards.

The George Oliphant Trophy	- Wrestling	Paul Hanson
The George McCullagh Award	- Senior Football	Bob Israel
The Dr. Archie Galbraith Trophy	- Colt Football	Kevin St. Michael
The Peter Fowler Trophy	- Swimming	Conrad Odegard
The Circle "K" Trophy	- Hockey	Richard Clark
The Robert McChesney Award	- Hockey	John Heslop
The John Metras Trophy	- Basketball	Robert Horvath
The Claude Brown Trophy	- Overall	Doug Mitchell
Purple Blankets - Dave Garland and Robbie Campbell		

## MEN'S INTRAMURAL ATHLETICS

Mr. Dutch Decker, Director

Once again, participation in the threefold aspect of Intramural Athletics, championship competition, organized sports and informal activities, was at a peak which often was limited only by the facilities available.

In the championship competition, the University Shield for the overall Intramural Championship was won in a rousing finish by University College with 211 points, a mere eight ahead of second place Huron College. The eventual outcome was not decided until the final day of the year-long competition.

An increase was noted in the various house leagues, inter-fraternity leagues, residence leagues which are organized and directed by this department.

Various club groups such as archery, gymnastics, judo, fencing and curling were under the general supervision and all enjoyed banner seasons.

## WOMEN'S ATHLETIC ACTIVITIES

Mrs. Elfrida Berzins, Director

In 1966-67 Athletic season, Western women won the Inter-collegiate Championship in Basketball and tied for first place in Field Hockey. They were second in Archery, Swimming, Volleyball and Curling.

In Telegraphic Archery our archers came first in a tournament at which 35 universities from the United States and Canada participated. They came fifth in the mixed team (2 men, 2 women). Gloria Koenig (UWO) was first and Margot McHenry (UWO) third from 191 girl archers taking part in that competition.

Our Curling team was sent to Regina to the Second Century Week Olympiad and placed second.

As well as the Women's Intercollegiate Athletic Union tournaments, our girls played in many Invitational and Exhibition tournaments and games with good success.

In Telegraphic Bowling, our team placed third out of 10 Canadian universities participating. We came third in Telegraphic Track and Field.

Over 500 participants in Intramurals were entered in 15 different sports.

Club activities were organized in Gymnastics, Creative Dance, Archery and Synchronized Swimming.

Participation was very keen in all activities and we anticipate an increase in the numbers of participants in 1967-68 providing we have adequate facilities.

The Lang Trophy for Intramural winner was awarded to Westminster College for 121 points, followed by Brescia College with 116 points. Delaware Hall was third with 106 points and Medettes

fourth with 104 points.

The athletic season was brought to a close with the Women's Athletic Council Banquet which was held on March 29 in Somerville House and was attended by more than 200 persons.

39 First Colours, 4 Championship awards, 6 plates for Bronze "W"'s were awarded. Five girls received White Blankets and the Jones Trophy was awarded to Elaine McRae. 27 Silver Spoons and 77 Intramural Keys were presented for participation and winning, respectively.

The Women's Athletic Council was chaired by Judy Church, with Susan Godfrey Vice-President and Jean Richardson as Intramural Manager.

Western teams were coached as follows:

Mrs. Elfrida Berzins	- Outdoor, Indoor Archery
Miss Mary Lou Dresser	- Basketball, Track and Field
Mrs. Helen Kunkel	- Synchronized Swimming, Field Hockey, Badminton
Miss Joy Taylor	- Swimming, Volleyball

Attached is the record of the U. W. O. teams in Women's Intercollegiate Athletics.



STANDINGS IN WOMEN'S INTERCOLLEGIATE ATHLETICS (W. I. A. U.)

SPORT	<u>1955-6</u>	<u>1956-7</u>	<u>1957-8</u>	<u>1958-9</u>	<u>1959-60</u>	<u>1960-1</u>	<u>1961-2</u>	<u>1962-3</u>	<u>1963-4</u>	<u>1964-5</u>	<u>1965-6</u>	<u>1966-7</u>
Archery (Outdoor)	6th	6th	6th	6th	2nd	5th	champs	2nd	2nd	2nd	2nd	4th
Archery (Indoor)	5th	6th	5th	5th	4th	3rd	champs	2nd	2nd	3rd	champs	2nd
Badminton	4th	4th	4th	5th	4th	5th	4(tie)	2(tie)	3rd	3rd	4th	4(tie)
Basketball	champs	2nd	champs	champs	champs	3(tie)	champs	champs	champs	champs	champs	champs
Swimming	champs	champs	champs	2nd	2nd	champs	3rd	3rd	3rd	champs	2nd	2nd
Tennis	4th	2nd	4th	4(tie)	4th	4th	4th	4th	5th	5th	-	4th
Volleyball	champs	champs	champs	champs	champs	champs	champs	champs	champs	champs (tie)	champs	2nd
Ice Hockey	-	-	-	-	-	-	3rd	3rd	no part.	5th	2nd(tie)	4th
Field Hockey	-	-	-	-	-	-	-	-	2nd	2nd	1(tie)	1(tie)
Curling	-	-	-	-	-	-	-	-	-	2nd	2nd	

INTERCOLLEGIATE TELEGRAPHIC TOURNAMENTS

	<u>1961-2</u>	<u>1962-3</u>	<u>1963-4</u>	<u>1964-5</u>	<u>1965-6</u>	<u>1966-7</u>
Archery	1st	2nd	2nd	2nd	1st	1st
Bowling	10th	11th	5th	6th	4th	3rd
Track & Field	3rd	2nd	1st	-	-	3rd

# UNIVERSITY ATHLETIC ASSOCIATION

## Report of the President

Dr. K. P. Strickland

Again in 1966-67 all student members of The University of Western Ontario Athletic Association had offered to them a varied programme in Athletics. The interest and competition has been keen at all levels of the programme which includes: Women's Intercollegiate Athletics and Women's Intramural Athletics both under the able direction of Mrs. E. Berzins; Men's Intercollegiate Athletics capably directed by Mr. J. P. Metras and Men's Intramural Athletics directed very ably by Mr. R. M. Decker. The increasing participation in the large and varied programme offered continues to severely tax the facilities available. The Directors of Athletics are to be complimented on what they have achieved.

During the year five meetings of the Directorate, three meetings of a standing sub-committee of the Directorate and one meeting of the Association were held. In addition to dealing with routine matters, and other special items relating to policy, the Directorate worked very hard through its standing sub-committee to determine whether a number of changes should be recommended to facilitate its task of directing the policy of athletics at this University.

### Directorate Meetings

At its first meeting it was good to hear of the new or improved facilities that were being provided. These included improvements in the seating arrangements for students at the stadium, the provision of additional tennis courts, a new all-weather track, and the availability of a gymnasium and six squash courts in Alumni Hall. A committee was recommended to study in depth all aspects of athletic, social and socio-athletic clubs. At the second meeting the financial statement for 1965-66 was examined and, as in the past, the figures indicating the percentage breakdown of expenditures according to programmes were released. Certain recommendations relating to finances were made and forwarded to the Board of Governors for their consideration. The

third meeting considered a number of items relating to the Ontario Quebec Athletic Association. A number of revisions were suggested for the proposed new OQAA constitution. Also the Directorate adopted a similar view to the OQAA committee on Athletic Scholarships i. e. that we recommend against the implementation of athletic scholarships. At the last two meetings of the Directorate a number of recommendations on financial matters and composition of the Directorate were discussed and following modification were forwarded to the Board of Governors for their consideration. These recommendations were sent forth with the intent of facilitating the Directorate in its policy-making decisions. Approval was also granted for the recognition of fencing, water polo and gymnastics as intercollegiate activities as soon as money is available for them to function in this capacity.

### Association Meeting

The annual meeting of the Association was held on April 5, 1967 in conjunction with the annual Athletic Banquet. Because of pending changes in the Constitution, no elections of student representatives had been held, therefore, the new appointees could not be announced. These representatives will continue to serve for one more year:

Mr. Tom Garrity	- Intramural Sports
Miss Nancy Leal	- Women's Athletic Council
Mr. Daragh Mogan	- University Students' Council

Our congratulations are extended to all the winners of awards made at the Women's, Men's Intramural and Men's Intercollegiate Athletic Banquets. It is of interest to note some of the successes attained at the intramural and intercollegiate level. In Women's Intramural Sport Westminister College edged out Brescia College. In Women's Intercollegiate Activities Western finished first in basketball and field hockey and was second in indoor archery, swimming and volley ball. This is an excellent record for eight different sports. In Intercollegiate Telegraphic competitions Western's ladies are to be congratulated on their first place finish in archery. In Men's Intercollegiate Athletics congratulations must be extended to the rugger team for winning the Championship in their first year of league competition. Western's second place finish in seven other OQAA sports led to frequent quotation in 1966-67 of the expression, "To win a Championship in the OQAA you have to beat Western".

It is of interest to note two important actions taken by the OQAA Board of Governors at its Annual Meeting in March. A new constitution as amended and put forth by a special constitution committee was ratified. This new constitution gives equal voting to all member institu-

tions and provides for two representatives on the Board. The second action concerns the establishment of a special expansion committee who are to assess and make recommendations concerning the expansion of leagues taking all factors into consideration. It is good to see the OQAA taking these worthwhile, positive actions.

On behalf of the Directorate, I take this opportunity to thank all who have worked so hard to provide Western with a well-balanced Athletic programme. I think that it is fair to say that the programme has been offered, and I trust will continue to be offered, in the true spirit and with the proper emphasis needed to fulfill its small but important part in the overall education programme of each University student.

## OFFICE OF THE REGISTRAR

Report of the Registrar

Professor J. K. Watson

The major achievement of the year just completed has been, to me, the growth of understanding and trust of the Office of the Registrar. The distribution to the Faculty of the Report of the Senate Review Committee and other Senate information, the final draft of the University Act, and the participation of Faculty in Senate sub-committees, has helped to promote faculty recognition of the changing nature of university administration, and the role that each university unit is to play in the formation of policy. The role of the Registrar has been more clearly understood by the Faculty, and the supporting cooperation given to me and my staff has been deeply appreciated.

In the annual recapitulation of the year's efforts, as they affect the Records of the Registrar's Office, it is necessary to emphasize the differences between "registrations" and "students". A student, implying a physical body, may register for both the Winter Session and the Summer Session, or the Summer Session and the Extension Winter Session, or the Summer Session and the Correspondence Session, or indeed the Winter Session Part-Time and/or the Extension or Correspondence Winter Session. His registration documents and permits for admission to courses and programmes will be handled proportionately to his industry and his enterprise, and his permanent record will be handled proportionately to these qualities and his achievements, the clerical time consumed depending also proportionately on the quality of his achievements.

The drama of the comparative table below is self-evident, and needs no commentary on population growth, or additional professional opportunities offered at this University. It is worthy of some comment, however, that administration must manage records for an increasingly zealous student body.

<u>Students on Campus Winter Session</u>	<u>1966-67</u>	<u>1960-61</u>	<u>1954-55</u>
Arts & Science - University	4,721	2,278	1,386
- Affiliates	1,065	919	201
Business Administration	152	130	140
Dentistry	8	-	-
Engineering Science	294	181	-
Law	191	71	-
Medicine	264	243	236
Nursing	249	184	85
Graduate Studies	1,070	394	206
Althouse College	287	-	-
	<u>8,301</u>	<u>4,400</u>	<u>2,254</u>
 <u>Students on Campus Summer Session</u>			
Summer School	2,187	1,462	668
Graduate Studies	376	-	-
	<u>2,563</u>	<u>1,462</u>	<u>668</u>
<u>Extension &amp; Correspondence (Winter)</u>	<u>1,568</u>	<u>1,611</u>	<u>785</u>
<u>Total Registrations</u>	<u>12,432</u>	<u>7,473</u>	<u>3,707</u>

It is with satisfaction that I report automation of records and statistics has gone ahead tremendously, beyond any expectation. The interest and cooperation of the entire computer staff, particularly of Mr. Denton and Mr. Youell, and the vital contribution of Mrs. Isaacs, have been responsible for accelerated admissions and registrations, earlier release of undergraduate reports, routine and unusual statistical data, and innumerable areas which could no longer be handled manually by clerical staff.

In the past six years of extraordinary student population growth, "Admissions" has been a most crucial area of the work of the office. In the early Spring Mr. B. G. Browning was appointed head of Admissions, replacing Mr. G. L. Amyot. Mr. Browning's experience in secondary schools and in the educational arm of the Services will be of value in the transition from admission policies of the past based on Grade 13 only, to admission based on broader concepts.

The wisdom, humanity and dedication of the Associate Registrar, Miss Margaret May, have continued to be the backbone of our organization. It is to her credit that the increasing numbers of seasonal peaks have been contained by a loyal and hard-pressed staff, and her selflessness in giving her time to students' problems and affairs is without equal.

## DEPARTMENT OF THE DEAN OF MEN

Report of the Dean

Mr. T. L. Hoskin

### Enrollment of Men

In 1966-67 there were 7,167 full-time graduate and undergraduate students in the colleges and schools of the constituent University. Of these 4,883 (68%) were men. This is an increase of almost 1,000 men over the previous year.

When the enrollment figures for part-time students and the affiliated colleges are included the total for men and women becomes 12,432, of which 7,843 (63%) were men.

### Counselling

The earlier student problems, academic or personal, are identified, the easier it is to do something about them. Students should be encouraged to ask questions and seek help whenever they need it because this is the best way to prevent student problems from producing problem students. The co-operation of faculty members in making early referrals to this office is very much appreciated. This office provides a number of student services and maintains close liaison with other university and community sources which provide services for students.

The University Physician and the members of his capable staff have been particularly helpful in accepting referrals on short notice and arranging promptly for the diagnosis and treatment of a small, but very special, group of students with emotional problems. The work of Dr. John Thurlow in this area of the Health Service has been very much appreciated by this Department.

During the year, a hard-working committee chaired by Dr. R. N. Shervill, Dean of Middlesex College, recommended the establishing of a programme of academic counselling for freshmen. A pilot

programme effective July 1, 1967, was approved with financial support from The Board of Governors and from The Atkinson Foundation. The Dean of Men gives strong support to this plan to provide better academic counselling services.

### Student Financial Assistance

Mr. A. E. D. MacKenzie, Awards Officer, reports that in 1966-67 full-time graduate and undergraduate students received a total of \$2,893,235 from 4,195 awards in the form of scholarships, bursaries, grants and loans. Table I shows an analysis by course, year, and type of award.

The majority of student-aid funds came from the new Ontario Student Awards Programme. Applications were accepted from full-time students in any approved post-secondary institution in the Province of Ontario and the applications were processed by an overworked and often harassed staff in the Department of University Affairs. The Awards Officer at each Ontario university received a copy of the application form for information and with it the Department's Need Assessment Report. In this first year of operation there were so many appeals submitted by the applicants that the Department of University Affairs permitted the Awards Officers to handle the appeals and eventually it was agreed that in 1967-68 the whole application procedure will be decentralized with each University Awards Officer receiving and assessing the applications of students registered at his university.

Besides the Province of Ontario Student Awards Programme, there were 185 other sources of aid from funds inside and outside the University. In March of each year reports are sent to all donors giving at least the names, courses, and addresses of the holders of their awards. Several students asked the Awards Officer to forward their letters of thanks with the report and most donors seemed to appreciate this very much.

There is a trend towards three main types of undergraduate awards - scholarships to recognize outstanding academic achievement, grants for students who cannot continue their studies without financial aid, and loans for students who cannot meet their financial needs through grants and scholarships. Bursaries with the requirement of a B average or better are gradually being incorporated into programmes of student-aid grants. Loans are beginning to represent an ever-decreasing proportion of student aid but it is highly unlikely that they will ever disappear completely as a source of aid to meet special cases of need.

In the light of these trends it is recommended that:



TABLE 1 - STUDENT AID SUMMARY, 1966-67

Number in Course	Course and Year	BURSARIES AND GRANTS INCL. ONTARIO GRANTS		SCHOLARSHIPS INCL. ONTARIO SCHOLARS		OTHER AWARDS BY FIRMS GOVT. DEPTS. ETC. MAKING OWN SELECTIONS		LOANS		GRAND TOTALS	
		Number	Value \$	Number	Value \$	Number	Value \$	Number	Value \$	Number of Awards	Total Assistance
3,617	Arts Totals (see Table 2)	1,136	303,524.	323	129,393.	71	33,818.	1,548	750,107.	3,078	1,216,842.
507	Science I	229	56,716.	147	50,430.	11	6,052.	164	66,770.	551	179,968.
372	" II	158	24,906.	33	13,428.	8	3,075.	135	54,406.	334	95,815.
242	" III	111	18,404.	14	5,705.	7	2,885.	103	44,885.	235	71,879.
81	" IV	39	8,201.	13	3,365.	4	1,282.	39	11,015.	95	23,863.
1,202	" Totals	537	108,227.	207	72,928.	30	13,294.	441	177,076.	1,215	371,525.
124	Engineering I	46	9,733.	15	5,700.	8	4,537.	52	23,340.	121	43,310.
68	" II	40	7,798.	7	2,900.	6	4,000.	27	13,620.	80	28,318.
54	" III	34	6,384.	3	1,850.	4	2,400.	23	12,745.	64	23,379.
48	" IV	31	6,459.	6	2,350.	5	3,600.	19	12,185.	61	24,594.
294	" Totals	151	30,374.	31	12,800.	23	14,537.	121	61,890.	326	119,601.
70	Law I	50	12,298.	2	1,000.	-	-	29	19,873.	81	33,171.
74	" II	40	13,846.	-	-	3	1,627.	31	23,405.	74	38,878.
47	" III	39	10,916.	4	400.	-	-	19	17,455.	62	28,771.
191	" Totals	129	37,060.	6	1,400.	3	1,627.	79	60,733.	217	100,820.
77	Medicine I	65	14,711.	10	5,060.	2	1,450.	35	21,575.	112	42,796.
72	" II	53	14,059.	6	4,160.	11	4,725.	33	19,355.	103	42,299.
56	" III	43	8,241.	6	775.	10	4,402.	22	17,815.	81	31,233.
59	" IV	36	8,531.	5	1,025.	5	3,610.	25	13,535.	71	26,701.
264	" Totals	197	45,542.	27	11,020.	28	14,187.	115	72,280.	367	143,029.
247	Nursing	34	11,265.	20	11,565.	118	197,060.	79	36,520.	251	256,410.
283	Althouse	68	22,300.	2	900.	99	24,499.	86	48,430.	255	96,129.
6,098	Totals Undergrads.	2,252	558,292.	616	240,006.	372	299,022.	2,469	1,207,036.	5,709	2,304,356.
280	M.B.A.	59	19,415.	6	3,775.	33	17,184.	90	62,910.	188	103,284.
677	Other Grads.	99	24,396.	2	1,350.	303	420,825.	103	39,024.	507	485,595.
957	Totals Grads.	158	43,811.	8	5,125.	336	438,009.	193	101,934.	695	588,879.
7,055	Grand Totals	2,410	602,103.	624	245,131.	708	737,031.	2,662	1,308,970.	6,404	2,893,235.

- (i) A review of all UWO Bursary and Loan Funds be made to ensure the best possible use of the funds available.
- (ii) Where possible, funds be made available for scholarships, preferably at the undergraduate level.
- (iii) The financial problems of foreign students, particularly in the first month when many have inadequate funds to pay board, tuition, and books, be studied by the academic departments concerned.

### Placement and Off-Campus Housing

The Placement Service and the Off-Campus Housing Service were, prior to July 1, 1966, separate functions operating as part-time student services under the control of the Dean of Men and the Dean of Women. On July 1, 1966 the Placement and Off-Campus Housing Services were combined to operate on a 12-month basis under the management of a Director. The Director reports to the Dean of Men.

The permanent office staff consists of an Assistant to the Director and a Secretary. Additional part-time staff is recruited to meet the increased work load during peak periods.

The period April to September each year is devoted to Off-Campus Housing for summer school and full-time students. The period October to March is devoted to Placement for both graduates and undergraduates.

### Off-Campus Housing

Owing to the increased enrollment at Western, which resulted in a general increase in the number of students seeking off-campus accommodation, a significant change in the housing information services offered to students was introduced during July, 1966. The personal interview method used in previous years to place students in off-campus housing was discontinued and a listing service was inaugurated.

This listing service reduced appreciably the work load associated with the personal interview system. In addition, the waiting time required of the students and their parents was reduced significantly. The listing service also provided the students with a wide choice of available accommodations at a price range selected by the individual student.

The listing service is basically a self-help programme; the

University provides the required data on housing and the students select accommodations which meet their needs and budget. A total of 1,705 students used the Off-Campus Housing Service this year.

Table II

REGISTRATIONS - - OFF CAMPUS HOUSING

<u>Male Students</u>					<u>Female Students</u>					
<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>	<u>4th Year</u>	<u>Grad. Stdts.</u>	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>	<u>4th Year</u>	<u>Grads &amp; Nurses</u>	
476	226	196	46	272	163	133	68	20	105	
					MALE					1,216
					FEMALE					<u>489</u>
					TOTAL					1,705 Students

In order to assist the students in the selection of accommodations in terms of distance from the campus and kind of housing desired, the City of London has been divided into three zones. The Zone designations are White, Blue and Pink. The White Zone is that area within 1 1/2 miles of the campus, the Blue Zone is the area from 1 1/2 to 2 1/2 miles to the campus and the Pink Zone is the area from 2 1/2 miles to the City limits. Accommodation is classified in five well-defined types.

The printed lists giving the details of available housing are colour coded according to zone. The type of accommodation in each zone is coded and grouped accordingly.

Each student using the Off-Campus Housing Service registers at the Housing Office, selects the appropriate coloured listing, is provided with a map of the City and begins to search for a place to live.

The housing lists are updated daily through a feed-back form submitted by the students and home owners.

Placement

The 1966-67 Placement Programme was conducted in three phases. Phase I which occupied the period November 7 to November 16, 1966, was scheduled for Engineering and Natural Science undergraduate and graduate students seeking permanent and summer employment. One hundred and thirty-nine companies representing 13 industrial and business

fields conducted 1754 on-campus interviews during Phase I. A detailed summary of the Phase I interviews is shown in Table III.

Phase II which occupied the period January 6 to February 17, 1967, was scheduled for undergraduate and graduate Arts students seeking permanent and summer employment. Here 105 employers representing government, business, and industry conducted 1,840 on-campus interviews. A detailed summary of the Phase II interviews is shown in Table IV.

Phase III of the Placement Programme which occupied the period February 27 to March 31, 1967 was scheduled for those School Boards seeking graduates for Secondary School teaching positions. Phase III was conducted in two stages. The first stage was conducted by Althouse College of Education and comprised a series of interview schedules at Althouse College during the period March 3 to March 14. During the period March 3 to 14, 87 school boards conducted 1,310 interviews.

The second stage of the teacher placement programme which started on March 15 and ended March 31 was a direct mail advertisement to 120 selected secondary school principals in the Western Ontario region. The direct mail advertisement was a listing of 160 graduates seeking teaching positions in the secondary school system.

Non-Scheduled Placement is defined as placement activities involving direct applications for employment in response to enquiries received from business and industry. Non-Scheduled Placement comprises both summer and regular employment for undergraduates and graduates. The peak periods for Non-Scheduled Placement are during September for summer graduates, and March through April for full-time students.

During October, 1966, 216 candidates wrote the Junior Executive Officer and Foreign Service Officer examinations. Of the 216 candidates 66 were interviewed for JEO positions and 34 were interviewed for FSO positions.

In February, 1967, representatives from the Federal and Provincial Governments interviewed undergraduates for summer employment for the Canadian Pavilion and the Ontario Pavilion Expo 67. The representatives for the Canadian Pavilion interviewed 36 candidates and out of those interviews three students were selected for summer employment. The representatives for the Ontario Pavilion interviewed 67 students and of this number seven students were selected for summer employment at Expo 67.

SUMMARY OF INTERVIEWS: - ENGINEERING & SCIENCE

NOV. 7 to DEC. 16/66

PLACEMENT SERVICES

Employment Field	Number of Companies	PLACEMENT SERVICES										TOTAL			
		Engineering Science Mech Civil Elect Chem	Astronomy BA BSC MA	Biology BA BSC MA PHD	Chemistry BA BSC MA PHD	Computer Science BA BSC MA	Geology BA BSC MA	Geophysics BSC MA PHD	Mathematics BA BSC MA PHD	Physics BA BSC MA PHD	Zoology BA BSC MA				
Petroleum	18	24 25 16 93		1	24 1 8	20 25	9 12	11 9 5	22 5	15	2				327
Mining	12	9 3 6 17			5 1 3	2 1	15 1	1							64
Manufacturing (Non Durable)	36	42 18 49 165		3	5 16 18 29	28 41			15 2 3	5 4			17 1		461
Manufacturing (Durable)	30	88 23 105 21	4	1	8 5 1	34 52		1	18 12 7	10 12 2			6		410
Transportation	3	3 12 17				1 4			1						38
Communication	1	3 3 18			3	5			9 1	4					46
Government	9	14 31 35 6	3	11 5	2 10 2 5	5 10 1		1	6 8 2	4 9 1 5			3		183
Retail Trade	1	1 1 2				1			4				1		9
	6	5 2			1	10 6			9 2 1	3 1 1			11		52
	7					13 6			18 39 12	1 1					90
Service	11	4 21 6 4			1 3 3	7 2			2 3	1 4 2			2		67
Education	5	1 1		1	2				1						7
Totals	139	189 137 263 308	7	46 6 1	20 62 26 48	121 152 1	24 13 1	11 11 5	81 85 36	29 46 4 9			29 12		1754

TABLE IV

SUMMARY OF INTERVIEWS: ARTS

JANUARY 6 - FEBRUARY 17

THE UNIVERSITY OF WESTERN ONTARIO

PLACEMENT SERVICE

EMPLOYMENT FIELD	NO. OF COMP.	Economics		Pol. Science		Romance Lang.		English		Philosophy		History		Psychology		Sociology		Geography		Home Econ.		Sec. Science		Phre		Journalism		TOTAL
		BA	HON MA PHD	BA	HON MA PHD	BA	HON MA PHD	BA	HON MA PHD	BA	HON MA PHD	BA	HON MA PHD	BA	HON MA PHD	BA	HON MA PHD	BA	HON MA PHD	BA	HON MA PHD	BA	HON MA PHD	DIP	HON MA PHD			
Petroleum	4	45	7 11	11		10	1	14	1	13												3					118	
Mining	1	3		1		3		1		2												1					12	
Manufacturing (Non Durable)	25	84	12 2	5 1	1 3	84 2	10 2	68 3	94	3												28					406	
Manufacturing (Durable)	13	51	12 10	2 1	3	34	3	37 8	47	1												20					231	
Construction																												
Transportation	1	7	2 2	1	1	5		9 1	5																		35	
Communication	1	10	5 3	2	2	13	1	4 1	8														3				53	
Government	5	23	7 10	6 1	14 4	31 2		19 6	43 3	3												4			3		189	
Retail Trade	8	19	3 6	7	3 2	40 2	2	42 1	44	1												3					178	
Finance	21	100	15 16	2 1	3 3	52 1	10 1	19 9	41 1													11			1		285	
Insurance	16	34	11 6	2 1	2	21 1	7	17	23	1												4			3		133	
Service	5	2	1	1 1		26 2		5 1	37 2	2												3			8 1		97	
Education	5	5	1	3 1		9		5	31 1																		30	
TOTALS	105	384	76 66	40 8	29 9	328 11	33 1	240 31	360 7	11												80			15 1		1840	

In co-operation with the Faculty of Engineering Science, the 1967 Engineering Intern Programme was inaugurated during April. Preliminary letters explaining the programme were mailed to 150 employers throughout the Western Ontario region. A follow-up list of 50 first and second-year Engineering Science graduates was mailed to the 150 companies concerned.

The requirement to improve communication between the Placement Service and the student body was, in part, received through the assignment of liaison representatives from each of the academic departments. In response to a request from the Placement Director, the departmental heads assigned a number of their staff for liaison duties. The list of departments and their representatives is as follows:

<u>Department</u>	<u>Representative</u>
Botany	Dr. C. J. Hickman
Engineering	Professor L. S. Lauchland
Geophysics	Dr. A. E. Beck
Geology	Dr. C. C. Winder
Chemistry	Dr. R. A. Haines
Zoology	Dr. R. R. Stinson
Physics	Dr. R. Hay
Mathematics (Div. 1)	Dr. L. S. F. Ritcey
Mathematics (Div. 2)	Professor D. R. Miller
English	Professor V. Hoar
History	Professor J. R. Gwynne- Timothy
Romance Languages	Dr. R. W. Torrens
Classics	Mr. A. R. Littlewood
Economics	Dr. D. Bond
Geography	Mr. S. Byles
Computer Science	Mr. B. Arnett
Secretarial Science	Mrs. B. Ward
Brescia College	Mother St. Paul
Huron College	Miss J. C. Ridley
King's College	Professor J. Snyder

The expanded Placement facilities approved in June 1966 were completed during October 1966. The expanded facilities consist of seven interview rooms and an administrative office. In addition, four large notice boards were placed in the approaches to the Placement Office and several built-in counters and clip-boards arrangements were constructed inside the Administrative Office. The increased space and built-in facilities provided the environment necessary for an efficient Placement Service.

The seven new interview rooms were used continuously for Placement during the period November 1, 1966 to March 1, 1967. After March 1, the rooms were allocated to the P.H.R.E. Department as graduate study rooms.

During the Scheduled Placement Period, the new interview rooms met, in part, the demand for interview space. It was necessary, in peak periods, to utilize other accommodations in the College of Science and in Thames Hall.

The Director of Placement and Off-Campus Housing, Mr. J. W. Buckingham, has asked me to express his thanks for the co-operation and assistance he has received from members of faculty and staff.

### Fraternities

The eight fraternities and Delta Colony of Phi Gamma Delta at Western had another excellent year in scholarship. The Chapter averages were each above the all-men's average in the University. Phi Delta Theta received an International Award for the greatest improvement in scholarship registered in any of its 124 chapters. Epsilon Omicron Chapter of Sigma Chi won the Order of the Scroll for excellence in chapter scholarship and stood fourteenth among 140 Sigma Chi Chapters in the United States and Canada. Beta Sigma Rho won the Northern Life Trophy for the best record of chapter scholarship in the fraternities at Western, and Alpha Kappa Kappa was a close second.

During the year, the Interfraternity Council directed a programme of participation in such community projects as the United Appeal, the Heart Fund, and the Red Cross Blood Bank. Besides this, individual fraternities provided Christmas parties for orphans and entertainment for elder citizens.

### Foreign Students

During the academic year 1966-67, 242 foreign students of whom 156 were graduate students, enrolled at this university. The countries with the largest representation were as follows:

United States	48
United Kingdom	36
Hong Kong	25
India	26
Taiwan	21

The Overseas Student Reception Committee, under the student



leadership of Mr. Paul Kiteley, endeavoured to meet the new arrivals, assist them in finding permanent accommodation and introduce them to the university.

In March, 1967, Mr. A. E. D. MacKenzie, Assistant to the Dean of Men, was named Foreign Student Advisor. Although the position was not new, Mr. MacKenzie has been able to increase the frame of reference for this position and to establish closer liaison with the various student and faculty groups on campus, and the members of the local community who are interested in foreign students.

An Advisory Committee to the Foreign Student Advisor has been established with representatives from the following organizations:

Advisory Committee on International Education  
 Affiliated Colleges  
 African Students' Foundation  
 Crossroads Africa  
 Friendly Relations with Overseas Students  
 International Students' Club  
 Society of Graduate Students  
 University Students' Council  
 World University Service of Canada  
 (Overseas Reception Committee)

Once again, there were more offers of hospitality at Christmas time than could be used by our foreign students. The genuine interest that the London community has shown in students from other countries is very much appreciated.

### Medway Hall

The following were on the staff of Medway Hall in 1966-67:

Warden of Men's Residences:	W. Cameron Henry, Ph.D.
Dons:	Douglas Parker, B.A. Andrew D. Henderson, B.A. Peter Neary, Ph.D.
Secretary:	Mrs. K. Burgess

Also associated with the residence were ten distinguished members of faculty who accepted the honour of being appointed "Fellows of Medway Hall":

- W. Balderston, Ph.D. Associate Professor and Acting Head  
Department of History  
University College
- J. H. Blackwell,  
M.Sc., Ph.D. Senior Professor and Chairman  
Applied Mathematics  
College of Science
- T. J. Casaubon, B.A. Assistant Dean  
Althouse College of Education
- R. W. Packer,  
M.A., F.R.C.S. Professor  
Department of Geography  
Middlesex College
- E. G. Pleva,  
M.A., Ph.D. Professor and Head  
Department of Geography  
Middlesex College
- E. R. Plunkett,  
M.D., Ph.D. Associate Professor  
Medical Research, Medicine,  
Obstetrics and Gynaecology  
Collip Laboratory
- G. L. Reuber,  
M.A., Ph.D. Professor and Head  
Department of Economics and  
Sociology  
University College
- J. A. F. Stevenson,  
M.D., C.M. Professor and Head  
Department of Physiology  
Faculty of Medicine
- H. B. Stewart,  
M.D., Ph.D. Professor and Head  
Department of Biochemistry  
Faculty of Medicine
- T. Urquhart,  
O.S.A., A.R.C.A. Artist  
Hamilton, Ontario

Honorary Residence Fellow

Brigadier the Honourable Warden of Medway Hall  
Milton Fowler Gregg, V.C.,  
C.B.E., M.C., E.D.

Sydenham Hall

The following were on the staff at Sydenham Hall in 1966-67:

Warden of Men's Residences: W. Cameron Henry, Ph.D.

Proctor: Donald R. Miller, Ph.D.

Dons: Ian Pemberton, B.A.  
Petre Zaloudik, Ph.D.  
James Ellers, M.A.

Secretary: Mrs. Grace Spencer

Also associated with the residence were ten distinguished members of the faculty who accepted the honour of being appointed "Fellows of Sydenham Hall".

D. E. Bond,  
M.A., Ph.D.

Assistant Professor  
Department of Economics  
University College

J. Havelka,  
M.A., Ph.D., M.Sc.

Associate Professor  
Department of Psychology  
Middlesex College

L. Ignatieff,  
M.A., Ph.D.

Professor  
Department of Russian Studies  
Talbot College

A. H. Johnson,  
M.A., Ph.D., F.R.S.C.

Senior Professor  
Department of Philosophy  
University College

W. J. L'Heureux,  
M.A.

Professor and Head  
Department of Physical and  
Health Education  
Thames Hall

R. G. E. Murray,  
M.A., M.D., C.M.

Professor and Head  
Department of Bacteriology  
and Immunology  
Faculty of Medicine, M.S.

J. G. Rowe,  
B.D., M.A., Ph.D.

Dean of Talbot College  
Professor of History

R. H. Stinson,  
Ph. D.

Professor  
Department of Zoology  
College of Science

W. A. Thompson,  
M. B. A.

Associate Dean  
School of Business  
Administration

W. H. Wehlau,  
A. E., Ph. D.

Professor and Head  
Department of Astronomy  
Director of the Observatory  
College of Science

During the summer of 1967, 243 summer school students, 31 graduate students, 90 other students, and 1,117 persons in special groups, were accommodated in Medway Hall and Sydenham Hall. The applications and other administrative details involved with summer occupancy of these two Residences were directed by Mr. R. A. Virtue, Business Manager of Residences, and his capable staff.

## DEPARTMENT OF THE DEAN OF WOMEN

Report of the Dean

Dr. Leola E. Neal

In the Registrar's report the registration figures are given in detail. However, it is of interest to summarize the facts about the registration of women, and your attention is directed here to full-time students only. Of the 8,069 full-time men and women, 2,874 or 35.62% were women, and they were distributed throughout every Faculty and School in the following way: 1,886 in the Faculty of Arts and Science; 6 in the School of Business Administration; 1 in the Faculty of Dentistry; 4 in the Faculty of Engineering Science; 3 in the Faculty of Law; 40 in the Faculty of Medicine; 243 in the School of Nursing; 111 in the Faculty of Graduate Studies; 124 at Althouse College of Education. Of the 558 students registered in Affiliated Colleges, 456 were women.

In 1965-66 in the Constituent University there were 1,998 full-time women students. This year there were 2,418 or an increase of 34.3%, as compared with 19.1% the previous year. The number of students increased by 11.1% overall, while the women students increased by 21%. These statistics simply reflect the trend in Canadian universities.

### Student Activities

The women students have been active in campus affairs. They served on the executives of the College Councils and various clubs. They were mixed up in newsprint and greasepaint. A few were outstanding athletes and many others took part in the well-organized intramural athletic programme for fun and relaxation.

One group, namely the Arts and Science Undergraduate Women's Organization deserves special mention. It provided an excellent orientation programme for freshettes, sponsored a Fashion Show, the Co-ed Ball and gave a bursary for a woman student.

The three Greekletter organizations had a successful year.

The total membership was 138, ten fewer than in 1965-66. The quality point academic average for women was 1,830; for men 1,523 and of the 11 sororities and fraternities, the women's groups ranked second, fourth and fifth.

Many of the women students had excellent academic records and they have won more than their share of scholarships. Of the 587 men and women (graduates and undergraduates) on the Deans' Honors List in June 219 of them or 37.3% were women.

### The Residences

The most spectacular event in this Department this year was the opening of Delaware Hall, the second women's residence.

It is generally believed that a residence hall reflects the university's attitudes and values. When the new women's residence was projected it was expected that it would last for several generations and be in keeping with the existing residences on campus. As well, it would command respect and create an atmosphere in which students would be reasonably content, value old traditions and create new ones suitable for a modern setting. It was not meant simply as a hostel or shelter where one might have a bed and partake of food but it was to be part and parcel of university life. Through it and because of it a student would have her life enriched socially, morally and culturally. Let us hope we have not been idle dreamers or redundant.

The opening of Delaware Hall was eagerly anticipated and its completion was slated for August 1, 1966. Unfortunately a strike fouled the plans and it was disappointing indeed to face the fact that it would not be completed in September. In fact, only two wings were ready for occupancy when students arrived. Those who had been accepted for residence were advised of our dilemma and with their knowledge, students were placed two in a single room, three in a double or in lounges and studies. There were 53 students (including the 8 House Seniors) in lounges or studies. Rooms in another wing became available in October 16 and by November 11 all of these students were in their own quarters. During the first week it was necessary for students to have their meals at Medway Hall and Sydenham Hall. This was no hardship!

With the building still under construction and workmen everywhere at odd times it was a hectic first year. It took months to tidy up details and in the process with 422 students in residence there were the comic, the tragic and the magnificent moments. At times in order to survive it took courage, tolerance, imagination and superb team work. We are forever indebted to a great many people. Dr. Helen Allison, the

Warden, whose "keep calm" philosophy, administrative skill, and genius for making friends and influencing people provided the leadership. Associated with her were capable residence and household staffs. The Dons, especially Miss Anne Richman, a very effective administrative assistant, the House Seniors, the Residents' Council under the presidency of Miss Heather Pooley, kept the morale high and welded the group into a homogenous unit. The residents themselves will long be remembered for their cooperation, consideration of others and for their, on the whole, good humour. They literally helped build Delaware Hall and provided many splendid traditions. This would not have been possible without the assistance of Mr. J. Shortreed's staff, especially Miss B. McLeod, Mr. T. Kobal, and Mrs. C. Gerrish and Mr. G. A. Bullas' staff, Mr. H. Backs and Mr. K. Rauh.

Among the many social events one special occasion deserves mention, namely the Christmas dinner which signalled the formal opening of the residence. The guests on that occasion were Dr. Dorothy Turville, Miss Kate Gillespie, the four members of the original planning committee and the members of the Women's Residences Advisory Committee with their wives.

A number of magnificent gifts have been received and it is a pleasant duty to acknowledge them and thank the individual donors:

A Yamaha grand piano for the formal lounge from Dr. Dorothy Turville;

20 silver trophies won by the late Olga A. Miller and a painting (Yet to be selected) from Miss Helen Miller (sister);

The Centennial Edition of the Encyclopedia Canadiana from Miss Kate Gillespie;

The 1966 Edition of the Encyclopedia Britannica in 23 volumes, the Britannica World Atlas and Webster's Third International Dictionary (three volumes), other standard reference volumes in the latest editions, and numerous volumes for general reading from Dr. Helen M. B. Allison, Warden;

Two electric sewing machines and \$690.00 toward the cost of converting and equipping an activities room from the Delaware Hall Residents' Council.

The first women's residence, Spencer Hall, had a successful year with Miss Jane Robertson as Warden. Miss Robertson was a

responsible, capable and gracious Warden. In the spring she helped to plan the renovations at Spencer Hall and assisted with the programme at Delaware Hall when there were special groups in residence and the Warden was on vacation. Her resignation was accepted with regret.

The residents were from many faculties and schools but priority was given to first year women because they are likely to gain most from the experience. Most of the residents were from Ontario but at Delaware Hall, 10 were from other countries, Ghana, England, Trinidad W.I., U.S.A., Japan, Singapore, Hong Kong, Denmark and Taiwan.

The number of applications for residences continues to increase but because students apply to several universities, 1,163 applications were required to fill the two residences. However, residence halls are popular and fill a real need and The Board of Governors is to be commended for its plans to increase this type of accommodation. A new complex has been under study for several years and it is hoped plans for it will be finalized before the end of the academic year.

The number of women students in Spencer Hall during the Summer School period was disappointing. Of the 17 students, 5 were registered at Althouse College of Education. On September 12 and 13, 18 boys and 13 girls (with two married couples as chaperones) from Elliot Lake Secondary School stayed in residence. It was decided to change the policy and house men at Spencer Hall in the summer of 1967 and women at Delaware Hall.

Nine senior faculty members were appointed for a one-year period as Fellows of Delaware Hall. They are:

- Miss R. Catherine Aikin, Dean, School of Nursing;
- Miss Angela M. Armitt, Director of Summer School and Extension;
- Dr. Betty Bandeen, Associate Professor, Department of English;
- Dr. Helen I. Battle, Professor, Department of Zoology;
- Mrs. Elfrida Berzins, Associate Professor, Department of Physical and Health Education;
- Dr. Carol Buck, Professor and Chairman, Department of Community Medicine;
- Mrs. Elaine Chapman, Associate Professor, Department of Secretarial Science;
- Dr. Dorothy R. Jones, Assistant Professor, Department of French;
- Dr. Mary J. Wright, Professor and Head, Department of Psychology.



A grant of \$350.00 was received from the Neathern Foundation to sponsor a series of counselling lectures for the Wardens, Dons and House Seniors. The course proved to be stimulating and rewarding. Our gratitude is expressed to the Directors of the Neathern Fund for their support of this project.

### Counselling

A great deal of my time was devoted to personal counselling. Students came to discuss their many and varied problems. It was often necessary to refer students to others, namely, the College Deans, the Faculty Advisors, the Physicians and Counsellor in the University Health Service, the Registrar, the Awards Officer, and the Director of Placement and Housing. Without the cooperation of many people, problems would not have been resolved to the students' satisfaction. The cooperation of all who helped in any way is recognized and appreciated.

### Personal comment

This report will be the last I will submit to you, Dr. Hall, as President, and I wish to express my appreciation of your many contributions to Western. You have been an able and inspired leader. You had a vision of a great University and with the help of the Board of Governors and your colleagues you have worked diligently to make it a reality and we are grateful to you. In particular, with respect to this department, I will always recall your deep interest in students and their welfare.

It has been a pleasure to be associated with you during this period of Western's truly phenomenal development. My best wishes go with you.

## UNIVERSITY HEALTH SERVICE

### Report of the University Physician

Dr. Richard J. Bowen

In the new quarters in Somerville House, the Health Service could better cope with the ever increasing demands for service of all kinds.

Office and waiting room space is adequate and the increasing number of students can be serviced in a more efficient manner.

The nurses area, storage facilities, and consulting room space, allows for quiet and private attention to the sick. Adequate bed space for men and women is available when needed.

It is ever the goal of the Department to maintain the work potential at a high level, in order that the students, despite the many pressures of life in general, may achieve academic success.

During the final examination period, the Health Service was open on Saturdays. Upon request the facilities were available for special occasions.

For completion, the regular hours are outlined:

1. During the first and second semester, the nurse was on duty at 8:30 a.m. to 4:30 p.m., with an additional nurse coming on duty at 1 to 4:30 p.m., Monday to Friday;
2. During the same period, a physician was present in the clinic from 10:30 a.m. to 12:30 p.m., Monday to Friday, with a second physician being present for the same hours Monday and Wednesday, and from 1:30 p.m. to 4:30 p.m., Monday to Friday.
3. During the Summer School, the nurse was on duty from 12 noon to 3:30 p.m., five days a week and a physician was available for consultation from 12:30 to 1:30 p.m.

4. For the balance of the summer the nurse was on duty daily from 12 noon to 3:30 p.m.

### Summer School

The increased enrollment at Summer School was noticed in the Health Service by reason of increased attendance. These Summer School students, it must be remembered, come from a heavy teaching assignment and immediately plunge into a concentrated academic programme when they are legitimately fatigued.

### General

During the year considerable respiratory infection was noticed with a slight increase in the incidence of Mononucleosis. Generally loss of time was not too great.

I am pleased to see so many of the Graduate School attending the Health Service. These students are year-round patients and greater continuity and completion of treatment is possible. Particular attention has been given to members of the Graduate School coming from the eastern hemisphere. Problems arising from our climate and occidental dietary habits accompanied by possible language barriers, cause considerable worry.

### Physical Examinations

The pre-registration medical examination form increases in value. Freshmen have not been examined by the University since it became effective. Transfer students are examined and, in this way, considerable medical information is made available to the Health Service.

It is the policy of the Health Service to review all medical examinations and call in those students having conditions needing assessment. Treatment is hereby initiated where indicated, in the hope that finalization of these present conditions may be effected where possible.

### Tuberculosis Survey

The tuberculosis survey was carried out at time of registration on all students. This course of action has been of great value from the stand-point of preventive medicine.

Under the direction of Dr. J. B. Robinson of Beck Memorial Sanatorium and his special team, the X-raying of all known positives was carried out. The invaluable co-ordination and other essential staff work was done by the secretarial staff of the Health Service. The follow-up is most important and is very thorough with marked continuous liaison being maintained.

<u>Diagnostic Referrals</u>	<u>1964-65</u>	<u>1965-66</u>	<u>1966-67</u>
Cardiac	-	1	1
Diagnostic X-rays	256	165	229
Treatment X-rays	45	25	31
Dermatologist	16	10	16
Orthopaedist	28	32	21
Psychiatrist	48	28	5 (2 Hospi- talized)
Allergist	9	6	7
Medical	62	19	29
Surgical	98	44	62
Endocrinologist	-	-	1
(Eye	96	55	56)
(Ear, Nose & Throat			15)
Dental	116	8	14
Gynaecologist	16	8	22
Neurological	-	5	2
Urological	-	5	5
Complete Blood Count	-	-	7
B.M.R.	-	-	1
Psychologist	-	13	50

### Statistical Survey

<u>Prophylactic Innoculations</u>	<u>1964-65</u>	<u>1965-66</u>	<u>1966-67</u>
Allergy Antigens Injections	674	587	710
(Typhus	66	68	51
(Cholera	-	-	28
Poliomyelitis Vaccine	63	9	92
Smallpox Vaccine	195	272	294
Staphylococcus Toxoid	2	4	13
Influenza Vaccine	-	-	9
T.A.B. T.	-	9	20
T.A.B.	-	-	682
Tet-Polio	298	233	215
Tet-Toxoid	51	41	60
Liver Injections	-	22	15
Gamma Globulin	-	-	2
Myocricin I. M. Injections	-	-	17

	<u>1964-65</u>	<u>1965-66</u>	<u>1966-67</u>
<u>Tests</u>			
Paul Bunnell	207	165	229
Wasserman	39	13	19
Schick	-	-	13

Attendance at Health Service

Summer School 1966	640 visits
Students - Sept. 1966 to June 1967	11, 838 visits
Staff - Sept. 1966 to June 1967	164 visits

Althouse CollegeSeptember 1966 to May 1967

Health Service visits	1, 149
Students referred to doctor	63
Insurance Claims	8

Summer School 1966-67

Health Service visits	162
Students referred to doctor	20

Student Insurance

No changes were made in student insurance in 1966-67. The diagnostic clause was found to be particularly valuable by the Health Service. Insurance claims processed by the Health Service office numbered 683.

Staff

Mrs. Jean Lindsay R.N. joined the staff of the Health Service during 1966-67 and assisted Mrs. Ruby Bond R.N. as a second nurse.

The clerical staff was increased by Mr. J. S. Barton serving as Administrative Assistant.

Althouse College Health Service continued under the capable direction of Mrs. J. Boughner R.N.

## Counselling Service

Dr. John Thurlow, student counsellor, was intensely busy during 1966-67 and in this department many students were helped with difficulties arising from academic life.

## Acknowledgements

The University physician was constantly supported by the kind consideration of the President, Vice-President in charge of Health Sciences, Comptroller, Registrar, Dean and Principals.

The emergency departments of both hospitals have rendered a great deal of service to students at all times.

## Comment

1. Double coverage on Monday and Wednesday mornings has greatly increased the effectiveness of the clinic.
2. Mental health was at a high level and neuropsychiatric disability was low.

# OFFICE OF THE COMPTROLLER

## Report of the Comptroller

Mr. R. R. Glover

The following review of the financial operations of the University for the year ended June 30, 1967 is based upon the audited statements prepared by the University's auditors, Clarkson, Gordon and Co.

### Revenue

Revenue from all sources for current operating purposes, exclusive of the Althouse College of Education, amounted to \$23,293,083 an increase of \$6,444,388 or 38% over the previous year. Revenue for educational and general purposes increased by \$5,646,565. The revenue from student fees, although 12% greater in amount at \$4,185,579, represented 20.5% of educational and general revenue compared to 25.1% in 1965-66, thus reflecting the declining significance of fees in the overall revenue picture.

The grant for maintenance and operating purposes from the Province of Ontario increased by \$2,561,315 to \$7,861,315. This represented 38.4% of total educational and general revenue compared to 35.8% for the previous year. The Province also supported scholarships and bursaries by means of a grant of \$86,000 for these purposes.

Assistance provided by the Federal Government was substantially greater at \$3,509,578. This amounted to \$523.00 per full-time student compared to \$245.00 a year earlier.

The City of London continued its generous support in the amount of \$150,000 - one half of which was credited to general revenue and the remainder to capital funds as in previous years.

Revenue from all other sources exclusive of research and ancillary operations increased by \$310,286 or 56.3% due to several factors.

## Expenses

Expenditures for academic instruction, libraries and research accounted for the greatest share of the University's ordinary and general expenses with 84.6% being spent for these purposes, compared to 84.2% in 1965-66. Administrative expenses remained constant at 3.0%, while operation and maintenance of the physical plant required 8.5% compared to 8.7% in the previous year.

## The Net Result of the Year's Operations

The combination of additional revenue from unpredicted sources and from savings arising from unfilled academic positions made it possible to end the year with an operating surplus of \$58,624.

For comparative purposes, the new operating results of the previous five years are given below:

1966	\$12,429	surplus
1965	12,569	surplus
1964	46,894	deficit
1963	4,077	surplus
1962	2,972	surplus

## Surplus

The balance in the accumulated surplus account not stands at \$105,796 including the credit arising from the year ended June 30, 1967.

## Research

The amount expended on research increased significantly to \$3,942,451\* an increase of 22.6% over the previous year. Comparative totals for the preceding five years are as follows:

<u>Years ended</u> <u>June 30</u>	<u>Gross Expenditures</u> <u>for Research</u> *
1966	\$3,216,062
1965	2,250,271
1964	2,012,429
1963	1,669,189
1962	1,525,119

\* Includes University sponsored research of \$68,646 which is reported under Academic expense in the summary statements.



The distribution of the 1966-67 research expenditures within the various faculties and schools is as follows:

<u>Faculty, School, Etc.</u>	<u>Gross Research Expenditures</u>	<u>% of Total</u>
Faculty of Medicine	\$1, 738, 965	44. 1
Faculty of Arts & Science	1, 516, 362	38. 5
Museums	179, 803	4. 6
School of Business Administration	125, 921	3. 2
Faculty of Engineering Science	337, 076	8. 5
Faculty of Dentistry	800	-
Miscellaneous	<u>43, 524</u>	<u>1. 1</u>
	<u>\$3, 942, 451</u>	<u>100. 0%</u>

### Ancillary Enterprises

The operations reported in this section are the Food Services, the Residences, the Book Store, the Health Services and Athletics. The objective in the operation of these activities is to break even, but increasing costs during the year made it impossible to achieve this objective. The Food Services in particular had a most difficult year due to rising food costs, delayed use of new facilities and expansion beyond immediate need. The result was, therefore, a loss of \$24, 978. The Residences operating under the handicap of an unfinished building (Delaware Hall) were unable to achieve full occupancy, but due to the increased residence rates the year was completed without a deficit. Athletics adhered to the authorized budget under which a modest deficit was permitted. The Book Store in new enlarged quarters enjoyed a substantial increase in sales, and a small operating surplus.

### New Faculties, Schools, etc.

In 1966-67 the first class was enrolled in the Faculty of Dentistry using temporary quarters while the permanent building was under construction. Students were also accepted in Talbot College for the first time in September 1966. Included in the 1966-67 statements are the organizational expenses of the School of Library and Information Science which will enrol its first class in the fall of 1967. During this year also, the Computing Centre became two separate departments - one engaged solely in teaching and research and the other, with the addition of a second computer, serving the needs of the Administration.

Althouse College of Education

In this, the second year of operation, Althouse College of Education enrolled 287 students as well as large summer classes. All phases of the College operated substantially below the estimated expense and as a result, an operating surplus of \$512,460 was recorded. The college operates on a somewhat different basis to the University itself, with by far the greatest source of revenue being the Ontario Department of Education.

Physical Plant

Expansion of the Physical Plant continued during the year with eleven projects in various stages of completion. Capital expenditure reached a total of \$8,644,242 in the twelve months ended June 30, 1967. A summary of the building programme follows:

<u>Buildings occupied during 1966-67</u>	<u>Estimated Final Cost</u>
Talbot College	\$2,970,000
Addition to Somerville House	1,786,000
Delaware Hall	3,900,000
Alumni Hall	2,288,000
Addition to Stevenson Hall	793,850
Addition to University College	1,042,150
Addition to Greenhouse	68,125

Although effective occupancy of the above buildings was achieved during 1966-67, a considerable amount of furniture and equipment was still to be installed as of June 30, 1967, thus a definite final cost figure was not available at that time.

<u>Buildings under construction at June 30, 1967, scheduled for completion during 1967-68</u>	<u>Authorized Cost</u>
Addition to the R. G. Ivey School of Business Administration	\$2,059,000
Temporary Building - School of Library and Information Science	229,000
Temporary Building - Faculty of Engineering Science	252,200
Faculty of Dentistry	8,430,000

<u>Buildings scheduled for construction beginning in 1967-68</u>	<u>Estimated Cost</u>
New Library	\$7,000,000
New Observatory	500,000
Addition to the Faculty of Law	1,125,000

## Financing of the Capital Programme

The principal source of funds for capital construction during 1966-67 was the Province of Ontario through the Ontario Universities' Capital Aid Corporation. From this source came \$6,075,000, or approximately 64.8% of the capital funds receipts in the year. Funds thus received were acknowledged by debentures issued by the University. These debentures will be repayable in thirty equal instalments, with interest at 5 1/2%. The Province of Ontario currently makes grants to the Department of University Affairs to cover these annual payments, and is expected to do so throughout the term. The other major source of funds for the University's share of capital costs was the receipt against pledges to the Western University Fund 1963 with \$908,645 being received in this way. Included was \$75,000 from the City of London, and as well capital grants from the Counties of Middlesex, Huron, Elgin, Lambton, Perth, Oxford and Kent.

In addition, capital funds for part of the construction costs of Delaware Hall were borrowed from Central Mortgage and Housing Corporation. The total borrowed in this manner to June 30, 1967 was \$2,000,000 and a further amount will be required to complete the structure.

The University received a generous donation from the Ivey Foundation toward the cost of the Addition to the R. G. Ivey School of Business Administration, thereby making it possible to proceed with this urgently needed Addition.

## Average Expenditure per Full-time Student

Although an overall average cost per student is admittedly a crude way of measuring the cost to educate a student, it is of interest to observe the trend over the past few years as shown in the following summary. The principal factors in this rapidly accelerating cost are the higher costs associated with instruction of graduate students, the increase in salary levels and the rapid growth of research expenditures.

<u>Years ended</u> <u>June 30</u>	Average Expenditure per Full-time Student		
	<u>Excluding Research</u>	<u>Research Only</u>	<u>Total *</u>
1967	\$2,350	\$577	\$2,927
1966	1,940	547	2,487
1965	1,732	426	2,158
1964	1,582	428	2,010
1963	1,470	412	1,882

\* Total University ordinary expenditures (excluding the Althouse College of Education).

Staff Benefits

In order to provide adequate retirement annuities for retiring members of staff, a substantial amount was again appropriated toward the funding of the University's share of the costs. As salaries increase so, of course, does the cost of annuities based on the salaries, and further increases in this area are inevitable.

Conclusion

It is, of course, impossible to cover all aspects of the University's finances in a summary of this length, especially as the magnitude and scope of the operation grows. Reference to the following statements will, however, provide further details and it will be a pleasure to answer specific questions should they arise.

### Comparative Statements of Revenue and Expense

The following statement shows in summary form the distribution of revenue and expense for the year, with comparative amounts for the previous year. Figures for the Althouse College of Education are not consolidated with those of the University, but are shown separately in a following statement.

	1966-67		1965-66	
	<u>Amount</u>	<u>%</u>	<u>Amount</u>	<u>%</u>
<u>Revenue</u>				
Student Academic Fees	\$ 4, 185, 579	20.47	\$ 3, 714, 084	25.09
Gifts for General and Specific Operating Purposes	134, 849	.65	76, 450	.51
Receipts from Services to Outside Organizations	390, 254	1.90	267, 794	1.81
Miscellaneous	28, 245	.14	23, 986	.14
Endowment Income for General Purposes	307, 690	1.50	182, 522	1.23
<u>Current Government Grants</u>				
(a) General Purposes				
Provincial	7, 861, 315	38.44	5, 300, 000	35.80
Federal	3, 509, 578	17.16	1, 434, 163	9.70
Municipal, City of London	75, 000	.38	75, 000	.50
	<u>\$11, 445, 893</u>	<u>55.98</u>	<u>\$ 6, 809, 163</u>	<u>46.00</u>
(b) Specific Purposes				
Expanded Graduate Studies Programme	-	-	460, 000	3.11
Scholarships & Bursaries	86, 000	.42	100, 000	.68
	<u>\$ 86, 000</u>	<u>.42</u>	<u>\$ 560, 000</u>	<u>3.79</u>
<u>Total Government Grants</u>	<u>\$11, 531, 893</u>	<u>56.40</u>	<u>\$ 7, 369, 163</u>	<u>49.79</u>
Sponsored or Assisted Research Funds	3, 873, 805	19.94	3, 171, 751	21.43
<u>Total Ordinary Revenue</u>	<u>\$20, 452, 315</u>	<u>100.00</u>	<u>\$14, 805, 750</u>	<u>100.00</u>
<u>Ancillary Enterprises</u>				
Revenue	<u>2, 840, 768</u>		<u>2, 042, 945</u>	
<u>Total Revenue</u>	<u>\$23, 293, 083</u>		<u>\$16, 848, 695</u>	

	1966-67		1965-66	
	<u>Amount</u>	<u>%</u>	<u>Amount</u>	<u>%</u>
<u>Expense</u>				
Academic	\$11,313,180	57.62	\$8,336,450	57.00
Libraries	1,422,567	7.25	812,130	5.55
Assisted Research	<u>3,873,805</u>	<u>19.73</u>	<u>3,171,751</u>	<u>21.69</u>
<u>Total Academic, Libraries and Research</u>	\$16,609,552	84.60	\$12,320,331	84.24
Administration	590,239	3.00	441,764	3.02
Alumni Affairs, Etc.	153,332	.78	78,136	.53
Plant Maintenance	1,669,459	8.50	1,273,382	8.70
Scholarships, Bursaries, Prizes	86,000	.44	100,000	.69
Miscellaneous	492,310	2.51	387,996	2.65
Net deficit on Ancillary Enterprises	<u>33,921</u>	<u>.17</u>	<u>23,497</u>	<u>.17</u>
<u>Total Ordinary Expense</u>	<u>\$19,634,813</u>	<u>100.00</u>	<u>\$14,625,106</u>	<u>100.00</u>
Extraordinary Operating Expense	758,878		168,215	
<u>Ancillary Enterprises</u>				
Expense	\$2,874,689		\$2,066,442	
Less net deficit	<u>33,921</u>		<u>23,497</u>	
	<u>\$2,840,768</u>		<u>\$2,042,945</u>	
<u>Total Expense</u>	<u>\$23,234,459</u>		<u>\$16,836,266</u>	
<u>Surplus (Deficit) for the year*</u>	<u>\$58,624</u>		<u>\$12,429</u>	

\* Carried forward

## Althouse College of Education

## Comparative Statements of Revenue and Expense

	1966-67		1965-66	
	<u>Amount</u>	<u>%</u>	<u>Amount</u>	<u>%</u>
<u>Revenue</u>				
Student Academic Fees	\$ 208,375	10.07	\$ 38,363	2.81
Current Government Grants				
Federal	123,911	5.99	37,998	2.78
Provincial	<u>1,736,000</u>	<u>83.94</u>	<u>1,290,000</u>	<u>94.41</u>
<u>Total Revenue</u>	<u>\$ 2,068,286</u>	<u>100.00</u>	<u>\$ 1,366,361</u>	<u>100.00</u>
<u>Expense</u>				
Academic	\$ 1,278,574	82.17	\$ 892,771	80.51
Library	<u>77,093</u>	<u>4.96</u>	<u>80,020</u>	<u>7.21</u>
Total Academic & Library	\$ 1,355,667	87.13	\$ 972,791	87.72
Administration	89,159	5.73	72,071	6.50
Plant Maintenance	105,825	6.80	57,949	5.23
Miscellaneous	<u>5,175</u>	<u>.34</u>	<u>6,026</u>	<u>.55</u>
<u>Total Expense</u>	<u>\$ 1,555,826</u>	<u>100.00</u>	<u>\$ 1,108,838</u>	<u>100.00</u>
<u>Surplus for the year *</u>	<u>\$ 512,460</u>		<u>\$ 257,523</u>	

\* Carried forward

## DEPARTMENT OF BUILDINGS AND GROUNDS

### Report of the Director of Physical Plant

Mr. John Shortreed

During the year, an expansion of the internal organization of the Department, which had been developing over several years, was formalized. The title of the Head was changed to Director of Physical Plant, and Mr. R. M. Yeo was promoted to Superintendent of Buildings and Grounds with responsibility for general departmental administration, operation and maintenance. Other promotions were:

R. A. Gonder to Associate Superintendent  
J. F. Higgins to Administrative Officer, and  
W. C. Sinkins, P.Eng., to Assistant Superintendent,  
Maintenance,

and a new appointee

A. W. Rowley, P.Eng., as Assistant Superintendent,  
Operation.

Three other new appointments were made reporting directly to the Head of the Department:

J. F. Crookes, C.A., as Accounts Officer  
O. Zamprogna, P.Eng., as Engineering Assistant  
C. F. Davies, A.R.I.B.A., as Staff Architect.

### Staff

During the fiscal year 1966-67, the staff of the Department of Buildings and Grounds averaged 357 regular and part-time employees. The regular staff was distributed as follows: professional and administrative 9, clerical and drafting 21, operative 68, maintenance 60, and caretaking 161.



## Reservations

Room scheduling for functions outside of the regular academic curriculum increased 50% in the twelve month period, resulting in the processing of over 12,000 applications. This office staff again assisted in revising the normal time-table to accommodate a large number of variations.

## Traffic and Parking

Vehicle permits were issued to approximately 2,700 students for the regular fall session, and to 1,700 for summer school. Faculty and staff under the rank of Assistant Professor, and administrative equivalents, were re-issued with permits for the "blue" areas.

A detailed comprehensive report on the present and future traffic and parking conditions and requirements on campus, submitted by De Leuw Cather and Company of Canada Limited, professional traffic consultants, was received by the Special Standing Committee on Parking. A sub-committee was appointed to make a detailed study of the report preparatory to producing a new set of parking and traffic regulations to be effected as soon as possible in the next fiscal year.

The Board of Governors approved the De Leuw Cather report in principle, thereby implementing the purchase and installation of automatic gates for all major lots, the installation of a number of parking meters, the construction of certain additional parking lots and the paving and lighting of all other lots. The capital expenditures, the maintenance of the lots and their control would be paid for by the parking fees from all staff and student drivers.

## Telephones

The University Centrex telephone system expanded considerably during the year, increasing from a total of 817 sets as of June 30, 1966 to 1,065 sets at June 30, 1967. In addition to these new sets, 205 existing phones were relocated by the Bell Telephone Company.

During the year, the Student Offices in Somerville House were included in the Centrex system and arrangements were made for the Althouse College of Education switchboard to be transferred to the University Centrex system. It is expected that the latter installation will be effected by the end of September, 1967.

## General Operation

The Department of Buildings and Grounds initiated an average of nineteen purchase requisitions each working day of the year for all phases of the year's operation. These requisitions resulted in the processing of 13,000 stores issue slips to a value of almost \$500,000.

In addition to normal maintenance, the completion of \$318,700 in building alterations and the capital fund projects, over 732 separate jobs were carried out for other departments within the University.

Preparations were made to automate the Accounting and Payroll sections of the Department by the use of keypunching and verifying equipment. It is planned that the new system will take effect July 1, 1967 and will be expanded to include the Departmental stores and inventory control during the following twelve months. As a result, exact current and detailed cost analyses figures will be almost immediately available.

## Alterations to Buildings

The programme of modernizing and improving fire prevention systems throughout the campus continued with further installations of fire alarm systems and supervised circuits. Approximately 85% of the gamewell circuitry, to buildings which have fire alarm systems, was completed. Emergency and night lighting was installed in Stevenson Hall and University College.

Additional offices and several miscellaneous rooms were created in Middlesex College for the Department of Psychology.

An existing stable on the former J. L. Smallman property, on Western Road near the Fourth Concession, was renovated for storage.

A number of individual room air-conditioning units were installed in the Biological and Geological Sciences Building, and nineteen growth light fixtures were installed in the newest Greenhouse for the Department of Botany.

Three new tennis courts were constructed directly north of, and adjoining, the present courts.

Additional bleachers were erected at both ends of the J. W. Little Memorial Stadium to provide seating for an additional 850 spectators.

Two classrooms, containing 161 seats each, were converted into laboratories for the Department of Botany and Zoology.

Extensive preparatory work for the new electron microscope was done in the Engineering Sciences Building.

Several rooms were remodelled and the general office enlarged at the College of Music.

An area in Thames Hall, vacated by the Department of Alumni Affairs, was altered and furnished to accommodate the University Placement Office and to provide better facilities for the Off-Campus Housing Offices.

The Post Office area in Somerville House was divided in order to provide temporary office space for the Purchasing Department which later moved into the new addition to Severson Hall.

Temporary offices were set up in the lower level of Alumni Hall for the Department of Library and Information Science.

The storage area behind the swimming pool in Thames Hall was renovated to house the Printing Department of the School of Business Administration until its new quarters are completed.

A T. V. Studio for video-taping of lectures and laboratory demonstrations was constructed in the Natural Sciences Centre.

A periodic table was designed and constructed in the large amphitheatre of the Natural Sciences Centre.

### Alterations to Grounds

The parking lots adjacent to the Chemistry Building and Talbot College were paved.

A new student parking area for 550 cars was constructed directly south of the Stadium lot, on the south side of Huron Street.

A path was built through 1140 Western Road connected to the rear of the Huron Street student lot, providing an easy walking route to Althouse College of Education.

A blacktop sidewalk was constructed between Westminster College and the east side of the Chemistry Building parking lot.

The road and the intersections south of the Physical Sciences Building were relocated.

The lighting was improved at the intersection south of University College, at the Richmond Street entrance to the Campus, and along the path to the Medway Hall parking lot.

### New Construction

The attached progress chart indicates the progress on the Capital Funds Programme. During the 1966-67 year, this programme exceeded \$9,035,000.

Full occupancies of Somerville House addition and Talbot College were obtained for the fall term of 1966 and both were officially accepted as complete in February, 1967 and December, 1966, respectively.

Although not completed, Delaware Hall was able to house a large number of female students in October, 1966. Almost full occupancy was available for the second term in January, 1967.

Alumni Hall was completed during the year; the official opening taking place on March 18, 1967.

The contract was awarded and good progress was made on the construction of the Dental Sciences Building. It is expected that completion will be as scheduled, and the building ready for full use by September, 1968.

The Stevenson Hall and University College additions were occupied during the winter and were officially accepted in the Spring.

### Library and Information Sciences

Tenders were called and a contract for \$253,292, awarded for a temporary building for the Department of Library and Information Sciences in May, 1967. The total capital expenditure was authorized for \$325,000.

The structure will be a single storey, "L" shaped building, and will be located south-west of the hockey rink.

The building which is expected to serve for three to four years is scheduled for completion in September, 1967. It has a gross area of 18,000 square feet on one floor which will house faculty offices, laboratories, demonstration and seminar rooms, a storage library, a student and faculty lounge and a rare book collection room.

### Addition to the School of Business Administration

Tenders were called and a contract awarded for an addition of 60,000 square feet to the Richard G. Ivey School of Business Administration Building, with a completion date scheduled for September, 1968. The total cost of construction and furnishings was authorized for \$2,059,000.

The new addition, which will adjoin the south side of the present building, doubling the total size of the school, will contain eight lecture rooms with a combined seating capacity for 943 students, nine seminar rooms, twenty-five multipurpose areas and a 484-seat amphitheatre with audio-visual aids, fully wired for closed circuit television. Library reading room space will be doubled and space provided for a future computer installation to expand teaching research programmes.

### Bio-Engineering Temporary Building

In May, 1967, tenders were called and a contract awarded for the construction of a Bio-Engineering Building with a total authorized expenditure of \$252,200.

This temporary building will adjoin the Wind Tunnel and will be generally similar in design. It will be used for the first Masters Programme in Environment Engineering and will contain research laboratories and accommodation for faculty and graduate students, space for bio-chemical process studies and work and storage areas for the Wind Tunnel.

## PLANNING

### Main Library

Approval in Principle, for the sum of \$7,000,000, was granted by the Department of University Affairs in October, 1966. Mr. R. E. Murphy, Architect, was commissioned to plan the building with Mr. John Andrews as a special architectural consultant. Mr. Keyes Metcalf, a long-time Librarian at Harvard, and more recently a noted library planner, has been consulted continually concerning library functions.

It is proposed that a Library will be built suitable for an enrollment of 12,000 and having at least a million volumes and space for 2,000 readers in addition to those now provided in the satellite libraries. As of June, 1967, preliminary plans were not available, but were in progress.

### Law School Addition

The proposed addition will approximately double the capacity of the Law School, mostly in offices, classrooms, and some student common areas. The new building is proposed to join on to the north and west sides of the present Law School. Tenders will be called in August, 1967 for completion in the fall of 1968.

### Observatory

Housing and Dome to house the 48" Telescope, which was ordered last year, and its ancillary equipment is being designed by A. B. Sanderson Company Limited, Victoria, British Columbia -- specialists in this field. A small service building is being designed in the Department of Buildings and Grounds by the staff Architect. It is anticipated that these will both be built in the next university year.

### Student Housing

With the co-operation of the Provincial Government, through the Ontario Student Housing Corporation, proposals were called for a Student Housing complex consisting of 1,200 beds for single students, 900 of which were for men and the remainder for women, 300 single bedroom married student quarters, and 100 two-bedroom married quarters. Ten proponents submitted a variety of schemes which were assessed from the users' point of view by the University Student Housing Committee, and for value by the Ontario Student Housing Corporation. The proposal by Ellis-Don Limited was considered the best from all points of view, and discussions were continued, to finalize details, by Ontario Student Housing Corporation. It is anticipated that work will start in the summer of 1967, and that approximately half of the facilities will be available in September, 1968. The total cost will be in the order of \$10,500,000.

The center consists of a T-shaped building 14 storeys high for single students, and a ten storey T-shaped structure for the single bedroom married quarters. There are also two three-floor walk-up buildings containing 99 two-bedroom apartments. The single students building will have approximately 10% of the beds in single rooms, the remainder will be two to a room. Each room will have air-conditioning and will be acoustically corrected with the use of carpet. The house size for both men and women will be 100 students, and each house will have a lounge, kitchenette, laundry, and trunk storage. There will also be co-educational lounges and dining rooms, as well as T.V. and Hi-Fi Rooms.

# 1962-1970 CAPITAL PROGRAM

THE DEPARTMENT OF BUILDINGS & GROUNDS PROGRESS REPORT FOR

PROJECT	APPROPRIATIONS (IN MILLIONS OF DOLLARS)		A	B	C	D	E
	CAPITAL PROGRAM	ESTABLISHED APPROPRIATION	PRELIM DISCUSS	PRELIMINARY PLANS	DETAIL WORKING DRAWINGS	CONSTN	FURNISHINGS
1 UNIVERSITY COLLEGE OFF. ADD.	305	305					
2 SYDENHAM HALL MEN'S RES.	2400	2400					
3 MEDICAL SCIENCES BUILDING	5500	5500					
4 SERVICES BUILDING	350	385					
5 MIDDLESEX COLLEGE ADDITION	675	690					
6 CHEMISTRY BUILDING	2500	3115					
7 BIOLOGICAL & GEOLOGICAL WING - INCL. GREENHOUSE	2000	2725					
8 PHYSICAL SCIENCES BLDG. REHAB.	300	500					
9 NATURAL SCIENCES BUILDING N-INCL. N CHILLER PLANT	1550	1852					
10 BOILERS, ETC.	257	257					
11 SOMERVILLE HOUSE ADDITION	1500	1800					
12 DELAWARE HALL	3200	3900					
13 TALBOT COLLEGE	2500	2970					
14 ALUMNI HALL	2000	2288					
15 GRADUATE COLLEGE	3300						
16 WOMEN'S PHRE. BUILDING	2600						
17 OBSERVATORY	500	560					
18 1600 BED RESIDENCE	2500	1069 PART OF 10500			BY OTHERS		
19 BUSINESS SCHOOL ADDITION	2100	2059					
20 ENGINEERING SCIENCE ADD.	4500						
21 UNIVERSITY COLLEGE ADD	1042	883					
22 LAWSON LIBRARY ALT	450						
23 ELECTRICAL SERVICES	275	310					
24 RECREATIONAL FACILITIES	125						
25 DENTAL BUILDING	8430	8430					
26 STEVENSON HALL ADD.	794	794					
27 LAW SCHOOL ADDITION	1125	1194					
28 NEW MAIN LIBRARY WE20	7000						
29 HEATING PLANT ADD.	988	988					
30 LIBRARY SCI. TEMP.	325						
31 BIO-ENGINEERING TEMP.	252						

LEGEND	PREVIOUS YEARS	1962 - 63	1963 - 64	1964 - 65	1965 - 66	1966 - 67
--------	----------------	-----------	-----------	-----------	-----------	-----------

- A. PRELIMINARY DISCUSSIONS - including committee work and preparation of a project planning guide.
- B. PRELIMINARY PLANS - showing functional layout to the approval of the departments concerned and the board.
- C. DETAIL WORKING DRAWINGS - information for and in liason with the architect and engineers up to and including the reception and assessment of tenders.
- D. CONSTRUCTION - control and approval of payments.
- E. FURNISHINGS - layout, design and purchase of furnishings and equipment in consultation with departments; to include all installations.

## ALUMNI ASSOCIATION

### Report of the President

Mr. Ward Cornell

This has been an extremely busy year for the Western Alumni.

I should like, first of all, to express my own personal thanks, as well as the thanks of the Council of the Association, to the permanent secretariat of our organization. Their work, on our behalf, has been outstanding. So, to Campbell MacDonald, George Hartwell, Dr. Turville, Dr. Burns, Doreen Burr and the personnel working for these people, our deep thanks for a job well done.

This past year saw the culmination of many projects that started long ago and, with their fruition, the Association embarks on a new era.

Alumni Hall has been opened; Spring Festival has moved to its new home with plans for the future which would have staggered the Executive Council of ten years ago; the Art Committee functions under the new ground rules and has started building a permanent collection; our communication with the Alumni has deepened with the appearance of a "new look" Gazette; our re-organized secretariat is functioning well and in offices located in Alumni Hall; new techniques were introduced into the Homecoming Weekend which greatly improved Alumni rapport with Alumni groups and the undergraduates; a new financial structure has made it possible for the Association to be of more valuable service to the undergraduate as well as the Alumni clubs; the Association approach to the Annual Giving Fund has changed and the success so far has been most gratifying; our direct contact with Alumni clubs through visits, and assistance from the Alumni Affairs Office, expanded greatly over former years -- and, today, the Association has revised its Constitution to make us more efficient for the future.

Perhaps the most significant development of the year for the Alumni was in the area of University government. If there was any



doubt about the important role that the Alumni could play in University affairs, it was shattered this year. Our committees played a major role in the work to create a new structure for the Senate, the Board of Governors and in the writing of a proposed new University Act. The Alumni point of view was always most carefully listened to because we represented an objective "off campus" position which was tempered with our affection and loyalty to our school. I believe that the special resolution passed by the Board of Governors and the many unsolicited comments we received from undergraduates and faculty have made it clear that the Alumni Association has an important and a growing role to play in University life.

There still is a lot to achieve but the success of achievement in this past year should be most encouraging to all of us, especially next year's President.

## MUSEUM OF INDIAN ARCHAEOLOGY AND PIONEER LIFE

### Report of the Curator

Dr. Wilfrid Jury

It is my privilege to submit a report of the year's work as carried on by the Museum of Indian Archaeology and Pioneer Life.

Museum displays, illustrating various aspects of Indian and Pioneer life, are now located on two floors in Middlesex College and continue to attract the attention of students, visitors to the University and a number of grade school classes.

Due to the reconstruction of two major historic sites, Sainte-Marie Among the Hurons and the Penetanguishene Naval and Military Establishments, in the Georgian Bay area, the Curator is absent from late April until October. As a result, no supervision of the displays is available. Also, unfortunately, the major display, a model of a neutral Indian Village, is now secluded in the new map room and rarely seen by the students or the public.

The Pioneer Village at Fanshawe is furnished with relics, owned by the University, of the pioneer days. This valuable collection is badly in need of expert supervision in order to increase and protect its educational value. The University of Western Ontario has, here, an opportunity to assist the Upper Thames Valley Conservation Authority and the community by offering this valuable contribution in visual education. It should be one of the major historical projects of the Province.

The Ste. Marie I Project is near completion with only more extensive interior furnishings being required, an endeavour which must, of necessity, move slowly. This reconstruction of the Jesuit Fort at Midland has proved to be of tremendous interest to students and the public at large. During the months of May and June of this year over 17,000 school children visited the site and during the months of July and

August there was a daily visitation of over a thousand. Sainte-Marie Among the Hurons now stands as an accepted part of the School Curriculum as put out by the Ontario Department of Education.

This year the Curator of the Museum, under the guidance of a sub-committee made up of members of the University faculty, has commenced the reconstruction of the Naval and Military Establishments at Penetanguishene for the Government of Ontario. The research required for this undertaking is a year-round project. The Curator and his staff work in field offices during the construction season. Thus far six buildings have been completed, roads built, drainage ditches dug and hundreds of trees removed. Archaeological work continued in the cleared areas.

The Huron Indian Village in Midland is enjoying its twelfth year of successful operation. It, also, is a great attraction for students and tourists.

All four of these major educational projects are under the direction of the Curator and the guiding at each is carried on by members of the University student body.

It is felt by all concerned that this Department has enjoyed a successful year of operation and looks forward to the challenges presented for the coming year in the areas of museum display, research, archaeology and reconstruction.

## JOINT McINTOSH COMMITTEE

### Report of the Secretary

Mr. B. E. Smith

Mr. Gerald Trottier, Resident Artist, arranged an interesting schedule of exhibitions for the year featuring the works of artists, both from within and beyond the London district, with emphasis on the younger contemporary painters. These included Ian Baxter (sculpture), Ron Martin and Murray Favro (paintings and sculpture), Gerald Trottier (paintings), Les Levine (sculpture), Ian Eyre (paintings), Claude Breeze (paintings), creative drawings by the Student Sketch Club and Extension Drawing Class, and drawings and paintings by the Summer School Class.

The Resident Artist on campus continued his extensive activities for the benefit of students, faculty members and the community at large. A weekly student sketch club was held, studio visiting hours were increased, and many gallery talks on current exhibitions were given to visiting student groups and others. In addition, Mr. Trottier gave freely of his time in talking with students of the University visiting the Gallery. The hospitality, of Mr. and Mrs. Trottier at their home to artists and friends of the Gallery was particularly gracious in advancing interest in, and understanding of, both art and artists.

Mr. Trottier was a principal adviser to the U.W.O. Students' Arts Festival Committee, which sponsored a week-long programme in the interest of art and culture including a fence-painting contest and a "happening" in the gallery. In addition, he was a member of the University Fine Arts Committee, and the President's Committee on Art. He also was a founding member of a private gallery in London "The 20/20 Gallery".

In the year 1966-67 the Joint McIntosh Committee awarded prizes totalling \$825.00 in Business Administration, \$940.00 in Geography, and \$875.00 in Public Speaking, the prizes for the latter activity being awarded to the students with highest standing in each of the sections of Speech 39. An honorarium of \$100.00 was paid to the Director of the Choir.

For promotion of music on campus, the following grants were made; \$200.00 to the U.W.O. Choir, \$148.58 to the U.W.O. Concert Band, and \$500.00 to the College of Music for the purchase of books and music for its library.

The Resident Artist purchased from his limited budget the following additions to the McIntosh Collection by young London artists:

"Figure Study" (drawing), Murray Favro	\$ 85.00
"Centennial" (Collage), Ronald Martin	100.00

A start was made on cataloguing the McIntosh Art inventory but a good deal remains to be done before it will be possible to lend out paintings for hanging in appropriate locations throughout the University.

The Alumni Association purchased the following works for the Collection thus entitling the Gallery to a grant of \$1,000.00 from The Board of Governors for the purchase of additional pictures:

#### COLONNE SANS FIN

Jean McEwen -- 1962 -- 50" x 72" -- \$1,500.00

#### MIRAGE #2

David Partridge -- 1965 -- 36" x 72" -- \$950.00

#### ST. SULPICE

John Fox -- 1967 -- 30" x 36 1/2" -- \$875.00

## PRESIDENT'S MEDALS

Report of the Committee Chairman

Professor R. G. N. Bates

The President's Medals have been awarded since 1951 to complement the Governor General's Awards for literature. They are given for the best single poem submitted, the best short story, the best scholarly article, and the best general article published in Canada during the past year by a Canadian citizen or a resident of Canada. The entries are judged by special committees drawn from the Faculty of the University.

For 1966-67 the Medals were won by:

Single poem - Raymond Souster, "The Farm Out the Sydenham Road", Tamarack Review #41 (Fall 1966)

General article - Dave Godfrey, "Letter from Africa to an American Negro", Tamarack Review #38 (Winter 1966)

Scholarly article - F. E. Sparshott, "Philosophy and the 'Creative Process'", West Coast Review, 1 (Spring 1966), 4-13.

Short story - Dave Godfrey, "The Hard-Headed Collector", Tamarack Review, #40 (Summer 1966)

# CANADIAN OFFICERS' TRAINING CORPS

Report of the Commanding Officer

Lt. Col. J. H. Blackwell, ED

This report covers the period September 1, 1966 to August 31, 1967.

It is unfortunate that, in retrospect, the most lasting impression of the training year 1966-67 is one of uncertainty and confusion. The lamentable indecision at CFHQ, prolonging for yet another year everyone's doubt about the future of University Reserves, reached an anticlimax with the release of an unsigned, unheaded "paper" to the AUCC, outlining alternative plans for the future.

Although rumour had it that "this was it", (despite the almost universal protests which the paper aroused), six months later and three and a half weeks before University registration for 1967-68, no official instructions had been issued.

Amongst the protests was a strongly-worded submission to the President, UWO, from the Commanding Officers of our two University Units. This channel was followed because at no time was "the paper" officially made available for comment either to University Units, or to the Regular Force Headquarters which controlled them. In fact, at one point UWO Contingent COTC was informing Headquarters Training Command as to the progress of events!!

While posted to the Reserve Officers' School, RCAF, at Clinton Ontario, for six weeks this summer, the RSO UWO Contingent COTC had an opportunity to contribute to Canadian Forces integration policy. In the report he submitted at the conclusion of this period, Captain Allen was able to draw attention at Training Command to a basic deficiency in the present ROS programme, i.e. the course planners were neglecting the fundamental principle that armed forces training, and officer training in particular, must be training for war. Captain Allen's report was commended by Training Command.

On April 1, 1967, the Commanding Officer was presented with the Canadian Efficiency Decoration (ED) at the Annual Concentration parade of the Contingent. This coincided with the approaching end of the period of appointment of the Commanding Officer, who retired on August 31, 1967, as well as his completion of 31 years service in various components of the Australian and Canadian forces, active and reserve.

The undersigned wishes to express his profound appreciation for the opportunity he has had to serve in the COTC and particularly in the last five years as Commanding Officer.

Amongst the many he must thank are; the Honorary Colonel, Major-General A. C. Spencer, whose kindness and generosity to the Contingent and its personnel have been unlimited; the former President of UWO, Dr. G. E. Hall, who unfailingly supported and encouraged military endeavour on Campus in all its forms; the previous CO, Lt. Col. A. E. Raymond, who was kind enough to invite the present incumbent to join the Contingent as 2 I/C; and all the Contingent Officers and Resident Staff Officers, whose loyal co-operation and friendship have made these years possible.

In conclusion, the best of good wishes go to Lt. Col. G. F. H. Chess, the incoming Commanding Officer, coupled only with regret that Government policy seems likely to make his period of appointment of short duration.

#### Enrollment and Contingent Strength

As initiated in the previous year, we continued with the system of including a Militia Officer on the Selection Boards. We extend our thanks to the various officers in London, Waterloo and Windsor who gave up their valuable time to assist us.

a) Total applications		34
b) Rejections		10
1) Medical grounds	--	
2) result of personnel selection	--	1
3) by university selection Board	--	2
4) late applications	--	-
5) other reasons	--	-
6) (applications withdrawn)	--	-
c) Total enrolled		24



The total strength of the Contingent as of May 31, was:

	<u>UWO</u>	<u>WATERLOO</u>	<u>WINDSOR</u>	<u>TOTAL</u>
Contingent Officers	3	2	2	7
COTC	12	24	3	39
ROTP - CA (R)	7	9	8	24
ROTP - RCN	4			
UMSP - RCN	2			

### Theoretical Training

Theoretical training was carried out from September 21, 1966 to May 1, 1967. Each Detachment paraded one evening per week:

Waterloo University College	Tuesday, 6:00 to 8:00 p.m.
The University of Western Ontario	Wednesday, 6:30 to 8:30 p.m.
University of Windsor	Thursday, 4:30 to 6:30 p.m.

### Special Events

Nov. 11, 66	Remembrance Day Service	London
Jan. 28, 67	Rifle Competition at London (UWO vs RMC)	London
Feb. 11, 67	Tri-Service Ball	Waterloo
Feb. 11, 67	Rifle Competition RMC (UWO vs RMC)	Kingston
Feb. 17, 67	Tri-Service Ball	Windsor
Feb. 24, 67	Tri-Service Ball	London
Mar. 31 - Apr. 2	Annual Concentration	London
Apr. 1, 67	Annual Mess Dinner	London

A total of 53 COTC and ROTP 2nd Lts. and Officer Cadets were despatched for summer training at schools and units of the Canadian Army (Regular). This included three for third practical phase COTC, which is now confined to service in Canada, and is a special reward for superior performance in second phase. Those selected for this training were:

TA 33503	2 Lt.	A. J. DeDecker	C Pro C	Waterloo
TA 33502	2 Lt.	W. P. Gard	RCIC	Western
TA 33499	2 Lt.	G. W. Richards	RCA	Windsor

Contingent Staff 1966-67

a) Contingent Officers

Commanding Officer	Lt. Col. J. H. Blackwell, ED	COTC
Second-in-Command	Maj. G. F. H. Chess, CD	RCEME
Adjutant	Capt. J. A. Fulford	COTC
OC Waterloo Detachment	Maj. J. M. Clark, CD	COTC
2 I/C Waterloo Detachment	Capt. J. M. Ryan, CD	RCAMC
OC Windsor Detachment	Maj. P. A. Deneau	RCAC
2 I/C Windsor Detachment	Capt. G. A. Mascaro	RCAC

b) Attached

RSO	Capt. C. F. Allen, CD	RCA
Clerk	Ssgt. G. E. Jones, CD	CWAC

## 105 UNIVERSITY SQUADRON (RCAF)

### Report of the Commanding Officer

Wing Commander J. R. W. Gwynne-Timothy CD

The University of Western Ontario Squadron, RCAF has undergraduates taking training under the University Training Plan (URTP), the Regular Officers Training Plan (ROTP) and the Medical Officers Training Plan (MOTP).

Under the URTP, undergraduates train for two winters and two summers, the completion of which qualifies them for a commission in the Reserve Force, and on graduation from University, in the Regular Force. A limited number of undergraduates are selected for a third winter and summer of training.

Under the ROTP, selected undergraduates also take winter and summer training, and in addition, the cost of their university education is paid by the government, including a subsistence allowance and pay-at-rank. After graduation they are required to serve a period of four or five years as commissioned Officers in the Regular Force.

Under the MOTP, similar benefits are provided for the undergraduate, with the addition of a graduated pay and rank throughout the three years of undergraduate study and the intern year.

### Training Policy

The training policy of the RCAF University Squadron has endeavoured to promote certain objectives: they are re-iterated as follows:

- (a) To assist in the development of good citizenship in young men and women who may be expected to become leaders in the Canadian community of the future;
- (b) To create in those individuals an awareness of the needs, problems and obligations of the service and an under-

standing of national defence policy and its role in foreign policy, and to provide reserve components with Officers possessing both academic and military training for use in event of a national emergency;

- (c) To introduce university students to Service Life, so that they may make intelligent appraisal of the advantages of a permanent Service career;
- (d) To strengthen the contact between the Service and the universities, for the benefit of both.

### Squadron Strength

The strength of the Squadron was as follows:

	<u>UWO LONDON</u>		<u>WINDSOR UNIV.</u>		<u>WATERLOO UNIV.</u>	
	<u>MALE</u>	<u>FEMALE</u>	<u>MALE</u>	<u>FEMALE</u>	<u>MALE</u>	<u>FEMALE</u>
Reserve Staff	3		1		Nil	
URTP	7	1	2		Nil	
ROTP	18		6		3	
MOTP	7		Nil		Nil	
UTPM	4		Nil		Nil	
ROAU	9		Nil		Nil	
LOFB	<u>1</u>	<u>—</u>	<u>1</u>	<u>—</u>	<u>—</u>	<u>—</u>
TOTALS	<u>47</u>	<u>1</u>	<u>10</u>	<u>—</u>	<u>3</u>	<u>—</u>
Reg. Force Support	<u>2</u>					
Grand Total	<u>63</u>					

During the past year there were nine Regular Force Officers attending The University of Western Ontario. Two Officers were enrolled in the Faculty of Medicine pursuing their MD.

### Recruiting

The URTP quota for the 1966-67 academic year was raised to eight Officer Cadets. Only five of these positions were filled.

Under ROTP recruiting six male applicants from UWO, two from The University of Windsor and one each from Waterloo Lutheran

and University of Waterloo.

### Winter Training

The Winter training programme for URTP, ROTP and first year MOTP was conducted on Wednesday evenings in Thames Hall. The first term programme was Tri-service and included lectures by staff members on Service History and Organization, World Affairs and General Service Knowledge. Faculty members also assisted with lectures on Geography, Principles of War, History and World Affairs. A team from Air Transport Command also visited the Unit and presented a lecture on the History and current trends in Air Transportation.

During the second term, lectures covered such topics as Air Pollution, Management Training, Political Geography, Archaeology and leadership. A lecture from Air Defence Command presented interesting lectures on developments in their fields. Group Captain Boak from Training Command Headquarters visited the Squadron February 22, 1967 and spoke of recent developments of Unification of the Canadian Forces.

Cadets from the Squadron participated in the Remembrance Day Service. The Annual Tri-Service Ball was held at CFB London on February 24, 1967 and the Squadron's Annual Mess Dinner was held at Canadian Forces Base London on April 1, 1967. The guest of Honour at the Mess Dinner was Dr. G. E. Hall, President and Vice-Chancellor of the University of Western Ontario.

### Summer Training

All first year Cadets except the MOTP enrollees proceeded to the Reserve Officer's School at Canadian Forces Base Clinton for basic Training before being assigned to specialized training in various branches of the Service at CFB's throughout Canada. The MOTP trainees proceeded to the Canadian Forces Medical Services Training Centre at CFB Borden.

Second and third year Cadets proceeded directly to CF Bases to continue contact training in their specialized branches. Officer Cadet A. R. Watt, a member of the Squadron at UWO, was selected for a summer posting to Air Division Headquarters, Lahr, Germany.

### Staff

The following comprised the establishment of 105 USQN at The University of Western Ontario for 1966-67:

Commanding Officer

Wing Commander J. R. W.  
Gwynne-Timothy

Chief Training Officer

Squadron Leader W. Bulani

RCAF Representative,  
University of Windsor

Squadron Leader W. G.  
Benedict

Resident Staff Officer

Flight Lieutenant F. G. Hessel

University Support Clerk

Corporal W. J. Beamish

I wish to express my appreciation and thanks to all who have been connected with the work of the RCAF in the University. The Officers, Officer Cadets and NCO's have all been zealous, friendly and most co-operative. In particular I wish to register my pleasure in the high quality of work and assistance provided by the Regular Force personnel, FL F. G. Hessel and Cpl. W. J. Beamish. The training Officers drawn from the faculty, S. L. Bulani and S. L. Benedict have likewise continued their excellent support. I wish also to make special note of our appreciation of the spirit of friendly co-operation and willing assistance provided by all ranks of the COTC, with whom we have enjoyed our ventures in common. All elements of the University have continued their support and interest which have so long distinguished the association of this University with the Armed Forces.

# THE WESTERN ONTARIO SECONDARY SCHOOLS' ASSOCIATION

## Report of the Secretary

Mr. Harvey A. Stewart

The Association was officially founded December 11, 1920, but its first function, conducted strictly under W.O.S.S.A., was a Track and Field Meet scheduled for May 20, 1922, at Queen's Park in London. Unfavourable weather forced a postponement to May 27.

W.O.S.S.A. was the first organization of its kind in Canada, and today it is one of 14 similar organizations in Ontario, all federated to form O.F.S.A.A. (Ontario Federation of School Athletic Associations) with headquarters at 559 Jarvis Street, Toronto 3.

W.O.S.S.A. presently serves 53 Secondary Schools, with an approximate total enrollment of 43,000. These are broken down into Conferences, as listed below:

Huron-Perth	with 11 schools
Lambton-Middlesex	with 4 schools
London and District	with 17 schools
Sarnia	with 6 schools
Tri-County	with 12 schools
Non-affiliated	with 3 schools

During the 1966-67 school year W.O.S.S.A. distributed about \$900 worth of awards (cups, medals, pennants, crests, arm tabs) to the winners of the various Association playoffs and tournaments.

The following numbers of students actually participated in W.O.S.S.A. finals activities during 1966-67. (Comparative figures for 1965-66 in brackets):

Badminton	91	( ? )	Soccer	80	( 64 )
Basketball	398	(391)	Tennis	61	( 71 )
Cross Country	266	(240)	Track and Field	560	(554)
Curling	80	( 80 )	Volleyball	364	(332)
Gymnastics	277	(202)	Wrestling	166	(141)

Several times the above numbers took part in Conference competitions, in order to determine the W.O.S.S.A. finalists, as listed above. Over 2,000 boys played rugby football at Conference levels. There was some swimming competition in the London and District Conference, and a very full hockey schedule in the same Conference.

The W.O.S.S.A. executive, plus all school coaches and administrative personnel are very happy with the continued support and co-operation from The University of Western Ontario, and it is the hope of all that the same mutually beneficial relationship will continue.

The officers elected for 1967-68 are:

Past President:	Mr. Harry Posliff, Principal of District Collegiate Institute, Strathroy
President:	Mr. Fred Kennedy, Athletic Director (Boys) at Catholic Central High School, London
Vice-President:	Mr. Tom White, Athletic Director at St. Joseph's High School, St. Thomas
Secretary-Treasurer:	Mr. H. A. Stewart, 510 Princess Avenue, London, Ontario



FACULTY OF GRADUATE STUDIES

Computer Centre

Teaching

J. P. Hall Professor and Director of Computer Centre

W. D. Thomas Administrative Programmes Supervisor  
Administrative Data Processing Centre

Appointments

D. T. Lee Director

OFFICE OF THE VICE-CHANCELLOR AND CHIEF FINANCIAL OFFICER

APPENDIX A

STAFF CHANGES

Teaching

H. W. Allen Teaching Officer, part-time holder of the Chair,  
University College

FACULTY OF ARTS & SCIENCE

Department of Applied Science

Appointments

A. G. McCall Lecturer in Science

OFFICE OF THE DEAN OF STUDIES

Teaching

J. W. Hutchinson Director of Undergraduate and Office of Campus Development  
Dean Office of Faculty of Arts

Appointments

A. D. MacKinnon Assistant Director

FACULTY OF GRADUATE STUDIES

Computing Centre

Transfers

J. F. Hart Professor and Head - to Computer Science

W. D. Denton Administrative Programme Supervisor to  
Administrative Data Processing Centre

Appointments

G. T. Lake Director

OFFICE OF THE VICE-PRESIDENT - ARTS & SCIENCE

Transfer

R. L. Allen Timetable Officer (p-t) to Office of the Dean,  
University College

FACULTY OF ARTS & SCIENCE

Secondary Schools Liaison Office

Appointment

A. G. McColl Liaison Officer

OFFICE OF THE DEAN OF MEN

Transfer

J. W. Buckingham Director of Placement and Off-Campus Housing;  
from Office of Registrar

Appointment

A. D. MacKenzie Awards Officer



Appointments (Continued)

C. E. Beigie                      Lecturer

J. R. Melvin                      Lecturer

W. E. Vickery                    Lecturer

Department of EnglishResignations

L. McGaw                         Instructor

T. A. Dunn                        Visiting Professor

M. J. Miller                      Instructor

M. Szyfman                      Instructor

Promotions

W. E. Atkinson                 Associate Professor to Professor

A. W. Trueman                 Honorary Lecturer (p-t) to Professor

Transfers

G. A. Buckley                 Associate Professor to Talbot College

C. E. Sanborn                 Associate Professor to Talbot College

D. Hair                         Assistant Professor to Talbot College

I. A. McDonald                 Assistant Professor to Talbot College

L. J. Morrissey                 Assistant Professor to Talbot College

E. M. Stingle                 Assistant Professor to Talbot College

G. D. Parker                    Lecturer to Talbot College

H. E. Bieman                    Instructor (p-t) to Talbot College

L. F. Dawson                    Instructor to Talbot College

Appointments

B. Rajan	Senior Professor
J. A. Somerset	Assistant Professor
A. Straulman	Assistant Professor
D. H. Parker	Instructor
R. J. Gray	Instructor
A. Orendorff	Instructor

Department of HistoryResignations

A. V. Tucker	Professor and Head
G. R. Taylor	Assistant Professor
C. G. Thorne	Lecturer

Promotion

W. Balderston	Associate Professor to Professor and Acting Head
---------------	--

Transfer

C. L. Murison	Lecturer - to Classics Talbot College
---------------	---------------------------------------

Appointments

J. G. Rowe	Professor; Dean, Talbot College
W. H. Stockdale	Associate Professor
P. G. Cornwall	Assistant Professor
J. C. Ogelsby	Assistant Professor
A. R. Levin	Lecturer

Department of PhilosophyAppointments

R. W. Binkley Associate Professor

E. Sosa Assistant Professor

Department of Romance LanguagesResignations

J. R. Dugan Instructor

S. B. John Visiting Professor

V. R. Miller Instructor

Leave-of-Absence

J. Warwick Assistant Professor

Promotions

J. B. Sanders Associate Professor to Professor

L. M. Heller Assistant Professor to Associate Professor

D. E. Westgate Instructor to Lecturer

Transfers

B. Davies Assistant Professor to Talbot College

N. C. Keeling Instructor to Talbot College

Appointments

P. Melese Visiting Sessional Professor

M. Smith Assistant Professor (p-t)

Department of P. H. R. E.Resignations

J. J. Laird Lecturer (p-t)

M. B. Sass Lecturer (p-t)

Promotions

M. S. Yuhasz Associate Professor to Professor

M. L. Dresser Lecturer to Assistant Professor

Appointments

G. A. Paton Assistant Professor

Department of SociologyPromotions

J. Kantner Professor to Professor and Head

Appointments

B. D. Singer Assistant Professor

P. A. Morrison Lecturer

## TALBOT COLLEGE

GeneralTransfer

B. L. Wood Co-ordinator of University Theatres from  
Department of Medical Research

Appointment

J. G. Rowe Dean, T. C.

Department of ClassicsLeave-of-Absence

I. Avotins Assistant Professor

Promotion

H. B. Timothy Assistant Professor to Associate Professor

Appointment

M. E. Doody                      Lecturer

Appointment Beyond Retirement Date

J. D. Ralph                      Professor (p-t)

Department of English

Appointments

T. C. Collins                      Assistant Professor

A. T. Straulman                      Assistant Professor

E. Bieman                      Instructor

Department of German

Resignation

H. J. Schueler                      Assistant Professor

Appointment

R. H. Engfield                      Assistant Professor

Appointment Beyond Retirement Date

R. A. Allen                      Lecturer (p-t)

Department of Philosophy

Promotion

W. K. Wilson                      Assistant Professor from Lecturer

Appointment

G. Buchdahl                      Visiting Professor

Department of Political Science

Leave of Absence

H. B. Mayo                      Senior Professor



Promotions

T. R. Sansom Associate Professor from Assistant Professor  
 S. J. Noel Assistant Professor from Lecturer

Appointment

J. D. Shingler Lecturer

Department of Romance LanguagesPromotion

L. J. Metford Professor; to Director, Language Lab

Appointments

H. Tuchmaier Visiting Professor (p-t)  
 C. Venesoen Visiting Professor (p-t)  
 M. Pasternak Instructor

Department of Russian StudiesPromotion

E. Froese Instructor to Lecturer

Appointment

R. Neuhauser Associate Professor and Head

MIDDLESEX COLLEGE

Department of English

Resignations

M. E. Waterston Assistant Professor  
 L. Forstner Instructor  
 D. Holman Instructor

Resignations (Continued)

D. Maskell	Instructor
D. Metcalf	Instructor
P. Orr	Instructor
C. Dean	Associate Professor

Leave-of-Absence

D. K. King	Instructor
------------	------------

Transfers

J. M. Kuist	Assistant Professor to University College
M. M. Brown	Lecturer to University College

Appointments

H. McPherson	Professor
M. E. Smith	Lecturer
B. Crick	Instructor
G. Hess	Instructor
P. Palmer	Instructor
P. Magee	Instructor

Department of HistoryLeave-of-Absence

C. A. Ruud	Assistant Professor
------------	---------------------

Promotions

H. M. Wade	Professor and Head to Senior Professor
D. G. G. Kerr	Professor (p-t) to Senior Professor

Appointments

S. F. Wise Professor

V. Smith Instructor (p-t)

Department of PsychologyResignations

T. J. Ryan Assistant Professor

F. B. Harper Lecturer (p-t)

Promotions

R. C. Gardner Assistant Professor to Associate Professor

H. O. Lobb Assistant Professor to Associate Professor

Appointments

M. Rieber Associate Professor

D. R. Pederson Assistant Professor

Z. W. Pylyshyn Assistant Professor

Department of Romance LanguagesResignations

C. Smith Visiting Senior Professor

J. Meral Assistant Professor

L. Lozano Lecturer

Promotions

W. Flint Professor and Acting Head to Professor and Head

D. G. Creighton Assistant Professor to Associate Professor

Transfers

T. J. Casaubon	Associate Professor to Talbot College
L. J. Metford	Associate Professor to Talbot College
M. F. Falvo	Assistant Professor to Talbot College
F. K. Harper	Assistant Professor to Talbot College
V. Brizio	Lecturer

Appointments

W. S. Bush	Associate Professor
A. M. Marti	Associate Professor

Department of GeographyResignation

W. H. Hilborn	Lecturer (p-t)
---------------	----------------

Promotions

V. W. Sim	Assistant Professor to Associate Professor
J. W. Simmons	Assistant Professor to Associate Professor

Appointment

R. Wightman	Assistant Professor
-------------	---------------------

## COLLEGE OF SCIENCE

Department of MathematicsResignations

G. Horrocks	Sessional Lecturer
K. Innanen	Assistant Professor
A. K. Saleh	Lecturer

Resignations (Continued)

A. L. Bellis Instructor

R. J. Phillips Instructor (p-t)

General - Dean's OfficeResignation

R. J. Uffen Dean; Professor of Geophysics

Leave-of-Absence

E. J. Barbeau Associate Professor

Promotions

D. Borwein Professor to Senior Professor

M. M. Ali Associate Professor to Professor

E. J. Barbeau Assistant Professor to Associate Professor

N. P. Cac Assistant Professor to Associate Professor

Transfers

H. Van Der Laan To Astronomy - Associate Professor

A. Wehlau To Astronomy - Lecturer (p-t)

Appointments

S. C. Dennis Professor

D. H. Michael Visiting Professor (p-t)

L. F. Ritcey The John G. Richter Memorial Professor of Actuarial Mathematics

T. H. Wonnacott Associate Professor

B. L. Shawyer Visiting Assistant Professor

J. K. Chan Assistant Professor

K. S. Sung Assistant Professor

Department of AstronomyPromotion

W. H. Wehlau Professor and Head

Appointments

D. Gray Lecturer

J. Moorhead Lecturer

Department of BotanyResignations

F. R. Forsyth Honorary Lecturer

N. W. Good Honorary Lecturer

Department of ChemistryResignation

F. L. Pattison Professor and Head (on leave)

Leaves-of-Absence

W. J. Meath Assistant Professor

J. F. King Associate Professor

Promotions

A. E. Scott Professor and Head from Associate Professor and Acting Head

E. W. Warnhoff Professor from Associate Professor

D. R. Bidinosti Associate Professor from Assistant Professor

C. J. Willis Associate Professor from Assistant Professor

C. P. Demas Lecturer from Sessional Lecturer

D. A. MacRae Instructor; Lab. Supervisor from Lab. Supervisor

Appointment

D. H. Hunter                      Assistant Professor

Department of GeologyLeave-of-Absence

A. Dreimanis                      Professor

Appointments

F. Mayr                              Visiting Lecturer      (1 year appointment)

A. E. Vincent                      Visiting Lecturer      (2 1/2 months)

Department of GeophysicsResignations

R. J. Uffen                          Professor

H. Takahashi                      Visiting Associate Professor

Promotion

L. Mansinha                      Assistant Professor from Lecturer

Appointments

U. Aswathanaryana              Visiting Associate Professor (sessional)

H. C. Palmer                      Assistant Professor

Department of PhysicsResignation

E. H. Tull                          Associate Professor

Leave-of-Absence

P. A. Fraser                      Professor

Promotions

E. Brannen	Senior Professor from Professor
D. R. Hay	Senior Professor from Professor
A. W. Durnford	Professor from Associate Professor
D. R. Moorcroft	Associate Professor from Assistant Professor
M. Schlesinger	Associate Professor from Assistant Professor
W. J. Lewis	Assistant Professor from Lecturer

Appointments

Y. F. Bow	Assistant Professor
P. W. Whippey	Lecturer

Department of ZoologyPromotions

R. H. Stinson	Associate Professor to Professor
D. B. McMillan	Assistant Professor to Associate Professor
A. L. Gage	Senior Technician to Laboratory Supervisor

Appointments

R. K. Misra	Assistant Professor
R. R. Roth	Assistant Professor

Department of Computer ScienceTransfer

W. D. Denton	Instructor to Administrative Data Processing Centre
--------------	---



Promotions

- G. Beckhoff Assistant Professor from Assistant Professor  
(NOTE) (Appointed Lecturer, then to Assistant Professor)
- F. Zabransky Assistant Professor from Lecturer

Appointment

- G. T. Lake Honorary Lecturer

## FACULTY OF ENGINEERING SCIENCE

Instruction and GeneralResignations

- M. M. Young Assistant Professor
- A. J. Hartman Visiting Assistant Professor

Promotions

- G. F. Chess Assistant Professor to Associate Professor
- E. S. Nowak Assistant Professor to Associate Professor
- K. A. Shelstad Assistant Professor to Associate Professor
- W. H. Peacock Lecturer to Assistant Professor

Transfer

- W. Isyumov Instructor to Wind Tunnel

Appointments

- T. Bonnema Assistant Professor
- J. Beeckmans Assistant Professor
- B. J. Vickery Assistant Professor



Appointments

A. D. Dickson Associate Professor

E. L. Shaver Lecturer

M. B. Sass Lecturer

W. L. Burt Fellow

R. L. Clark Fellow

H. S. Rao Fellow

R. E. Wylie Fellow

Department of PathologyAppointments

D. G. Gardner Associate Professor

J. V. Frei Associate Professor

D. M. Mills Clinical Associate Professor

G. Abdelnour Instructor (p-t)

B. Adilman Instructor (p-t)

Department of BacteriologyTransfer

B. K. Ghosh Research Fellow to Medical Research

Department of Medical ResearchResignation

E. Gammal Research Fellow

Transfers

J. C. Paterson Professor (p-t) to Pathology

J. H. Cutts Assistant Professor to Anatomy

Appointments

N. Kosaric Fellow

J. Pana Fellow

Department of MedicinePromotion

D. B. Shaw Lecturer to Assistant Professor (p-t)

Appointment

R. W. Gunton Richard Ivey, Professor and Head

Department of SurgeryResignations

C. C. Ross Clinical Associate Professor

L. P. Walden Instructor (p-t)

L. Amacher Fellow

G. E. Meads Fellow

Promotion

D. W. Johnston Clinical Associate Professor from Clinical Assistant Professor

Department of Obstetrics and GynaecologyResignation

J. Hartog Fellow

Leave-of-Absence

E. L. Schram Clinical Lecturer

Promotion

P. G. Harding Assistant Professor from Lecturer

Appointments

A. B. Chernick	Fellow
J. Collins	Fellow (p-t)
D. M. Maynard	Fellow (p-t)

Department of PaediatricsResignation

S. J. Koegler	Instructor (p-t)
---------------	------------------

Promotions

L. L. Deveber	Assistant Professor (p-t) from Lecturer (p-t)
G. G. Hinton	Assistant Professor (p-t) from Lecturer (p-t)

Department of Otology, Rhinology and LaryngologyPromotions

J. W. Babb	Clinical Assistant Professor to Clinical Associate Professor
F. J. Rounthwaite	Clinical Assistant Professor to Clinical Associate Professor
W. H. Burnett	Clinical Lecturer to Clinical Assistant Professor
P. G. Gettas	Clinical Lecturer to Clinical Assistant Professor
G. L. Wong	Instructor (p-t) to Clinical Lecturer

Department of Therapeutic RadiologyLeave-of-Absence

W. R. Inch	Assistant Professor
------------	---------------------

Department of BiophysicsLeave-of-Absence

M. R. Roach                      Assistant Professor (p-t)

Promotion

R. A. Snyder                      Associate Professor to Professor

Cancer ResearchResignation

G. Sainte Marie                  Associate Professor

Promotions

D. G. Montemurro                  Associate Professor, Physiology from Assistant  
Professor Physiology

## SCHOOL OF BUSINESS ADMINISTRATION

Resignations

G. Edwards                      Visiting Professor (p-t)

P. Bishop                      Lecturer

C. Carrothers                      Lecturer (p-t)

J. D. Fleck                      Lecturer (Visiting)

G. R. Forsyth                      Lecturer

J. R. Nininger                      Lecturer

E. J. Spence                      Visiting Professor

H. Crookell                      Instructor

R. K. Ready                      Professor

Leaves-of-Absence

D. S. Leighton                      Professor

R. K. Ready                      Professor

Promotions

J. C. Taylor	Professor to Senior Professor
R. C. Hodgson	Assistant Professor to Associate Professor
C. B. Johnston	Assistant Professor to Associate Professor
R. E. Sproule	Assistant Professor to Associate Professor
M. Leenders	Assistant Professor to Associate Professor
J. A. Humphrey	Lecturer to Assistant Professor
J. R. Kennedy	Lecturer to Assistant Professor
D. Burgoyne	Instructor to Lecturer
J. C. Ellert	Instructor to Lecturer
J. D. ffolliott	Instructor to Lecturer
R. E. Jeffrey	Instructor to Lecturer
K. Loucks	Instructor to Lecturer

Appointments

R. Archibald	Assistant Professor
D. Keuchle	Assistant Professor
B. Little	Assistant Professor
F. H. Rowland	Assistant Professor
J. R. Gordon	Assistant Professor

## FACULTY OF DENTISTRY

Department of Oral MedicineAppointment

D. S. Moore	Professor and Head
-------------	--------------------

SCHOOL OF NURSING

Leaves-of-Absence

S. R. Good                      Assistant Professor

N. E. Healey                    Assistant Professor

Promotions

A. E. Griffin                    Associate Professor to Professor

D. M. Hibbert                 Associate Professor to Professor

E. M. Horn                     Assistant Professor to Associate Professor

J. Peitchinis                 Assistant Professor to Associate Professor

L. S. Brown                    Lecturer to Assistant Professor

C. Dauk                        Lecturer to Assistant Professor

E. E. Hartig                  Lecturer to Assistant Professor

T. I. Potter                    Lecturer to Assistant Professor

V. Wood                        Lecturer to Assistant Professor

SCHOOL OF MUSIC

Appointments

G. K. Greene                    Assistant Professor

E. Tracy                        Instructor (p-t)

FACULTY OF LAW

Resignation

K. A. Hinnegan                Assistant Professor



Appointments

J. L. Montrose	Visiting Professor (p-t)
E. H. Carson	Sessional Professor (p-t)
H. Glasbeck	Assistant Professor

## LIBRARIES

General LibraryAppointment

A. D. Osborn	Consultant; Dean, School of Library and Information Science
--------------	---

## OFFICE OF THE VICE-PRESIDENT (ADMINISTRATION)

Transfers

F. H. Rowland	Secretary, Board of Governors to School of Business Administration
B. E. Smith	Secretary, Board of Governors from Office of the Dean of Men

ADMINISTRATIVE DATA PROCESSING AND SYSTEMS DEVELOPMENT  
DEPARTMENTPromotions

W. D. Denton	Director from Administrative Programme Supervisor and Instructor, Department of Computer Science
M. L. Oates	Programmer
B. R. Jennings	Programmer

## OFFICE OF THE REGISTRAR

Transfers

J. W. Buckingham            Assistant to Office of the Dean of Men

D. R. Mason                    Administrative Assistant to the Book Store

## OPERATION AND MAINTENANCE OF PHYSICAL PLANT

Leave-of-Absence

R. A. Gonder                    Mechanical and Electrical Supervisor

Retirement Deferred

J. W. Rivett                    Supervisor

## ATHLETICS

Appointment Beyond Retirement

E. Slatter                        Business Manager (p-t)

## FOOD SERVICES

Somerville House Coffee ShopRetirement

T. S. Brown                    Manager

## BOOK STORES

Retirement

E. Slatter                        Manager

Appointment

D. R. Mason                    Manager

Temporary Appointment Beyond Retirement Date

E. Slatter                        Consultant (p-t)

ALTHOUSE COLLEGE OF EDUCATION

Department of Philosophy

Promotion

V. A. Howard Assistant Professor and Head

General Administration

Appointment

A. G. McColl Secondary Schools Liaison Officer

PUBLICATIONS OF THE FACULTY

AND GRADUATE STUDENTS

UNIVERSITY COLLEGE

DEPARTMENT OF ECONOMICS

APPENDIX B

PUBLICATIONS OF THE FACULTY

AND GRADUATE STUDENTS

- Boyer, R. C. "The Role of Money in the Economy," *Journal of Political Economy*, Vol. 61, No. 1, 1953, pp. 1-14.
- Boyer, R. C. "The Role of Money in the Economy," *Journal of Political Economy*, Vol. 61, No. 1, 1953, pp. 1-14.
- Boyer, R. C. "The Role of Money in the Economy," *Journal of Political Economy*, Vol. 61, No. 1, 1953, pp. 1-14.
- Boyer, R. C. "The Role of Money in the Economy," *Journal of Political Economy*, Vol. 61, No. 1, 1953, pp. 1-14.
- Boyer, R. C. "The Role of Money in the Economy," *Journal of Political Economy*, Vol. 61, No. 1, 1953, pp. 1-14.
- Boyer, R. C. "The Role of Money in the Economy," *Journal of Political Economy*, Vol. 61, No. 1, 1953, pp. 1-14.
- Boyer, R. C. "The Role of Money in the Economy," *Journal of Political Economy*, Vol. 61, No. 1, 1953, pp. 1-14.
- Boyer, R. C. "The Role of Money in the Economy," *Journal of Political Economy*, Vol. 61, No. 1, 1953, pp. 1-14.
- Boyer, R. C. "The Role of Money in the Economy," *Journal of Political Economy*, Vol. 61, No. 1, 1953, pp. 1-14.
- Boyer, R. C. "The Role of Money in the Economy," *Journal of Political Economy*, Vol. 61, No. 1, 1953, pp. 1-14.

PUBLICATIONS OF THE FACULTY

AND GRADUATE STUDENTS

UNIVERSITY COLLEGE

DEPARTMENT OF ECONOMICS

- Bodkin, R. G. (Review) Pilisi, D. et al. Une Contribution à la Théorie du Revenu Permanent (Paris: University Press of France, 1965). Journal of Political Economy. Vol. LXXIV, No. 5 (1966), pp. 533 - 535.
- Bodkin, R. G. and Klein, L. R. "Onlinear Estimation of Aggregate Production Functions," Review of Economics and Statistics. Vol. XLIX, No. 1 (1967), pp. 28 - 44.
- Parai, L. (Review) Meade J. E. The Stationary Economy (Chicago: Aldine Publishing Company, 1965). Journal of Political Economy. Vol. LXXIV, No. 5 (1966), pp. 539 - 540.
- Peitchinis, S. G. "The Economic Value of Education," Business Quarterly. Vol. XXXII, No. 1 (1967), pp. 59 - 67.
- Peitchinis, S. G. "The Development of Manpower and Economic Development: Is Co-ordination Possible?," Relations Industrielles - Industrial Relations. Vol. XXII, No. 1 (1967), pp. 3 - 26.
- Reuber, G. L. "Recent Monetary Policy in Canada," Bankers Magazine (London). Vol. CCHII, February and March (1967), pp. 73 - 76, 177.
- Walsh, W. D. "The Diffusion of Technological Change in the Pennsylvania Pig Iron Industry, 1850 - 1870: A Summary," Journal of Economic History. Vol. XXVI, No. 4 (1966), pp. 591 - 594.

- Wilkinson, B. W. "Present Values of Lifetime Earnings for Different Occupations," Journal of Political Economy. Vol. LXXIV, No. 6 (1966), pp. 556 - 572.
- Wilkinson, B. W. and Whittingham, F. J. Work Patterns of the Canadian Population, 1964. (Special Labour Force Studies No. 2) (Ottawa: Queen's Printer, 1967), 35 p.
- Wonnacott, P. and Ronald, J. "Automotive Agreement of 1965," Canadian Journal of Economics and Political Science. Vol. XXXIII, May (1967), pp. 269 - 284.

## DEPARTMENT OF ENGLISH

- Bates, R. G. N. "State Funeral, March 8, 1967," Poem. Saturday Night. Vol. LXXXII (1967), p. 7.
- Bates, R. G. N. "Downdolphinry," University of Toronto Quarterly. Vol. XXXVI, No. 3 (1967), pp. 229 - 236.
- Brown, M. "Chronicle: Experiment in Canadian Theatre," Canadian Literature. No. 31 (1967), pp. 54 - 58.
- Collins, T. J. Robert Browning's Moral - Aesthetic Theory: 1833 - 1855 (Lincoln, Nebraska: University of Nebraska Press, 1967), 165 p.
- Collins, T. J. "The Toronto Conference on Editing Nineteenth - Century Materials," Report. Victorian Studies. Vol. X, No. 2 (1966), pp. 209 - 210.
- Conron, B. "Introduction," In G. Roy. Street of Riches. (New Canadian Library) (Toronto: McClelland and Stewart, 1967), pp. vii - xii.
- Devereux, E. J. "English Translators of Erasmus," In Editing Sixteenth Century Texts. Edited by R. J. Shoock (Toronto: University of Toronto Press, 1966), pp. 43 - 58.
- Devereux, E. J. (Review) "Shoot Us No More," Peacock, K. Songs of the Newfoundland Outports (Ottawa: Queen's Printer, 1965). Alphabet. Vol. XII (1966), pp. 75 - 79.

- Devereux, E. J. "An English Glossary by Gertian Hervet," Moreana. No. 14 (1967), pp. 5 - 10.
- Devereux, E. J. "Elizabeth Barton and Tudor Censorship," John Rylands Library. Bulletin. Vol. XLIX (1966), pp. 91 - 106.
- Kuist, J. M. (Ed.) E. Malone. Cursory Observations on the Poems Attributed to Thomas Rowley (Los Angeles: Augustan Reprint Society, 1967), 75 p.
- Rajan, B. "Lycidas: the Shattering of the Leaves," Studies in Philology. Vol. LXIV (1967), pp. 51 - 64.
- Rajan, B. "The Overwhelming Question," In T. S. Eliot: the Man and His Work. Edited by A. Tate (New York: Chatto and Windus, Delta Books, 1966).
- Rajan, B. (Review) Holloway, J. The Colours of Clarity (London: Routledge, 1964). Modern Language Review. Vol. LXI, No. 4 (1966), pp. 648 - 649.
- Rajan, B. (Review) Woodcock, G. The Greeks in India (London: Faber and Faber, 1966). University of Toronto Quarterly. Vol. XXXVI, No. 4 (1967), pp. 427 - 428.
- Rajan, B. (Review) "Looking for Poetic Character," Young Commonwealth Poets 65. Edited by P. L. Brent (London: Heineman, 1965). Journal of Commonwealth Literature. No. 2 (1966), pp. 155 - 157.
- Somerset, J. A. B. (Review) Editing Sixteenth - Century Texts. Edited by R. J. Shoek (Toronto: University of Toronto Press, 1966). Moreana. No. 14 (1967), pp. 32 - 34.
- Somerset, J. A. B. "New Facts Concerning Samuel Rowley," Review of English Studies. New Series. Vol. XVII, No. 67 (1966), pp. 293 - 297.
- Somerset, J. A. B. "William Poel's First Full Platform Stage," Theatre Notebook. Vol. XX, No. 3 (1966), pp. 118 - 121.

## DEPARTMENT OF HISTORY

- Gwynne-Timothy, J. R. W. Canada's Place in World Affairs, an Historical Survey (Ottawa: Queen's Printer, 1967), 362 p.
- Hilborn, K. H. W. "A Library for Libertarians," Canada Month. Vol. VI, No. 7 (1966), pp. 24 - 25.
- Hilborn, K. H. W. "Australia: High Stakes," Canada Month. Vol. VI, No. 9 (1966), pp. 16 - 17.
- Hilborn, K. H. W. "Communism: A Library for Realists," Canada Month. Vol. VI, No. 10 (1966), pp. 20 - 21.
- Hilborn, K. H. W. "Viet Nam: The War's Real Meaning," Canada Month. Vol. VI, No. 11 (1966), pp. 20 - 23.
- Hilborn, K. H. W. "A China Still Chinese," Canada Month. Vol. VI, No. 12 (1966), pp. 18 - 20.
- Hilborn, K. H. W. "I've Got a Little List," Canada Month. Vol. VII, No. 3 (1967), pp. 16 - 17.
- Lander, J. R. (Review) Wilkinson, B. Constitutional History of England in the 15th Century, 1399 - 1485 (Toronto: Longmans, 1964). University of Toronto Quarterly. Vol. XXXV, No. 4 (1966), pp. 424 - 429.
- McLaughlin, J. P. (Review) Cragg, G. R. Reason and Authority in the Eighteenth Century (Cambridge: Cambridge University Press, 1964). Canadian Journal of History. Vol. I, No. 2 (1966), pp. 95 - 96.
- Ogelsby, J. C. M. (Review) Confederation to 1949. Edited by R. C. Brown and M. Prang (Scarborough: Prentice-Hall, 1966). Historian. Vol. XXIX, No. 2 (1966), p. 263.
- Ogelsby, J. C. M. (Review) Pre-Confederation. Edited by P. B. Waite (Scarborough: Prentice-Hall, 1965). Historian. Vol. XXIX, No. 2 (1966), p. 263.
- Ogelsby, J. C. M. (Review) Crassweller, R. D. Trujillo (Toronto: Collier - Macmillan, 1966). International Journal. Vol. XXII, No. 1 (1966 - 1967), pp. 163 - 164.



- Ogelsby, J. C. M. (Review) Martin, J. B. Overtaken by Events (Toronto: Doubleday, 1966). International Journal. Vol. XXII, No. 2 (1967), pp. 351 - 352.
- Ogelsby, J. C. M. (Review) Fagg, J. S. Cuba, Haiti and the Dominican Republic (Toronto: Prentice - Hall, 1965). International Journal. Vol. XXI, No. 3 (1966), p. 419.
- Ogelsby, J. C. M. (Review) Bosch, J. The Unfinished Experiment (Toronto: Burns and MacEachern, 1965). International Journal. Vol. XXI, No. 4 (1966), pp. 585 - 586.
- Ogelsby, J. C. M. (Review) Kurzman, D. Santo Domingo: Revolt of the Damned (Toronto: Longmans, 1965). International Journal. Vol. XXI, No. 4 (1966), p. 586.
- Ogelsby, J. C. M. (Review) Ballesteros, M. G. La Idea Colonial de Ponce de Leon (San Juan, Puerto Rico: Instituto Cultura Puertorriquena, 1960). Hispanic American Historical Review. Vol. XLVI, No. 4 (1966), pp. 456 - 457.
- Ogelsby, J. C. M. "Latin American Studies in Canada," Latin American Research Review. Vol. II, No. 1 (1966), pp. 80 - 88.
- Ogelsby, J. C. M. "The Dominican Republic's First Half Year of Normalcy," Commentator. Vol. XI, No. 2 (1967), pp. 26 - 27.
- Ogelsby, J. C. M. "The Prospects for Democracy in the Dominican Republic," International Journal. Vol. XXI, No. 2 (1966), pp. 205 - 210.
- Steele, I. K. "The Board of Trade, the Quakers, and Resumption of Colonial Charters, 1699 - 1702," William and Mary Quarterly. Series 3. Vol. XXIII, No. 4 (1966), pp. 596 - 619.
- Stockdale, W. H. (Review) Gilbert, F. Machiavelli and Guicciardini: Politics and History in Sixteenth Century Florence (Princeton: Princeton University Press, 1965). Renaissance News. Vol. XIX, No. 3 (1966), pp. 238 - 240.

## DEPARTMENT OF JOURNALISM

- Beattie, E. J. "The Little Victims of Vietnam," Weekend Magazine. Vol. XVI, No. 60 (1966), pp. 33 - 35.
- Wilson, C. E. "Why Canadian Newsmen Leave their Papers," Journalism Quarterly. Vol. XLIII, No. 4 (1966), pp. 769 - 772.

## DEPARTMENT OF PHILOSOPHY

- Johnson, A. H. (Review) A Key to Whitehead's Process and Reality. Edited by D. W. Sherburne (New York: Macmillan Company, 1965). Dialogue. Vol. V, No. 2 (1966), pp. 284 - 286.
- Johnson, H. J. "Three Ancient Meanings of Matter: Democritus, Plato, and Aristotle," Journal of the History of Ideas. Vol. XXVIII, No. 1 (1967), pp. 3 - 16.
- Margolis, J. Contemporary Ethical Theory (New York: Random House, 1966), 536 p.
- Margolis, J. "After - Images and Pain," Philosophy. Vol. XLI, No. 158 (1966), pp. 333 - 340.
- Margolis, J. "Awareness of Sensations and the Location of Sensations," Analysis. Vol. XXVII, No. 1 (1966), pp. 29 - 32.
- Margolis, J. "Catabolism," and "Theatrical Cuckold," Poems. Prism International. Vol. VI, No. 3 (1967), pp. 51 - 52.
- Margolis, J. "Esse est Percipi Once Again," Dialogue. Vol. V, No. 4 (1967), pp. 516 - 524.
- Margolis, J. "Grammatical Distinction," Poem. Canadian Forum. Vol. XLVI, November (1966), p. 182.
- Margolis, J. "Homage to the Poet Reading His Poems," Poem. Queen's Quarterly. Vol. LXXIII, No. 2 (1966), p. 232.
- Margolis, J. "Malcolm on Knowledge," Logique et Analyse. Vol. X, No. 38 (1967), pp. 192 - 199.

- Margolis, J. "Mr. Weitz and the Definition of Art," In Problems in Criticism of the Arts. Edited by H. G. Duffield (Chandler Publishing, 1967).
- Margolis, J. "Objectivism and Interactionism," Philosophy of Science. Vol. XXXIII, No. 2 (1966), pp. 118 - 123.
- Margolis, J. "One Last Time: 'Ought' Implies 'Can'," The Personalist. Vol. XLVIII, No. 1 (1967), pp. 33 - 41.
- Margolis, J. "Perception, Inference and Mediation," Journal of Philosophy. Vol. LXIV, No. 4 (1967), pp. 119 - 123.
- Margolis, J. "Reply to a Reaction: Second Remarks on Brodbeck's Objectivism," Philosophy of Science. Vol. XXXIII, No. 3 (1966), pp. 293 - 300.
- Margolis, J. "Sibley on Aesthetic Perception," Journal of Aesthetics and Art Criticism. Vol. XXV, No. 2 (1966), pp. 155 - 158.
- Sosa, E. "The Semantics of Imperatives," American Philosophical Quarterly. Vol. IV, No. 1 (1967), pp. 57 - 64.
- Sosa, E. "Imperatives and Referential Opacity," Analysis. Vol. XVII, No. 2 (1966), pp. 49 - 52.
- Sosa, E. "On Practical Inference and the Logic of Imperatives," Theoria. Vol. XXXII, No. 3 (1966), pp. 211 - 223.
- Sosa, E. "The Logic of Imperatives," Theoria. Vol. XXXII, No. 3 (1966), pp. 224 - 235.
- Sosa, E. and Chisholm, T. R. M. "Intrinsic Preferability and the Problem of Supererogation," Synthese. Vol. XVI, No. 2 (1966), pp. 321 - 331.
- Sosa, E. and Chisholm, T. R. M. "On the Logic of 'Intrinsically Better'," American Philosophical Quarterly. Vol. III, No. 3 (1966), pp. 244 - 249.

## DEPARTMENT OF PHYSICAL AND HEALTH EDUCATION

- Eynon, R. B. and Wearing, G. A. "The Problems of One Health Class per Week," Canadian Association for Health, Physical Education and Recreation. Journal. Vol. XXXIII, No. 2 (1966), pp. 21 - 26.
- Eynon, R. B. et al. "Organizing and Teaching the Intermediate Swimmer," and "Advanced Swimmers," In Y.M.C.A. Swimming Manual (Toronto: National Council of Y.M.C.A.s, 1966), pp. 30 - 57.
- L'Heureux, W. J. Report on Amateur Hockey in Canada (Ottawa: Department of National Health and Welfare, 1966), 91 p.
- L'Heureux, W. J. Ed. "Introduction - Position Statement," and "Graduate Studies," In Physical Education and Athletics in Canadian Universities and Colleges (Toronto: Canadian Association for Health, Physical Education and Recreation, 1966), pp. 1 - 4 and 22 - 31.
- Paton, G. A. "Physical Education in Canada," In Physical Education Around the World. Edited by W. Johnson (Indianapolis: Phi Epsilon Kappa Fraternity, 1966), pp. 8 - 16.
- Wearing, G. A. "The Physical Educator in a Nutrition Programme," Canadian Nutrition Notes. Vol. XXII, No. 7 (1966), pp. 85 - 87.

## DEPARTMENT OF SOCIOLOGY

- Allingham, J. D. "Class Regression: An Aspect of the Social Stratification Process," American Sociological Review. Vol. XXXII, No. 3 (1967), pp. 442 - 448.
- Balakrishnan, T. R. (Review) Thompson, W. S. and Lewis, D. T. Population Problems (New York: McGraw - Hill, 1965). Eugenics Quarterly. Vol. XIII, No. 3 (1966), pp. 274 - 276.
- Balakrishnan, T. R. "Stratification and Selection Probabilities for a Sample of General Medical Hospitals," Health Services Research. Vol. I, No. 2 (1966), pp. 170 - 192.

- Harvey, E. B. "Psychological Rigidity and Muscle Tension,"  
Psychophysiology. Vol. III, No. 2 (1966), pp. 224 -  
226.
- Pool, D. I. (Review) Oluwasanmi, H. A. Uboma: A Socio -  
Economic Survey of a Rural Community in Eastern  
Nigeria (Bude, Cornwall: Geographical Publications, 1966).  
Africa. Vol. XXXVII, No. 2 (1967), pp. 243 - 245.

## MIDDLESEX COLLEGE

## DEPARTMENT OF ENGLISH

- Crick, B. (Review) "At the Critics' Gate," Robert Penn Warren:  
A Collection of Critical Essays. Edited by J. L.  
Longley Jr. (New York: New York University Press,  
1965). Alphabet. Vol. III, No. 12 (1966), pp. 84 -  
86.
- Hoar, V. M. (Review) Landis, A. The Abraham Lincoln Brigade.  
Globe and Mail Magazine. June 10 (1967), p. 17.
- Hoar, V. M. (Review) "The Mount Everest of the American Left,"  
Brome, V. The International Brigades (New York:  
Morrow, 1966). Canadian Association for American  
Studies Bulletin. Vol. II, No. 1 (1966), pp. 25 -  
35.
- Hultin, N. C. "Dakota Speech in 1894," American Speech.  
Vol. XLI, No. 1 (1966), pp. 65 - 67.
- Klinck, C. F. (Ed.) Dunlop, W. Tiger Dunlop's Upper Canada.  
Introduction by C. F. Klinck. (New Canadian Library  
No. 55) (Toronto: McClelland and Stewart, 1967),  
189 p.
- Klinck, C. F. (Ed.) Richardson, J. Wacousta, or the Prophecy.  
Introduction by C. F. Klinck. (New Canadian Library  
No. 58) (Toronto: McClelland and Stewart, 1967),  
298 p.
- Klinck, C. F. "Annual Bibliography of Commonwealth Literature  
1965: Canada," In The Journal of Commonwealth  
Literature. No. 2 (1966), pp. 39 - 55.

- Klinck, C. F. "New Light on John Norton," Royal Society of Canada. Transactions. Vol. IV, No. 4 (1966), pp. 167 - 177.
- Klinck, C. F. "Canadian Literature 1966: Theses, compiled by C. F. Klinck," Canadian Literature. Vol. XXXII, No. 31 (1967), pp. 94 - 95.
- Klinck, C. F. (Review) Thomas, C. Love and Work Enough (Toronto: University of Toronto Press, 1967). Globe and Mail. Magazine. April 22 (1967), p. 14.
- Klinck, C. F. (Review) "Taste in Literature," On Canadian Literature, 1806 - 1960. Compiled by R. E. Watters and I. F. Bell. (Toronto: University of Toronto Press, 1966). Canadian Literature. No. 29 (1966), pp. 77 - 78.
- McPherson, H. Architecture and Sculpture in Canada (Montreal Canadian Government Pavilion, Expo '67, 1967), 9 p.
- McPherson, H. "Painting and Sculpture 1867 - 1967," In The Canadians, 1867 - 1967. Edited by J. M. S. Careless and R. C. Brown (Toronto: Macmillan of Canada, 1967), pp. 697 - 712.
- McPherson, H. "Towards a Multi-sensory Art," In Ontario/67 (Toronto: Ontario. Department of Economics and Development. Special Projects and Planning Branch, 1967), pp. 58 - 61.
- McPherson, H. (Review) "Ethel Wilson's Gentle Talent," Wilson, E. A Review of Her Full Production. Telegram. Showcase. March 11 (1967), p. 26.
- McPherson, H. (Review) "First and Last Things," Roy, G. The Road Past Altamont (Toronto: McClelland and Stewart, 1966). Canadian Literature. No. 32 (1967), pp. 59 - 60.
- McPherson, H. (Review) "Men and Women - Red All Over," Garner, H. Men and Women (Toronto: Ryerson, 1966). Canadian Literature. No. 31 (1967), pp. 59 - 61.
- McPherson, H. (Review) "The Negro's Muffled Cry," American Negro Short Stories. Edited by J. H. Clarke (Toronto: Fitzhenry and Whiteside, 1966). Telegram. Showcase. November 12 (1966), p. 23.

- McPherson, H. (Review) "Wilder's Unfashionable but Important Fable," Wilder, T. The Eighth Day (Toronto: Fitzhenry and Whiteside, 1967). Telegram. Showcase. April 22 (1967), p. 21.
- Rans, G. "For the Record: A Reply to Reaney," Twenty Cents. Vol. I, No. 3 (1966).
- Rans, G. "A Note on the Region," Twenty Cents. Vol. I, No. 4 (1967).
- Rans, G. "20/20: The New Gallery," Twenty Cents. Vol. I, No. 2 (1966).
- Rans, G. "20/20 Gallery: A Report and a Prediction," Twenty Cents. Vol. I, No. 6 (1967).
- Reaney, J. "The Role of the Inscription in Painting," Canadian Art. Vol. XXIII, October (1966), pp. 41 - 45.
- Woodman, R. G. (Review) Wasserman, E. Shelley's Prometheus Unbound: A Critical Reading (Baltimore: Johns Hopkins Press, 1965). Dalhousie Review. Vol. XLVI, No. 2 (1966), pp. 259 - 260.

## DEPARTMENT OF GEOGRAPHY

- Hossé, H. "A Critical Analysis of Urban and Regional Planning Practices in the Countries of the ECAFE Region," United Nations Economic Commission for Asia and the Far East. Seminar. Planning for Urban and Regional Development. Japan. Proceedings. October 10 - 20 (1966).
- Langtvét, O. P. (Review) Millward, R. Scandinavian Lands (Toronto: Macmillan, 1964). Canadian Geographer. Vol. X, No. 4 (1966), pp. 245 - 246.
- McDaniel, R. (Review) Wood, W. D. and Thoman, R. S. Areas of Economic Stress in Canada (Kingston, Ontario: Queen's University, 1965). Journal of Regional Science. Vol. VI, No. 2 (1966), p. 85.
- Nicholson, N. L. "The Face of the North," In Patterns of Canada. Edited by W. J. Megill (Toronto: Ryerson Press, 1966). pp. 254 - 259.

- Nicholson, N. L. "Geography," In McGraw Hill Directory and Almanac of Canada 1967 (Toronto: McGraw - Hill, 1967), pp. 768 - 780.
- Nicholson, N. L. "Departmental News," Ontario Geography. Vol. I (1967), pp. 60 - 61.
- Packer, R. W. and Subins, G. Workbook in Introductory Physical Geography (Toronto: McGraw - Hill, 1966), 188 p.
- Philbrick, A. B. "Nodal Water Region of North America," In Physical Geography: Outside Readings. Edited by F. Dohrs and L. Sommers (New York: Thomas Y. Crowell Company, 1967), pp. 304 - 310.
- Pleva, E. G. "The Geography Teacher in Ontario," National Association of Secondary School Principals. Bulletin. Vol. L, No 316 (1967), pp. 63 - 67.
- Pleva, E. G. "Lake Erie, an International Lake," Soil Conservation Society of America. Conference. Water and America's Future. Albuquerque, New Mexico. Proceedings (1966), pp. 137 - 139.
- Pleva, E. G. "Pioneering a Permanent Land," C. I. L. Oval. Vol. XXXVI, No. 1 (1967), pp. 27 - 31.
- Pleva, E. G. (Review) Wood, W. D. and Thoman, R. S. Areas of Economic Stress in Canada (Kingston, Ontario: Queen's University, 1965). Canadian Banker. Vol. LXXIII, No. 2 (1966), pp. 126 - 127.
- Simmons, J. W. Toronto's Changing Retail Complex. (Department of Geography Research Series, No. 104) (Chicago: University of Chicago, Geography Department, 1966), 126 p.
- Simmons, J. W. (Review) Wood, W. D. and Thoman, R. S. Areas of Economic Stress in Canada (Kingston, Ontario: Queen's University, 1965). Canadian Geographer. Vol. X, No. 4 (1966), p. 244.
- Simmons, J. W. (Review) Rushton, G. The Spatial Pattern of Grocery Purchases by the Iowa Rural Population (Iowa City: University of Iowa, 1966). Canadian Geographer. Vol. X, No. 4 (1966), p. 254.



Taylor, H. W. (Review) Cole, J. P. Latin America (London: Butterworth, 1965). CAUT Bulletin. Vol. XV, No. 1 (1966 - 1967), pp. 107 - 109.

Whebell, C. F. J. The Cultural Geography of the Norfolk Sand Plain: A Field Trip Guide. (Occasional Paper No. 1) (London, Ontario: Department of Geography, University of Western Ontario, 1966), 38 p.

Whebell, C. F. J. "Dividing the Seas," Globe and Mail Magazine. November 26 (1966), pp. 13 - 14, 24 - 25.

Whebell, C. F. J. "Pre - Confederation Houses in Norfolk County," Ontario History. Vol. LVIII, No. 4 (1966), pp. 225 - 235.

Whebell, C. F. J. (Review) Prescott, J. R. V. Frontiers and Boundaries (Chicago: Aldine, 1965). Canadian Geographer. Vol. X, No. 3 (1966), pp. 195 - 196.

#### DEPARTMENT OF HISTORY

Armstrong, F. H. Scadding, H. Toronto of Old. Abridged and Edited by F. H. Armstrong (Toronto: Oxford University Press, 1966), 430 p.

Armstrong, F. H. "Toronto," In The Americana Annual 1966 (New York: Americana Corporation, 1966), p. 685.

Armstrong, F. H. "The Hamilton Election of 1841: A Contemporary Analysis," Western Ontario Historical Notes. Vol. XXII, No. 2 (1966), pp. 1 - 5.

Armstrong, F. H. "Metropolitanism - Toronto Re-examined - 1825 - 1850," Canadian Historical Association Annual Report (1966), pp. 29 - 40.

Armstrong, F. H. "The Rev. Newton Bosworth: Pioneer Settler on Yonge Street," Ontario History. Vol. LVIII, No. 3 (1966), pp. 163 - 171.

Armstrong, F. H. "Toronto in 1834," Canadian Geographer. Vol. X, No. 3 (1966), pp. 172 - 183.

- Hohner, R. A. (Review) Isaac, P. E. Prohibition and Politics: Turbulent Decades in Tennessee, 1885 - 1920 (Knoxville: University of Tennessee Press, 1965). Virginia Magazine of History and Biography. Vol. LXXIV, No. 3 (1966), pp. 374 - 375.
- Hyatt, A. M. J. "Official History in Canada," Military Affairs: Journal of the American Military Institute. (Vol. XXX, No. 2 (1966), pp. 91 - 100.
- Hyatt, A. M. J. "The Origins of Napoleonic Warfare: A Survey of Interpretations," Military Affairs: Journal of the American Military Institute. Vol. XXX, No. 4 (1966 - 1967), pp. 177 - 185.
- Hyatt, A. M. J. (Review) Worthington, L. Amid the Guns Below (Toronto: McClelland - Stewart, 1965). Canadian Historical Review. Vol. XLVII, No. 3 (1966), pp. 292 - 293.
- Hyatt, A. M. J. (Review) Bishop, W. A. The Courage of the Early Morning: The Story of Billy Bishop (Toronto: McClelland - Stewart, 1965). Canadian Historical Review. Vol. XLVII No. 3 (1966), pp. 292 - 293.
- Hyatt, A. M. J. (Review) Wood, H. F. Strange Battleground: The Operations in Korea and their Effects on the Defence Policy of Canada (Ottawa: Queen's Printer, 1966). Queens Quarterly. Vol. LXXIII, No. 4 (1966), pp. 601 - 602.
- Hyatt, A. M. J. (Review) Swettenham, J. A. To Seize the Victory (Toronto: Ryerson, 1965). Canadian Historical Review. Vol. XLVII, No. 3 (1966), pp. 292 - 293.
- Kerr, D. G. G. and Davidson, R. I. K. Canada: A Visual History (Toronto: Thomas Nelson and Sons (Canada) Limited, 1966), 170 p.
- Neary, P. F. (Review) McCabe, J. O. The San Juan Water Boundary Question (Toronto: University of Toronto Press, 1964). Journal of Commonwealth Political Studies. Vol. IV, No. 2 (1966), pp. 159 - 160.
- Overton, R. C. Burlington West: A Colonization History of the Burlington Railroad (New York: Russell and Russell, 1967), 583 p.

- Overton, R. C. "Company - Scholar Relations," University of Western Ontario. Business History Conference. 14th. Proceedings (1967).
- Wade, M. (Ed.) Canadian - American Planning: 7th Annual Conference on Canadian - American Relations, 1965 (Toronto: University of Toronto Press, 1966), 131 p.
- Wade, M. French Canadians in the U.S. (Writings on Canadian - American Studies) (East Lansing, Michigan: Michigan State University Press, 1966), 14 p.
- Wade, M. "An Introduction to French - Canadian Intellectual History," In LaPierre, L. L. Four O'Clock Lectures: French - Canadian Thinkers of the 19th and 20th Centuries (Montreal: McGill University Press, 1966), pp. 9 - 22.
- Wade, M. (Review) Gluek, A. C. Minnesota and the Manifest Destiny of the Canadian Northwest (Toronto: University of Toronto, 1965). American Historical Review. Vol. LXXII, No. 3 (1967), pp. 1125 - 1126.
- Wade, M. (Review) Masters, D. Protestant Church Colleges in Canada (Toronto: University of Toronto, 1966). Journal of American History. Vol. LIII, No. 4 (1967), pp. 876 - 877.
- Wade, M. (Review) Neatby, H. Quebec, 1760 - 91: The Revolutionary Age (Toronto: McClelland and Stewart, 1966). Globe and Mail. Magazine. December 10 (1966), p. 20.
- Zaslow, M. "The Yukon and the Northwest Territories," In The Canadian Annual Review for 1966. Edited by J. T. Saywell (Toronto: University of Toronto Press, 1966), pp. 173 - 180.
- Zaslow, M. "The Missionary as Social Reformer: The Case of William Duncan," Canadian Church Historical Society. Journal. Vol. VIII, No. 3 (1966), pp. 52 - 69.

## DEPARTMENT OF PSYCHOLOGY

- Chamberlain, L. W. "A Note on Bioluminescence as Measured by Tarusov and its Non-contribution to Entoptic Phenomena," Experimental Eye Research. Vol. VI (1967), pp. 73 - 74.
- Denny, P. J. "Effects of Anxiety and Intelligence on Concept Formation," Journal of Experimental Psychology. Vol. LXXII, No. 4 (1966), pp. 596 - 602.
- Durnford, M. J. "Intellectual Performance and Classroom Behaviour of High and Low Test - Anxious Children," Ontario Journal of Educational Research. Vol. IX (1966 - 1967), pp. 119 - 124.
- Gardner, R. C. "Psychological Adjustments Demanded of Second - Language Learners," National Association of Foreign Student Affairs. Selected Conference Papers. Vol. XII (1966), pp. 51 - 58.
- Jackson, D. N. Personality Research Form, Forms A and B (New York: Research Psychologists Press, 1966).
- Jackson, D. N. "Acquiescence Response Styles: Problems of Identification and Control," In Response Set in Personality Assessment. Edited by I. A. Berg (Chicago: Aldine, 1967), pp. 71 - 114.
- Jackson, D. N. "Group and Individual Regularities in Trait Inference: A Multidimensional Scaling Analysis," Multivariate Behavioral Research. Vol. I (1966), pp. 145 - 163.
- Jackson, D. N. "Judgments, Items and Personality," Journal of Experimental Psychology. Vol. III, No. 2 (1967), pp. 70 - 79.
- Jackson, D. N. "Suspicion of Deception: Implications for Conformity Research," Journal of Personality and Social Psychology. Vol. V (1967), pp. 379 - 389.
- Jackson, D. N. (Review) "Block's The Challenge of Response Sets," Block, J. The Challenge of Response Sets (New York: Appleton - Century - Crofts, 1965). Educational and Psychological Measurements. Vol. XXVII (1967), pp. 207 - 219.

- Knight, R. M. "Effects of Verbal and Tactual Pretraining on a Form-board Task," Canadian Psychologist. Vol. VIIa No. 4 (1966), pp. 384 - 390.
- Lobb, H. "Frustration and Adaptation in Relation to Discrimination Learning Ability of Mentally Defective Children," American Journal of Mental Deficiency. Vol. LXXI, No. 2 (1966), pp. 256 - 265.
- Lobb, H. and Friend, R. "Tactual Form Discrimination with Varying Size and Duration of Exposure," Psychonomic Science. Vol. VII, No. 12 (1967), pp. 415 - 416.
- Lobb, H. and Riese, R. R. "Discrimination Learning in Retarded Children: Nonreward vs. Reward," American Journal of Mental Deficiency. Vol. LXXI, No. 4 (1967), pp. 536 - 541.
- McClelland, W. J. and Coleman, F. D. "Activity and Different Types of Electric Shock Stimuli," Psychonomic Science. Vol. VII, No. 11 (1967), pp. 391 - 392.
- Mogenson, G. J. and Morgan, C. W. "Effects of Induced Drinking on Self - Stimulation of the Lateral Hypothalamus," Experimental Brain Research. Vol. III (1967), pp. 111 - 116.
- Mogenson, G. J. and Morgan, C. W. "Preference of Water - Deprived Rats for Stimulation of the Lateral Hypothalamus Rather than Water," Psychonomic Science. Vol. VI, No. 7 (1966), pp. 337 - 338.
- Mogenson, G. J. and Stevenson, J. A. F. "Drinking and Self - Stimulation with Electrical Stimulation of the Lateral Hypothalamus," Physiology and Behavior. Vol. I, No. 3 (1966), pp. 251 - 254.
- Mogenson, G. J. and Stevenson, J. A. F. "Drinking Induced by Electrical Stimulation of the Lateral Hypothalamus," Experimental Neurology. Vol. XVII, No. 2 (1967), pp. 119 - 127.
- Monjan, A. A. "Cerebellar Lesions and Auditory Thresholds in Cat," Physiology and Behavior. Vol. II, No. 3 (1967), pp. 95 - 96.

- Monjan, A. A. "Chromatic Adaptation in the Macaque," Journal of Comparative and Physiological Psychology. Vol. LXII, No. 1 (1966), pp. 76 - 83.
- Monjan, A. A. and Munson, J. B. "Cerebellar Lesions and Auditory Thresholds in Cat," Physiology and Behavior. Vol. II (1967), pp. 161 - 165.
- Paivio, A. U. "Commentary on a Paper by Van B. O. Hammett," Canadian Medical Association. Journal. Vol. XCVI (1967), p. 768.
- Paivio, A. U. "Latency of Verbal Associations and Imagery to Noun Stimuli as a Function of Abstractness and Generality," Canadian Journal of Psychology. Vol. XX, No. 4 (1966), pp. 378 - 387.
- Paivio, A. U. "Paired - Associate Learning and Free Recall of Nouns as a Function of Concreteness, Specificity, Imagery and Meaningfulness," Psychological Reports. Vol. XX (1967), pp. 239 - 245.
- Paivio, A. U. and Madigan, S. A. "Instructional Effects on Semantic Satiation," Psychonomic Science. Vol. VII, No. 2 (1967), pp. 45 - 46.
- Paivio, A. U. and Steeves, R. "The Relations between Personal Values and the Imagery and Meaningfulness of Value Words," Perceptual and Motor Skills. Vol. XXIV (1967), pp. 357 - 358.
- Paivio, A. U. and Yuille, J. C. "Mediation Instructions and Word Attributes in Paired - Associate Learning," Psychonomic Science. Vol. VIII, No. 2 (1967), pp. 65 - 66.
- Paivio, A. U. and Yuille, J. C. "Word Abstractness and Meaningfulness, and Paired - Associate Learning in Children," Journal of Experimental Child Psychology. Vol. IV (1966), pp. 81 - 89.
- Paivio, A. U., Yuille, J. C. and Smythe, P. C. "Stimulus and Response Abstractness, Imagery, and Meaningfulness and Reported Mediators in Paired - Associate Learning," Canadian Journal of Psychology. Vol. XX, No. 4 (1966), pp. 362 - 377.

- Paivio, A. U. et al. "Effects of a 24 Week Exercise Program on Normal Adults and Patients with Previous Myocardial Infraction," British Medical Journal. Vol. I No. 5542 (1967), pp. 734 - 735.
- Pederson, D. R. "Associative Versus Motivational Interpretations of Reward Percentage Effects on Children's Performance," Psychonomic Science. Vol. VIII, No. 4 (1967), pp. 139 - 140.
- Pederson, D. R. and Bogartz, R. S. "Variables Influencing Alternation Prediction by Preschool Children: II. Redundant Cue Value and Intertrial Interval Duration," Journal of Experimental Child Psychology. Vol. IV, No. 3.
- Reitz, W. E. "Association, Abstraction, and Intelligence," American Psychological Association. Proceedings. Vol. LXXIV (1966), pp. 239 - 240.
- Reitz, W. E. and Rousey, C. L. "Respiratory Changes at Auditory and Visual Thresholds," Psychophysiology. Vol. III, No. 3 (1967), pp. 258 - 261.
- Reitz, W. E. and Thetford, P. E. "Skin Potential Correlates and Rating Assessments of Self - Evaluation Under Different Degrees of Awareness," Perceptual and Motor Skills. Vol. XXIV (1967), pp. 631 - 638.
- Reitz, W. E. and Willner, A. E. "Association, Abstraction and the Conceptual Organization of Recall," Journal of Abnormal Psychology. Vol. LXXI, No. 5 (1966), pp. 315 - 327.
- Rieber, M. "Response Alternation in Children Under Different Schedules of Reinforcement," Psychonomic Science. Vol. IV (1966), pp. 149 - 150.
- Rieber, M. "Role of Stimulus Comparison in Children's Discrimination Learning," Journal of Experimental Psychology. Vol. LXXII, No. 2 (1966), pp. 263 - 270.
- Rieber, M. (Review) "Book Reviews," Osler, S. F. and Cooke, R. E. The Biosocial Basis of Mental Retardation (Baltimore: Johns Hopkins Press, 1965). American Journal of Mental Deficiency. Vol. LXXI, No. 3 (1966), pp. 508 - 512.

- Simpson, H. M. and Craig, K. D. "Word Associations to Homonymic and Neutral Stimuli as a Function of Aggressiveness," Psychological Reports. Vol. XX (1967), pp. 351 - 354.
- Simpson, H. M. and Paivio, A. "Changes in Pupil Size During an Imagery Task without Motor Response Involvement," Psychonomic Science. Vol. V, No. 10 (1966), pp. 405 - 406.
- Simpson, H. M., Paivio, A. and Rogers, T. B. "Occipital Alpha Activity of High and Low Visual Imagers During Problem Solving," Psychonomic Science. Vol. VIII, No. 2 (1967), pp. 49 - 50.
- Van Fleet, F. M., Buy, D. and Bourne, L. E. "Effects of Adding a Stimulus Dimension Prior to a Nonreversal Shift," Journal of Experimental Psychology. Vol. LXXII, No. 2 (1966), pp. 161 - 168.
- Voorhoeve, A. C. and Ryan, T. J. "A Parametric Investigation of Reinforcement Schedule and Sex of S as Related to Acquisition and Extinction of an Instrumental Response," Journal of Experimental Child Psychology. Vol. IV (1966), pp. 189 - 197.
- Watson, P. and Ryan, T. J. "Children's Response Speeds as a Function of Sex and Verbal Reinforcement Schedule," Psychonomic Science. Vol. VI, No. 6 (1966), pp. 271 - 272.
- Watson, P. and Ryan, T. J. "Duration of the Frustration Effect in Children," Journal of Experimental Child Psychology. Vol. IV, No. 3 (1966), pp. 242 - 247.
- Watson, P. and McEwan, R. C. "Effects of Reward Schedule and Chronological Age on Motor Performance of Mental Retardates," Psychonomic Science. Vol. VIII, No. 2 (1967), pp. 61 - 62.

DEPARTMENT OF ROMANCE LANGUAGES

- Burghardt, W. "Antonio Machado (4 Poems in Ukranian Translations)," Novi Poezii (New York). Vol. IX, June (1966), pp. 54 - 56.



- Burghardt, W. "Frederico Garcia Lorca (Poetry Translations into Ukranian), " Novi Poezii (New York). Vol. VIII (1966), pp. 44 - 60.
- Bush, W. S. L'Angoisse du Mystère: Essai sur Bernanos et M. Ouine. (Situations No. 11) (Paris: Midard, 1966), 214 p.
- Bush, W. S. (Review) Blumenthal, G. The Poetic Imaginations of Georges Bernanos (Baltimore: Johns Hopkins Press, 1965). Modern Language Journal. Vol. LI, No. 4 (1967), pp. 233 - 234.
- Sanders, J. B. and Creighton, D. G. A Travers Les Siècles: an Anthology of French Literature (Toronto: MacMillan, 1967), 360 p.
- Shervill, R. N. "Spanish Literature, " In Merit Students Encyclopedia. Vol. XVII (New York: Crowell - Collier, 1967), pp. 314 - 320.

## COLLEGE OF SCIENCE

## DEPARTMENT OF ASTRONOMY

- Wehlau, A. and Hogg, H. S. "A Study of the Variable Stars in the Globular Cluster Messier 14. I. Periods and Light Curves of Twenty Variables, " Toronto. University. David Dunlap Observatory. Publications. Vol. XI, No. 17 (1966), pp. 451 - 475.

## DEPARTMENT OF BOTANY

- Cavers, P. B. and Harper, J. L. "Studies in the Dynamics of Plant Populations. I. The Fate of Seed and Transplants Introduced into Various Habitats, " Journal of Ecology. Vol. LV, No. 1 (1967), pp. 59 - 71.
- Cavers, P. B. and Harper, J. L. "The Comparative Biology of Closely Related Species Living in the Same Area. IX. Rumex: The Nature of Adaptation to a Sea-shore Habitat, " Journal of Ecology. Vol. LV, No. 1 (1967), pp. 73 - 82.

- Cavers, P. B. and Harper, J. L. "Germination Polymorphism in Rumex crispus and Rumex obtusifolius," Journal of Ecology. Vol. LIV, No. 2 (1966), pp. 367 - 382.
- Caten, C. E. et al. "Heterokaryon Incompatibility and Variation in Wild Populations of Aspergillus Nidulans," Heredity. Vol. XXI, Part 2 (1966), pp. 227 - 239.
- Cook, F. S. and Walden, D. B. "The Male Gametophyte of Zea Mays L. III. The Influence of Temperature and Calcium on Pollen Germination and Tube Growth," Canadian Journal of Botany. Vol. XLV, No. 5 (1967), pp. 605 - 613.
- Cumming, B. G. "Early - Flowering Plants," In Wilt, F. H. and Wessels, N. K. Developmental Biology (New York: Thomas Y. Crowell, 1967), pp. 277 - 299.
- Cumming, B. G. "Period of Circadian Rhythms in Light and Darkness: Plants," In Altman, P. L. and Dittmer, D. S. Environmental Biology (Bethesda, Maryland: Federation of American Societies for Experimental Biology, 1966), pp. 570 - 582.
- Cumming, B. G. "Correlations between Periodicities in Germination of Chenopodium Botrys and Variations in Solar Radio Flux," Canadian Journal of Botany. Vol. XLV, No. 7 (1967), pp. 1105 - 1113.
- Jancey, R. C. "Multidimensional Group Analysis," Australian Journal of Botany. Vol. XIV, No. 1 (1966), pp. 127 - 130.
- Jancey, R. C. "The Application of Numerical Methods of Data Analysis to the Genus Phyllota Benth in New South Wales. Australian Journal of Botany. Vol. XIV, No. 1 (1966), pp. 131 - 149.
- Jancey, R. C. "Numerical Methods in Taxonomy," Linnean Society of New South Wales. Proceedings. Vol. XC, Part 3 (1966), pp. 335 - 340.
- Jancey, R. C. "An Investigation of the Genus Phyllota (DC.) Benth. (Leguminosae)," Linnean Society of New South Wales. Proceedings. Vol. XC, Part 3 (1966), pp. 341 - 375.

- Orloci, L. "An Agglomerative Method for Classification of Plant Communities," Journal of Ecology. Vol. LV, No. 1 (1967), pp. 193 - 206.
- Phipps, J. B. "Studies in the Arundinelleae (Gramineae). V. The Series of the Genus Arundinella," Canadian Journal of Botany. Vol. XLV, No. 7 (1967), pp. 1047 - 1057.
- van Huystee, R. B. and Cherry, J. H. "Effect of X-irradiation and Post Irradiation Storage of Peanut Seed on Nucleic and Metabolism in Cotyledons," Radiation Botany. Vol. VII, No. 3 (1967), pp. 217 - 223.
- van Huystee, R. B. and Cherry, J. H. "Hybridization of Messenger RNA with DNA from Plants," Biochemical and Biophysical Research Communications. Vol. XXIII, No. 6 (1966), pp. 835 - 841.

## DEPARTMENT OF CHEMISTRY

- Baldwin, H. W. and Holyer, R. H. "Oxygen Exchange between Chromium (VI) Oxyanions and Water," Canadian Journal of Chemistry. Vol. XLV, No. 4 (1967), pp. 413 - 419.
- Baldwin, H. W. and Poulton, D. J. "Oxygen Exchange between Carbonate and Bicarbonate Ions and Water. I. Exchange in the Absence of Added Catalysts," Canadian Journal of Chemistry. Vol. XLV, No. 10 (1967), pp. 1045 - 1050.
- Bidinosti, D. R. and McIntyre, N. S. "Electron Impact Study of Some Binary Metal Carbonyls," Canadian Journal of Chemistry. Vol. XLV, No. 6 (1967), pp. 641 - 648.
- Bidinosti, D. R. and McIntyre, N. S. "The Metal - Metal Bond Dissociation Energy in Cobalt Octacarbonyl," Chemical Communications. No. 1 (1967), pp. 1 - 2.
- Bidinosti, D. R. and McIntyre, N. S. "The Metal - Metal Bond Dissociation Energy in Manganese Carbonyl," Chemical Communications. No. 15 (1966), p. 555.
- Clark, H. C. "Organometallic Chemistry of the Heavier Group III Metals," New York Academy of Sciences. Transactions. Series II. Vol. XXIX, No. 1 (1966), pp. 47 - 52.

- Clark, H. C. and Beveridge, A. D. "Tricobalt Enneacarbonyl Derivatives Formed in the Fluorination of Sn-Co Bonds with Fluoro-Olefins," Inorganic and Nuclear Chemistry Letters. Vol. III, No. 3 (1967), pp. 95 - 97.
- Clark, H. C. and Carey, N. A. D. "Metal - Metal Stretching Frequencies," Chemical Communications. No. 6 (1967), pp. 292 - 293.
- Clark, H. C. and Goel, R. G. "Reactions of Organotin Compounds VII. Dimethyltin Derivatives," Journal of Organometallic Chemistry. Vol. VII (1967), pp. 263 - 272.
- Clark, H. C. and Pickard, A. L. "Organoindium Chemistry. I. A Convenient Preparation of Dimethylindium (III) Derivatives," Journal of Organometallic Chemistry. Vol. VIII (1967), pp. 427 - 434.
- Clark, H. C. and Tsai, J. H. "Bonding in Fluorinated Organometallic Compounds," Journal of Organometallic Chemistry. Vol. VII (1967), pp. 515 - 517.
- Clark, H. C. and Tsai, J. H. "The Reactivity of Metal - Metal Bonds. II. The Tin - Manganese Bond," Inorganic Chemistry. Vol. V, No. 8 (1966), pp. 1407 - 1415.
- Clark, H. C. and Tsang, W. S. "Chemistry of Metal Hydrides. I. Reactions of Some Platinum (II) Hydrides," American Chemical Society. Journal. Vol. LXXXIX, No. 3 (1967), pp. 529 - 533.
- Clark, H. C. and Tsang, W. S. "Chemistry of Metal Hydrides. II. Spectroscopic Studies of Fluorovinylplatinum (II) Derivatives," American Chemical Society. Journal. Vol. LXXXIX, No. 3 (1967), pp. 533 - 539.
- Clark, H. C., Bichler, R. E. J. and Booth, M. R. "Organometallic Derivatives of Cyclobutene," Inorganic and Nuclear Chemistry Letters. Vol. III, No. 3 (1967), pp. 71 - 74.
- Clark, H. C., Cotton, J. D. and Tsai, J. H. "The Reactivity of Metal - Metal Bonds. III. The Germanium - Manganese Bond," Inorganic Chemistry. Vol. V, No. 9 (1966), pp. 1582 - 1586.

- Clark, H. C., Cyr, N. and Tsai, J. H. "Nuclear Magnetic Resonance Spectra of Some Fluorinated Organotin Compounds," Canadian Journal of Chemistry. Vol. XLV, No. 10 (1967), pp. 1073 - 1078.
- Clark, H. C. et al. "An Unexpected Product in the Reaction of  $\text{PtHCl}(\text{P}(\text{C}_2\text{H}_5)_3)_2$  with  $\text{C}_2\text{F}_4$ . The Structure of the  $\text{PtCl}(\text{CO})(\text{P}(\text{C}_2\text{H}_5)_3)_2$  + Cation and Evidence for the Existence of  $\text{SiF}_5^-$  Ion," American Chemical Society. Journal. Vol. LXXXIX, No. 13 (1967), pp. 3360 - 3361.
- de Mayo, P. and Aberhart, D. J. "Mould Metabolites - V. The Constitution of Ergoxanthin," Tetrahedron. Vol. XXII (1966), pp. 2359 - 2366.
- de Mayo, P. and Endo, K. " $\alpha$ -Vetivone," Chemical Communications. No. 2 (1967), pp. 89 - 90.
- de Mayo, P. and Ryan, J. J. "Isamic Acid: An Azomethine Imine," Chemical Communications. No. 2 (1967), pp. 88 - 89.
- de Mayo, P. and Ryan, J. J. "The Photochemical Rearrangement of an Ylid," Tetrahedron Letters. No. 9 (1967), pp. 827 - 829
- de Mayo, P., McIntosh, C. L. and Yip, R. W. "The Photolysis of  $\beta$ -Ketosulphones: An Intramolecular Rearrangement," Tetrahedron Letters. No. 1 (1967), pp. 37 - 42.
- de Mayo, P. et al. "Terpenoids. XIV. The Constitution and Biogenesis of Marasmic Acid," American Chemical Society. Journal. Vol. LXXXVIII, No. 12 (1966), pp. 2838 - 2844.
- Hunter, D. H. and Cram, D. J. "Electrophilic Substitution at Saturated Carbon. XXVIII. The Stereochemical Capabilities of Vinyl Anions," American Chemical Society. Journal. Vol. LXXXVIII, No. 24 (1966), pp. 5765 - 5776.
- Jacobs, P. W. M. "Kinetics and Mechanism of the Decomposition of Ammonium Perchlorate," Chemical Propulsion Information Agency. Interagency Chemical Rocket Propulsion Group. 3rd Combustion Conference. Proceedings (CPIA Publications. Vol. I) No. 138 (1966), pp. 19 - 25.

- Jacobs, P. W. M. and Beaumont, J. H. "Effect of Gaseous Impurities on the Structure - Sensitive Conductance of Potassium Chloride Single Crystals," Physica Status Solidi. Vol. XVII, No. 2 (1966), pp. K45 - K48.
- Jacobs, P. W. M. and Beaumont, J. H. "Energy and Entropy Parameters for Vacancy Formation and Mobility in Ionic Crystals from Conductance Measurements," Journal of Chemical Physics. Vol. XLV, No. 5 (1966), pp. 1496 - 1502.
- Jacobs, P. W. M. and Beaumont, J. H. "Polarization in Potassium Chloride Crystals," Journal of Physics and Chemistry of Solids. Vol. XXVIII, No. 4 (1967), pp. 657 - 667.
- Jacobs, P. W. M. and Bond, B. D. "Chemical Reaction and Ignition in Mixtures of Magnesium and Sodium Nitrate," Combustion and Flame. Vol. X, No. 4 (1966), pp. 349 - 354.
- Jacobs, P. W. M. and Bond, B. D. "The Thermal Decomposition of Sodium Nitrate," Chemical Society. Section A. London. Journal. No. 9 (1966), pp. 1265 - 1268.
- Jacobs, P. W. M. and Facey, O. E. "Photochemical Properties of SH Ions in KCl and KBr Crystals," Physica Status Solidi. Vol. XIX, No. 2 (1967), pp. 565 - 576.
- Jacobs, P. W. M. and Russell-Jones, A. "The Thermal Decomposition and Ignition of Mixtures of Ammonium Perchlorate + Copper Chromite," In Combustion Institute. Eleventh Symposium (International) on Combustion (Pittsburgh: Combustion Institute, 1967), pp. 457 - 472.
- Jacobs, P. W. M. and Russell-Jones, A. "On the Mechanism of the Decomposition of Ammonium Perchlorate," AIAA Journal. Vol. V, No. 4 (1967), pp. 829 - 830.
- Jacobs, P. W. M. and Russell-Jones, A. "The Infrared Spectrum and Thermal Decomposition of Hydrazine Perchlorate Hemihydrate," Canadian Journal of Chemistry. Vol. XLIV, No. 20 (1966), pp. 2435 - 2443.
- Jacobs, P. W. M., Maycock, J. N. and Pai Verneker, V. R. "Mass - Spectrometric Study of the Thermal Decomposition of Ammonium Perchlorate," Journal of Chemical Physics. Vol. XLVI, No. 7 (1967), pp. 2857 - 2858.

- Kidd, R. G. "Relationship between Oxygen - 17 Nuclear Magnetic Resonance Chemical Shifts and  $\pi$ - Bonding to Oxygen in the Dichromate Ion," Canadian Journal of Chemistry. Vol. XLV, No. 6 (1967), pp. 605 - 608.
- King, J. F. and Allbutt, A. D. "Stereoselectivity in the Hydrolysis of Acyloxonium Ions and Ortho Esters Fused to Rigid Six - Membered Rings," Tetrahedron Letters (1967) pp. 49 - 54.
- King, J. F. and Durst, T. "Organic Sulfur Mechanisms 5. Photolysis of Unsaturated Sultams and the Question of Abnormal Addition to Sulfens," Canadian Journal of Chemistry. Vol. XLIV, No. 15 (1966), pp. 1869 - 1872.
- Meath, W. J. "Relativistic Interaction Energies between Atoms in Degenerate States," Journal of Chemical Physics. Vol. XLV, No. 12 (1966), pp. 4519 - 4527.
- Meath, W. J. and Hirschfelder, J. O. "Relativistic Intermolecular Forces, Moderately Long Range," Journal of Chemical Physics. Vol. XLIV, No. 9 (1966), pp. 3197 - 3209.
- Meath, W. J. and Hirschfelder, J. O. "Long - Range (Retarded) Intermolecular Forces," Journal of Chemical Physics. Vol. XLIV, No. 9 (1966), pp. 3210 - 3215.
- Meath, W. J., Power, E. A. and Hirschfelder, J. O. "Spin - Spin Interaction for Very Large Atomic Separations," Physical Review Letters. Vol. XVII, No. 15 (1966), pp. 799 - 800.
- Prevedorou-Demas, C. and Bradley, D. C. "Metal Oxide Trialkylsilyloxi-oxide Polymers. Part III. Tantalum Oxide Trimethylsilyloxi-oxide Polymers," Chemical Society. London. Journal. Section A. No. 9 (1966), pp. 1139 - 1141.
- Prevedorou-Demas, C. and Bradley, D. C. "Metal Oxide Trialkylsilyloxi-oxide Polymers. Part IV. Titanium Oxide Triethylsilyloxi-oxide Polymers," Chemical Society. London. Journal. Section A. No. 1 (1967), pp. 43 - 44.
- Stothers, J. B. and Buchanan, G. W. "Conformational Free Energy of the Formyl Group as Determined by  $^1\text{H}$  Nuclear Magnetic Resonance," Chemical Communications. No. 4 (1967), pp. 179 - 180.

- Stothers, J. B. and Dhamsi, K. S. "<sup>13</sup>C N.M.R. Studies VIII. <sup>13</sup>C Spectra of Some Substituted Anisoles," Canadian Journal of Chemistry. Vol. XLIV, No. 23 (1966), pp. 2855 - 2866.
- Stothers, J. B. and Dhamsi, K. S. "<sup>13</sup>C N.M.R. Studies X. <sup>13</sup>C Spectra of Some Substituted Methyl Benzoates," Canadian Journal of Chemistry. Vol. XLV, No. 3 (1967), pp. 233 - 238.
- Stothers, J. B. and Marr, D. H. "<sup>13</sup>C N.M.R. Studies IX. Carbonyl Carbon Shieldings of Some Cyclopropyl Ketones," Canadian Journal of Chemistry. Vol. XLV, No. 3 (1967), pp. 225 - 231.
- Stothers, J. B., Buchanan, G. W. and Ross, D. A. "A New Approach to Conformational Analysis. Carbon - 13 Nuclear Magnetic Resonance," American Chemical Society Journal. Vol. LXXXVIII, No. 18 (1966), pp. 4301 - 4302.
- Stothers, J. B., Gurudata and Klinck, R. E. "Nuclear Magnetic Resonance Studies X. Determination of the Thermodynamic Parameters of the Self - Association of Tricyclic Aromatic Aldehydes in Solution," Canadian Journal of Chemistry. Vol. XLV, No. 3 (1967), pp. 213 - 219.
- Stothers, J. B., Klinck, R. E. and Marr, D. H. "Restricted Rotation in Substituted Acetophenones and Benzaldehydes, an Interesting Solvent Effect," Chemical Communications. No. 8 (1967), pp. 409 - 410.
- Stothers, J. B., Talman, J. D. and Gurudata "Nuclear Magnetic Resonance Studies XI. Vinyl Proton Chemical Shifts of Coupling Constants of Some Substituted Styrenes," Canadian Journal of Chemistry. Vol. XLV, No. 7 (1967), pp. 731 - 737.
- Warnhoff, E. W. and Marshall, D. R. "α - Halo Ketones. IV. Reductive Dehalogenation by Substituted Pyridines," Journal of Organic Chemistry. Vol. XXXII, No. 6 (1967), pp. 2000 - 2003.
- Warnhoff, E. W. and Srinivasan, V. "Treibs' 119° Glycol; Trans-annular Attack at the Tertiary Carbon of a Secondary - Tertiary Expoxide," Canadian Journal of Chemistry. Vol. XLIV, No. 19 (1966), pp. 2259 - 2267.



Warnhoff, E. W. and Valverde Lopez, S. "A One - Step Conversion of Carbon Atom Asymmetry into Biphenyl Asymmetry and Its Relation to the Absolute Configuration of Caranine," Tetrahedron Letters. No. 28 (1967), pp. 2723 - 2727.

Willis, C. J. and Redwood, M. E. "Fully Fluorinated Alkoxides. Part II. Ethoxides, Propoxides and Butoxides," Canadian Journal of Chemistry. Vol. XLV, No. 4 (1967), pp. 389 - 395.

Willis, C. J., Janzen, A. F. and Rodesiler, P. F. "Electrophilic Reactions of Hexafluoroacetone," Chemical Communications. No. 19 (1966), pp. 672 - 673.

#### DEPARTMENT OF COMPUTER SCIENCE

Dunham, C. B. "Simultaneous Chebyshev Approximation of Functions on an Interval," American Mathematical Society. Proceedings. Vol. XVIII, No. 3 (1967), pp. 472 - 477.

#### DEPARTMENT OF GEOLOGY

Church, W. R. "Geology of the Burlington Peninsula North - East Newfoundland" (Abstract). Geological and Mineralogical Associations of Canada. Annual Meetings. September 12 - 13, 1966. Technical Program (1966), p. 11.

Church, W. R. and Young, G. M. "The Huronian System in the Sudbury District and Adjoining Areas of Ontario: A Review," Geological Association of Canada. Proceedings. Vol. XVII (1966), pp. 65 - 82.

Dreimanis, A. "Lake Arkona - Whittlesey and Post - Warren Radio-carbon Dates from 'Ridgetown Island' in Southwestern Ontario," Ohio Journal of Science. Vol. LXVI, No. 6 (1966), pp. 582 - 586.

Dreimanis, A. "The Susacá - Interstadial and the Subdivision of the Late - Glacial. A Discussion," Geologie en Mijnbouw. Vol. XLV, No. 12 (1966), pp. 445 - 448.

Dreimanis, A. and Quigley, R. M. "Secondary Aragonite in a Soil Profile," Earth and Planetary Science Letters. Vol. I, No. 5 (1966), pp. 348 - 350.

- Dreimanis, A. and Westgate, J. A. "Volcanic Ash Layers of Recent Age at Banff National Park, Alberta, Canada," Canadian Journal of Earth Sciences. Vol. IV, No. 1 (1967), pp. 155 - 161.
- Edgar, A. D. "The -  $\text{LiAlSi}_2\text{O}_6$  (Spodumene) Transition in the Range 5,000 - 45,000  $\text{P}_{\text{Si}} \text{P}_{\text{H}_2\text{O}}$ " (Abstract). International Mineralogical Association, Cambridge. Open Sessions. August - September (1966).
- Edgar, A. D. and Nolan, J. "Phase Relations in the System  $\text{NaAlSi}_3\text{O}_8$  (Albite) -  $\text{NaAlSiO}_4$  (Repheline) -  $\text{NaFeSi}_2\text{O}_6$  (Acmite) -  $\text{CaMgSi}_2\text{O}_6$  (Diposida) -  $\text{H}_2\text{O}$  and Its Importance in the Genesis of Alkaline Unsaturated Rocks," In International Mineralogical Association. General Meeting. 4th. Papers (Mysore: Mineralogical Society of India, 1966), pp. 176 - 181.
- Edgar, A. D. and Piotrowski, J. M. "Melting Relations in Alkaline Rocks" (Abstract). Canadian Mineralogist. Vol. VIII, No. 5 (1966), p. 672.
- Edgar, A. D., Ermanovics, I. F. and Currie, K. L. "Evidence Bearing on the Origin of the Belleoram Stock, Southern Newfoundland," Canadian Journal of Earth Sciences. Vol. IV, No. 3 (1967), pp. 413 - 433.
- Farvolden, R. N. and Williams, R. E. "The Influence of Joints on the Movement of Ground Water through Glacial Till," Journal of Hydrology. Vol. V, No. 2 (1967), pp. 163 - 170.
- Fleet, M. E. "Spectrophotometric Method for Determining Trace Amounts of Boron in Rocks and Minerals," Analytical Chemistry. Vol. XXXIX, No. 2 (1967), pp. 253 - 255.
- Lenz, A. C. "Upper Silurian and Lower Devonian Paleontology and Correlations, Royal Creek, Yukon Territory: A Preliminary Report," Bulletin of Canadian Petroleum Geology. Vol. XIV, No. 4 (1966), pp. 604 - 612.
- Lenz, A. C. et al. "Skenidioides and Leptuenisca in the Lower Devonian of Australia (Victoria, Tasmania) and New Zealand, with Notes on Other Devonian Occurrences of Skenidioides," Royal Society of Victoria. Proceedings. Vol. LXXIX, Part 2 (1966), pp. 363 - 369.

- Starkey, J. "On the Relationship of Pericline and Albite Twinning to the Composition and Structural State of Plagioclase Feldspars," Schweizerische Mineralogische und Petrographische Mitteilungen. Vol. XLVII, No. 1 (1967), pp. 257 - 268.
- Winder, C. G. "Conodont Zones and Stratigraphic Variability in Upper Devonian Rocks, Ontario," Journal of Paleontology. Vol. XL, No. 6 (1966), pp. 1275 - 1293.
- Winder, C. G. and Brigham, R. J. "Structural Geology of Paleozoic Sediments in Southwestern Ontario," Ontario Petroleum Institute. 5th Annual Conference. Technical Session. Vol. V, No. 4 Paper 2 (1966), 22 p.
- Young, G. M. "Directional Sedimentary Structures in Huronian Rocks of the North Shore of Lake Huron" (Abstract). Conference on Great Lakes Research. 10th and First Meeting of the International Association for Great Lakes Research. Proceedings. (1967), p. 28.
- Young, G. M. "Discussion: Passive Continents, Spreading Sea Floors, and Continental Rises," American Journal of Science. Vol. CCLXV, No. 3 (1967), pp. 225 - 230.
- Young, G. M. "Huronian Stratigraphy of the McGregor Bay Area, Ontario: Relevance to the Paleogeography of the Lake Superior Region. A Reply to Discussion by M. J. Frarey," Canadian Journal of Earth Sciences. Vol. III, No. 7 (1966), pp. 999 - 1002.
- Young, G. M. "Possible Organic Structures in Early Proterozoic (Huronian) Rocks of Ontario," Canadian Journal of Earth Sciences. Vol. IV, No. 3 (1967), pp. 565 - 568.

#### DEPARTMENT OF GEOPHYSICS

- Mereu, R. F. "A Polarization Study of P Head Waves from the Lake Superior Experiment," In The Earth Beneath the Continents. (Geophysical Monograph 10). Edited by J. S. Steinhart and T. Jefferson Smith (Washington: American Geophysical Union, 1966), pp. 205 - 217.

- Mereu, R. F. and Hunter, J. A. "The Crust of the Earth Under Hudson Bay" (Abstract). Seismological Society of America. Eastern Section. Earthquake Notes. Vol. XXXVII, No. 4 (1966), pp. 14 - 15.
- Mereu, R. F. and Hunter, J. A. "The Structure of the Crust and Upper Mantle Across the Superior - Churchill Boundary from Early Rise Data" (Abstract). Physics in Canada. Vol. XXIII, No. 2 (1967), p. 97.

## DEPARTMENT OF MATHEMATICS

- Barbeau, E. J. "Subordinate and Pseudo - Subordinate Semi - Algebras," Canadian Journal of Mathematics. Vol. XIX, No. 1 (1967), pp. 212 - 224.
- Borwein, D. "On a Method of Summability Equivalent to the Cesàro Method," London Mathematical Society. Journal. Vol. XLII, Part 2 (1967), pp. 339 - 343.
- Borwein, D. and Sawyer, B. L. R. "On Borel Type Methods," Mathematical Journal. Second Series. Vol. XVIII, No. 3 (1966), pp. 283 - 298.
- Saleh, A. K. M. E. "Estimation of the Parameters of the Exponential Distribution Based on Optimum Order Statistics in Censored Samples," Annals of Mathematical Statistics. Vol. XXXVII, No. 6 (1966), pp. 1717 - 1735.
- Sawyer, B. L. R. "Theorems on Strong Riesz Summability Factors," Edinburgh Mathematical Society. Series II. Proceedings. Vol. XV, Part 1 (1966), pp. 19 - 27.
- Subrahmaniam, K. "Some Contributions to the Theory of Non - Normality - I (Univariate Case)," Sankhya. Series A. Vol. XXVIII, Part 4 (1966), pp. 389 - 406.

## DEPARTMENT OF ZOOLOGY

- Battle, H. E. and Anderson, P. D. "Effects of Chloramphenicol on the Development of the Zebrafish, Brachydanio rerio," Canadian Journal of Zoology. Vol. XLV, No. 2 (1967), pp. 191 - 204.

- Bourns, T. K. R. "Plagiorchis noblei in Nestling Red - Winged Blackbirds," Journal of Parasitology. Vol. LII, No. 5 (1966), p. 974.
- Bourns, T. K. R. "Serological Relationships among Some North American Thrushes," Canadian Journal of Zoology. Vol. XLV, No. 1 (1967), pp. 97 - 99.
- Bourns, T. K. R., Rau, M. E. and Ellis, J. C. "Course of Infection by the Schistosome Trematode, Trichobilharzia ocellate, in the Black Duck, Anas rubripes" (Abstract). Wild-life Disease Association. Bulletin. Vol. III, No. 2 (1967), p. 87.
- Bourns, T. K. R., Rubin, L. F. and Lord, L. H. "Hemeralopia in Dogs: Heredity of Hemeralopia in Alaskan Malamutes," American Journal of Veterinary Research. Vol. XXVIII, No. 123 (1967), pp. 355 - 357.
- Brown, A. W. A. "Entomology Looks at its Mission: Safer Chemical Control of Insects," Entomological Society of America. Bulletin. Vol. XIII, No. 2 (1967), pp. 95 - 99.
- Brown, A. W. A. "Mechanisms and Inheritance of Resistance and Selection of Resistance Potential in Aedes aegypti," World Health Organization. Bulletin. Vol. XXXVI, No. 4 (1967), pp. 578 - 580.
- Brown, A. W. A. "Research Needs and Priorities: Biochemistry," World Health Organization. Bulletin. Vol. XXXVI, No. 4 (1967), pp. 650 - 652.
- Brown, A. W. A. "Summary of Symposium," Mosquito News. Vol. XXVI, No. 3 (1966), pp. 337 - 340.
- Brown, A. W. A. and Khan, M. A. Q. "Lipids and Dieldrin Resistance in Aedes aegypti," Journal of Economic Entomology. Vol. LIX, No. 6 (1966), pp. 1512 - 1514.
- Brown, A. W. A. and Tadano, T. "Developments of Resistance to Various Insecticides in Culex pipiens fatigans Wiedemann," World Health Organization. Geneva. Bulletin. Vol. XXXV, No. 2 (1966), pp. 189 - 201.

- Brown, A. W. A. and Tadano, T. "Genetical Linkage Relationships of DDT - Resistance and Dieldrin - Resistance in Culex pipiens fatigans," World Health Organization. Bulletin. Vol. XXXVI, No. 1 (1967), pp. 101 - 111.
- Brown, A. W. A., Inwang, E. E. and Khan, M. A. Q. "DDT - Resistance in West African and Asian Strains of Aedes aegypti (L.)," World Health Organization. Bulletin. Vol. XXXVI, No. 3 (1967), pp. 409 - 421.
- George, J. A. "Effect of Mating Sequence on Egg - Hatch from Female Aedes aegypti (L.) Mated with Irradiated and Normal Males," Mosquito News. Vol. XXVII, No. 1 (1967), pp. 82 - 86.
- George, J. A. and Davidson, T. R. "Virus Assay of Seeds from Selected Montmorency Cherry Trees," Canadian Journal of Plant Sciences. Vol. XLVI, No. 5 (1966), pp. 501 - 505.
- Holsworth, W. N. "Population Dynamics of the Quokka, Setonix brachyurus, on the West End of Rottnest I., Western Australia. I. Habitat and Distribution of the Quokka," Australian Journal of Zoology. Vol. XV, No. 1 (1967), pp. 29 - 46.
- Judd, W. W. "Spiders and their Insect Prey from Heads of Ox - Eye Daisy, Chrysanthemum leucanthemum L., in Southwestern Ontario," Entomological Society of Ontario. Proceedings. Vol. XCV (1965), pp. 137 - 139.
- Judd, W. W. "Studies of the Byron Bog in Southwestern Ontario. XXIII. Insects Associated with Flowering Leatherleaf, Chamaedaphne calyculata (L.) Moench," American Microscopical Society. Transactions. Vol. LXXXV, No. 2 (1966), pp. 302 - 305.
- Judd, W. W. "Studies of the Byron Bog in Southwestern Ontario. XXIV. Distribution of Fingernail and Pill Clams (Pelecypoda: Sphaeriidae)," Canada National Museum. Natural History Papers. No. 33 (1966), pp. 1 - 3.
- Judd, W. W. "Studies of the Byron Bog in Southwestern Ontario. XXVI. Distribution of Shrubs and Vines," Michigan Botanist. Vol. V, No. 2 (1966), pp. 51 - 56.

- Judd, W. W. "Terrestrial Sowbugs (Crustacea: Isopoda) in the Vicinity of London, Ontario," Canadian Field - Naturalist. Vol. LXXIX, No. 3 (1965), pp. 197 - 202.
- Judd, W. W. "Two Black Widow Spiders (Latrodectus variolus Walckenaer) in Southwestern Ontario," Ontario Field Biologist. No. 19 (1965), pp. 24 - 25.
- Judd, W. W. and Singh, S. B. "A comparative Study of the Aelementary Canal of Adult Calyptrate Diptera," Entomological Society of Ontario. Proceedings. Vol. XCVI (1966), pp. 29 - 80.
- Keenleyside, M. H. A. "Effects of Forest Spraying with DDT in New Brunswick on Food of Young Atlantic Salmon," Fisheries Research Board. Journal. Vol. XXIV, No. 4 (1967), pp. 807 - 822.
- Keenleyside, M. H. A. and Clark, F. W. "Reproductive Isolation between the Sunfish Lepomis gibbosus and L. macrochirus," Fisheries Research Board. Journal. Vol. XXIV, No. 3 (1967), pp. 495 - 514.
- Keenleyside, M. H. A. and Gibson, R. J. "Responses to Light of Young Atlantic Salmon (Salmo salar) and Brook Trout (Salvelinus fontinalis)," Fisheries Research Board. Journal. Vol. XXIII, No. 7 (1966), pp. 1007 - 1024.
- MacInnes, C. D. "Population Behavior of Eastern Arctic Canada Geese," Journal of Wildlife Management. Vol. XXX, No. 3 (1966), pp. 536 - 553.
- MacInnes, C. D. (Review) Hanson, H. C. The Giant Canada Goose (Carbondale: Southern Illinois University Press, 1965). Wilson Bulletin. Vol. LXXIX, No. 1 (1967), pp. 125 - 126.
- Misra, R. K. "Intra - and Inter - Specific Competition in Two Sibling Species of Drosophila, D. Melanogaster and D. Simulans. II. Inheritance of Body - Size and Correlated Responses in Fecundity and Fertility of D. Simulans," Journal of Genetics. Vol. LIX, No. 3 (1966), pp. 275 - 282.

- Misra, R. K. "Vectorial Analysis for Genetic Clines in Body Dimensions in Populations of Drosophila subobscura Coll. and a Comparison with those of D. Robusta Sturt," Biometrics. Vol. XXII, No. 3 (1966), pp. 469 - 487.
- Purko, J. and Stewart, H. B. "The Mechanism of Pyridine Nucleotide Synthesis in Ehrlich Ascites Carcinoma and Host Liver," Canadian Journal of Biochemistry. Vol. XLV, No. 2 (1967), pp. 179 - 190.
- Scott, D. M. "Postjuvenal Molt and Determination of Age of the Cardinal," Bird - Banding. Vol. XXXVIII, No. 1 (1967), pp. 37 - 51.
- Stinson, R. H. and Ogilvie, D. M. "The Effect of Age on Temperature Selection by Laboratory Mice (Mus musculus)," Canadian Journal of Zoology. Vol. XLIV, No. 4 (1966), pp. 511 - 517.
- Stinson, R. H. and Ogilvie, D. M. "Temperature Selection in Peromyscus and Laboratory Mice, Mus musculus," Journal of Mammalogy. Vol. XLVII, No. 4 (1966), pp. 655 - 660.

TALBOT COLLEGE

DEPARTMENT OF CLASSICS

- Gerber, D. E. (Review) Dietrich, B. C. Death, Fate and the Gods (Toronto: 1966), Phoenix. Vol. XX, No. 3 (1966), pp. 268 - 269.
- Hill, D. E. "The Manuscript Tradition of the Thebaid," Classical Quarterly. Vol. XVI, No. 2 (1966), pp. 333 - 346.
- Timothy, H. B. "Alexander Tilloch Galt: Forerunner of Federation," London Free Press. January 21 (1967), p. 39.
- Timothy, H. B. "The Founding of Goderich," Goderich Signal - Star. January 5 (1967).
- Timothy, H. B. "Galt of Sherbrooke," Sherbrooke Daily Record. January 3, 4, 5, 6 (1967).



- Timothy, H. B. "The Genius of Alexander Tilloch Galt," Sherbrooke Daily Record. Centennial Review of the Eastern Townships. March 18 (1967).
- Timothy, H. B. "Guelph and the Galts," Guelph Daily Mercury. June 30 (1967).
- Timothy, H. B. "He Blazed the Confederation Trail: The Story of Sir Alexander Tilloch Galt," Lethbridge Herald. June 30 (1967).
- Timothy, H. B. "Sir Alexander Galt and Confederation," Ottawa Citizen. June 27 (1967).
- Timothy, H. B. "Sir Alexander Galt and Confederation," Intelligencer. Belleville. June 27 (1967).
- Timothy, H. B. (Review) Sinaiko, H. L. Love, Knowledge, and Discourse in Plato (Toronto: University of Toronto Press, 1965). Phoenix. Vol. XXI, No. 1 (1967), pp. 64 - 65.
- Timothy, H. B. (Review) Dodds, E. R. Pagan and Christian in an Age of Anxiety (Cambridge, United Kingdom: Cambridge University Press, 1965). Journal for the Scientific Study of Religion. Vol. V, No. 3 (1966), pp. 463 - 464.

## DEPARTMENT OF ENGLISH

- Morrissey, L. J. "As You Like It as the Augustans Liked It," American Notes and Queries. Vol. V, No. 7 (1967), pp. 102 - 104.

## DEPARTMENT OF GERMAN

- Kalbfleisch, H. K. "The Early German Newspapers of Eastern Canada," Seminar: A Journal of Germanic Studies. Vol. III, No. 1 (1967), pp. 21 - 36.
- Kalbfleisch, H. K. "The Letters of Joe Klotzkopp, Esq.," Kitchener - Waterloo Record. 2 July 1966 - 24 June 1967.

- Spencer, H. (Review) "Heinrich Heine (Comparative Review of Two Anthologies)," Fairley, B. Heinrich Heine: Selected Poems (Oxford: Clarendon, 1965). Seminar: A Journal of Germanic Studies. Vol. II, No. 1 (1966), pp. 68 - 70.
- Tracy, G. L. (Review) Samuel, R. Selected Writings (Melbourne: University of Melbourne, 1967). Seminar: A Journal of Germanic Studies. Vol. III, No. 1 (1967), pp. 71 - 72.

## DEPARTMENT OF PHILOSOPHY

- Block, I. (Review) Aristotle's Categories and De Interpretatione. Translated by J. L. Ackrill (Oxford: Oxford University Press, 1963). Dialogue. Vol. V, No. 3 (1966), pp. 452 - 455.
- Block, I. (Review) Grene, M. Portrait of Aristotle (London: Faber, 1963). Philosophy and Phenomenological Research. Vol. XXVI, No. 4 (1966).
- Buchdahl, G. "Semantic Sources of the Concept of Law," Synthese. Vol. XVII, No. 1 (1967), pp. 54 - 57.
- Butts, R. E. "Discussion: Feyerabend and the Pragmatic Theory of Observation," Philosophy of Science. Vol. XXXIII, No. 4 (1966), pp. 383 - 394.
- Wilson, W. K. "A Note on Significant and Contrast Arguments," Australasian Journal of Philosophy. Vol. XLIV (1966), pp. 338 - 343.
- Wilson, W. K. and Hockney, D. J. "Defence of a Relevance Condition," Logique et Analyze. Vol. VIII, No. 31 (1966), pp. 211 - 220.

## DEPARTMENT OF POLITICAL SCIENCE

- Beecroft, E. The Municipality's Role in Water Management (Ottawa: Canadian Federation of Mayors and Municipalities, 1966). 40 p.

- Beecroft, E. "Financial Planning and Regional Development," Canadian Public Administration. Vol. IX, No. 2 (1966), pp. 194 - 200.
- Dobell, W. M. "Division over Cyprus," International Journal. Vol. XXII, No. 2 (1967), pp. 278 - 292.
- Dobell, W. M. "The Grand Coalition and the New Congress," Canadian Forum. Vol. XLVI (1967), pp. 225 - 227.
- Dobell, W. M. "The Greek Colonels' Coup," Commentator. Vol. XI, No. 6 (1967), pp. 12, 14, 15 - 17.
- Dobell, W. M. "Ramifications of the China - Pakistan Border Treaty," Current Thought on Peace and War. Vol. VI, No. 2 (1966), p. 29.
- Dobell, W. M. (Review) Stephens, R. Cyprus: A Place of Arms (New York: Praeger, 1966). International Journal. Vol. XXII, No. 1 (1967), pp. 157 - 158.
- Dobell, W. M. (Review) Gordon, B. K. Dimensions of Conflict in Southeast Asia (Englewood Cliffs: Prentice - Hall, 1966). International Journal. Vol. XXI, No. 3 (1966), p. 405.
- Dobell, W. M. (Review) Couloumbis, T. A. Greek Political Reaction to American and NATO Influence (New Haven: Yale, 1966). International Journal. Vol. XXII, No. 1 (1967), p. 139.
- Dobell, W. M. (Review) Sorensen, T. C. Kennedy (New York: Harper and Row, 1965). Commentator. Vol. X, No. 12 (1966), p. 26.
- Dobell, W. M. (Review) Neighbours Taken for Granted. Edited by L. T. Merchant (Toronto: Burns and MacEachern, 1966). Commentator. Vol. X, No. 12 (1966), p. 26.
- Dobell, W. M. (Review) Patterson, G. N. Peking Versus Delhi (New York: Praeger, 1964). Pacific Affairs. Vol. XXXVIII, No. 3 and 4 (1966), pp. 401 - 402.

- Dobell, W. M. (Review) Kennedy, D. E. The Security of Southern Asia (New York: Praeger, 1965). Pacific Affairs. Vol. XXXVIII, No. 3 and 4 (1966), pp. 396 - 397.
- Dobell, W. M. (Review) The Transfer of Institutions. Edited by W. B. Hamilton (Durham, North Carolina: Duke University Press, 1964). Pacific Affairs. Vol. XXXIX, No. 1 and 2 pp. 231 - 232.
- Kymlicka, B. B. "Ontario," In The Americana Annual 1967 (New York: Americana Corporation, 1967), pp. 517 - 518.
- Kymlicka, B. B. "The Prague Coup of 1948," Journal of European Affairs. No. 1 (1967), pp. 20 - 35.
- Kymlicka, B. B. (Review) Labedz, L. International Communism after Khrushchev (Cambridge: M. I. T. Press, 1965). International Journal. Vol. XXI, No. 3 (1966), p. 417.
- Mayo, H. B. Niagara Region Local Government Review. Report of the Commission. (Toronto: Department of Municipal Affairs, 1966), 89 p.
- Mayo, H. B. "Power and Ideology in East - West Relations," In The Communist States and the West. Edited by A. Bromke and P. E. Uren (New York: Praeger, 1967), pp. 3 - 16.
- Noel, S. J. R. "Politics and the Crown: the Case of the 1908 Tie Election in Newfoundland," Canadian Journal of Economics and Political Science. Vol. XXXIII, No. 2 (1967).
- Noel, S. J. R. (Review) Parliament and the Executive. Edited by H. V. Wiseman (London: Routledge and Kegan Paul, 1966). Canadian Association of University Teachers, Bulletin. Vol. XV, No. 2 (1966), pp. 73 - 75.
- Noel, S. J. R. (Review) Gunn, G. E. The Political History of Newfoundland 1832 - 1864 (Toronto: University of Toronto Press, 1966). Canadian Forum. Vol. XLVII (1967), pp. 141 - 142.
- Singh, L. P. Politics of Economic Cooperation in Asia (Columbia: University of Missouri Press, 1966), 271 p.

Singh, L. P. "From Konfrontasi to Musjawarah: Towards Cooperation among Indonesia, Malaysia and the Philippines," Europa - Archiv. Vol. XXI, No. 16 (1966), pp. 597 - 606.

Singh, L. P. "Indian Socialists in Disarray," Revue du Sud - Est Asiatique. No. 1 (1966), pp. 33 - 45.

#### DEPARTMENT OF ROMANCE LANGUAGES

Metford, L. J. S. "Quelques Réflexions sur le Rôle de la Culpabilité dans la Littérature Française Contemporaine," Association des Professeurs de Français des Universités Canadiennes. Congrès Annuel. Sherbrooke. Actes Abrégés. (1966), pp. 26 - 30.

Metford, L. J. S. "What Goes into a Good Lab?," Canadian Audio - Visual Review. Vol. III, No. 2 (1967), pp. 12 - 14.

#### DEPARTMENT OF RUSSIAN

Neuhauser, R. "Changing Attitudes in Soviet Russian Studies of Kievan and Old Russian Literature," Canadian Slavonic Papers. Vol. VIII (1966), pp. 182 - 197.

Neuhauser, R. "J. F. Cooper and Russia," Pacific Northwest Conference on Foreign Languages. 17th Annual Meeting. April. Proceedings. Vol. XVII (1966), pp. 75 - 85.

#### FACULTY OF MEDICINE

#### DEPARTMENT OF ANAESTHESIA

Adamson, D. H. and Spoerel, W. E. "Methaemoglobin Levels during Continuous Epidural Analgesia Using Prilocain (Citanest)," Acta Anaesthesiologica Scandinavica. Supplement 23 (1966), pp. 379 - 386.

Bain, J. A. et al. "The Effect of General Anaesthesia on the Tolerance of Cerebral Ischaemia in Rabbits," Canadian Anaesthetists' Society. Journal. Vol. XIV, No. 2 (1967), pp. 69 - 78.

- Spoerel, W. E. "General Anaesthesia," In Anaesthesia and Resuscitation - A Manual for Medical Students. Edited by R. A. Gordon (Toronto: University of Toronto Press, 1967), pp. 18 - 50.
- Spoerel, W. E. "Anaesthesia for the Patient with Multiple Injuries: Some Problems Concerning Anaesthetic Management Illustrated by a Case Report," Canadian Anaesthetists' Society. Journal. Vol. XIV, No. 1 (1967), pp. 49 - 58.
- Spoerel, W. E. "Obstetrical Analgesia and Anesthesia," Modern Medicine of Canada. Vol. XXI, No. 8 (1966), pp. 37 - 48.
- Spoerel, W. E. (Review) Horatz, K. and Kreuzscher, H. Anaesthetic Problems in Otorhinolaryngology and Oral Surgery (Anaesthesiologische Probleme in der Halshasen - Ohren - Heilkunde und Kieferchirurgie) (New York: Springer Verlag, 1966). Canadian Anaesthetists' Society. Journal. Vol. XIV, No. 2 (1967), p. 154.
- Spoerel, W. E. (Review) Schorer, R. Auswirkungen der Atemmechanik auf den Kreislauf (The Influence of Respiratory Mechanics on the Circulation) New York: Springer Verlag, 1965). Canadian Anaesthetists' Society. Journal. Vol. XIII, No. 4 (1966), p. 408.
- Spoerel, W. E. (Review) Lang, K., Frey, R. and Halmagyi, M. Infusion Therapy (Infusions Therapie) (New York: Springer Verlag, 1966). Canadian Anaesthetists' Society. Journal. Vol. XIV, No. 3 (1967), pp. 246 - 247.
- Spoerel, W. E. (Review) Barth, L. and Meyer, M. Moderne Narkose (Jena: Fisher, 1965). Canadian Anaesthetists' Society. Journal. Vol. XIII (1966), p. 407.
- Spoerel, W. E. (Review) Neurolept Analgesia (Die Neuroleptanalgesie). Edited by W. F. Henschel (New York: Springer Verlag, 1966). Canadian Anaesthetists' Society. Journal. Vol. XIII, No. 6 (1966), pp. 628 - 629.

Spoerel, W. E. (Review) Lundsgaard-Hansen, J. Oxygen Supply and Acid - Base Balance in Deep Hypothermia (Sauerstoffversorgung und Saure - Basenhaushalt in Tiefer Hypothermie) (New York: Springer Verlag, 1966). Canadian Anaesthetists' Society. Journal. Vol. XIV, No. 3 (1967), p. 247.

Spoerel, W. E. (Review) Parenteral Nutrition (Parenterale Ernaehrung). Edited by L. Lang, R. Frey and M. Halmagyi (New York: Springer Verlag, 1966). Canadian Anaesthetists' Society. Journal. Vol. XIII, No. 6 (1966), p. 629.

Spoerel, W. E. (Review) Horatz, K. and Frey, R. Problems of Intensive Care (Probleme der Intensivbe - Handlung) (New York: Springer Verlag, 1966). Canadian Anaesthetists' Society. Journal. Vol. XIV, No. 2 (1967), p. 154.

Spoerel, W. E., Adamson, D. H. and Eberhard, R. S. "The Significance of Methaemoglobinaemia Induced by Prilocaine (Citanest)," Canadian Anaesthetists' Society. Journal. Vol. XIV, No. 1 (1967), pp. 1 - 10.

Spoerel, W. E., Kandel, P. F. and Kinch, R. A. H. "Continuous Epidural Analgesia for Labour and Delivery: Review of 1,000 Cases," Canadian Medical Association. Journal. Vol. XCV, No. 5 (1966), pp. 947 - 953.

#### DEPARTMENT OF ANATOMY

Baldwin, W. F., Shaver, E. L. and James, A. P. "The Genetics of Eye - Colour Mutants of *Dahlbominus*," Canadian Journal of Genetics and Cytology. Vol. VIII, No. 2 (1966), pp. 245 - 250.

Barr, M. L. "The Natural History of Klinefelter's Syndrome," Fertility and Sterility. Vol. XVII, No. 4 (1966), pp. 429 - 441.

Barr, M. L. "A New Aspect of Genetics and its Bearing on Mental Retardation," University of Saskatchewan. University Lectures. No. 11 (1966), pp. 1 - 21.

- Barr, M. L. "The Sex Chromosomes in Evolution in Medicine," Canadian Medical Association Journal. Vol. XCV, No. 26 (1966), pp. 1137 - 1148.
- Barr, M. L. (Review) "Sex Determination," Crew, F. A. E. Sex Determination (London: Methuen and Company, 1965). Nature. Vol. CCXII, No. 5066 (1966), pp. 1021 - 1022.
- Buck, R. C. "Mitosis and Meiosis in *Rhodnius Prolixus*: The Fine Structure of the Spindle and Diffuse Kinetochore," Journal of Ultrastructure Research. Vol. XVIII, No. 5 - 6 (1967), pp. 489 - 501.
- Carr, D. H. "Chromosome Abnormalities in Spontaneous Abortuses," In Mental Retardation. Edited by G. A. Jervis (Springfield, Illinois: Charles C. Thomas, 1967), pp. 35 - 47.
- Carr, D. H. "Cytogenetics of Abortions," In Comparative Aspects of Reproductive Failure. Edited by K. Benirschke (New York: Springer - Verlag, 1967), pp. 96 - 117.
- Carr, D. H. "Chromosome Anomalies as a Cause of Spontaneous Abortion," American Journal of Obstetrics and Gynecology. Vol. XCVII, No. 3 (1967), pp. 283 - 293.
- Carr, D. H., Bateman, A. J. and Murray, A. B. "Analysis of Data from Abortuses which Failed to Grow in Culture," Obstetrics and Gynecology. Vol. XXVIII, No. 5 (1966), pp. 611 - 614.
- Cutts, J. H. "Vascular Lesions Resembling Polyarteritis Nodosa in Rats Undergoing Prolonged Stimulation with Oestrogen," British Journal Experimental Pathology. Vol. XLVII, No. 4 (1966), pp. 401 - 404.
- Cutts, J. H. and Walker, I. G. "The Effect of pH upon the Antitumor Activity and Toxicity of Nitrogen Mustard," Cancer Research. Vol. XXVI, No. 7 (1966), pp. 1386 - 1389.
- Dickson, A. D. "Induction of the Trophoblastic Giant - Cell Transformation after Ovariectomy in the Mouse," Journal of Embryology and Experimental Morphology. Vol. XVII, No. 1 (1967), pp. 189 - 193.



- Dickson, A. D. "Variations in Development of Mouse Blastocysts," Journal of Anatomy. Vol. CI, No. 2 (1967), pp. 263 - 267.
- Dickson, A. D. and Araujo, H. B. "Short Communications. Dissociation of Trophoblastic Giant Cell Transformation from Implantation of Mouse Blastocysts," Journal of Endocrinology. Vol. XXXVI, No. 3 (1966), pp. 325 - 326.
- Donisch, E. "Anatomical Considerations of the Intervertebral Joints and their Movements during Torsion" (Abstract). Midwest Anatomists' Association. Chicago. Programme. October 22 - 23 (1966).
- Hollenberg, M. J. "Fine Structure of the Choriocapillaris and Retinal Pigment Epithelium in Alloxan Diabetes" (Abstract). Canadian Federation of Biological Societies. Proceedings. Vol. IX (1966), pp. 30 - 31.
- Hoshino, K. "Mammary Cancer Induction by Pituitary Isografts Pretreated with 3 - Methylcholanthrene in Female and Castrated Male Mice" (Abstract). Ninth International Cancer Congress. Abstracts of Papers (1966), p. 133.
- Hoshino, K. "Transplantability of Mammary Gland in Brown Fat Pads of Mice," Nature. Vol. CCXIII, No. 5072 pp. 194 - 195.
- Hoshino, K. and Connolly, M. T. "Development and Growth of Mammary Glands of Mice Prenatally Exposed to Estradiol Benzoate" (Abstract). Anatomical Record. Vol. CLVII, No. 2 (1967), p. 262.
- Hoshino, K. and Gardner, W. U. "Transplantability and Life Span of Mammary Gland during Serial Transplantation in Mice," Nature. Vol. CCXIII, No. 5072 (1967), pp. 193 - 194.
- Hoshino, K. and Williams, M. "Early Histogenesis of Transplanted Mouse Mammary Glands: Effects of 3 - Methylcholanthrene - Pretreatment and Estrogen - Progesterone Supplementation" (Abstract). Endocrine Society. 48th Meeting. Program (1966), p. 127.

- Kung, S. H. "Quantitative Cytology of Chromatolytic Primary Sensory Neurons" (Abstract). Anatomical Record. Vol. CLVII, No. 2 (1967), p. 369.
- Nayyar, R. P. and Barr, M. L. "Sex Chromatin in Rodents," Canadian Journal of Genetics and Cytology. Vol. VIII, No. 4 (1966), pp. 654 - 660.
- Sergovich, F. R. "Cytogenetic Practice in a Mental Retardation Clinic," Canadian Psychiatric Association. Journal. Vol. XII, No. 1 (1967), pp. 35 - 52.
- Singh, R. P. and Carr, D. H. "Anatomic Findings in Human Abortions of Known Chromosomal Constitution," Obstetrics and Gynecology. Vol. XXIX, No. 6 (1967), pp. 806 - 818.
- Singh, R. P. and Carr, D. H. "The Anatomy and Histology of XO Human Embryos and Fetuses," Anatomical Record. Vol. CLV, No. 3 (1966), pp. 369 - 384.
- Soltan, H. C. "Experiences with Xg<sup>a</sup> and Colourblindness in the Families of XO and XXY Patients" (Abstract). Third International Congress of Human Genetics. Chicago. September 5 - 10. (1966).
- Soltan, H. C. "Thoughts on Learning and Teaching in the First Two Years of the Medical Curriculum," Canadian Medical Association. Journal. Vol. XCVI, No. 13 (1967), pp. 965 - 971.
- Soltan, H. C., Sergovich, F. R. and Barr, M. L. "Studies on the Genetics of Mongolism," In Mental Retardation. Edited by G. A. Jervis (Springfield, Illinois: Charles C. Thomas, 1967), pp. 19 - 34.

#### DEPARTMENT OF BACTERIOLOGY

- Carroll, K. K., Ghosh, B. K. and Murray, R. G. E. "Studies on the Structure and Chemical Fractionation of Listeria monocytogenes," Third International Symposium on Listeriosis. Bilthoven. July 13 - 16 (1966), pp. 23 - 26.

- Fitz-James, P. C. "The Collection of Mesosome Vesicles Extruded during Protoplasting," In Brook Lodge Conference November 1966. Edited by L. B. Guze (Williams and Wilkins, 1967), pp. 124 - 143.
- Fitz-James, P. C. "A Functional and Structural Comparison of Separated Fractions of Mesosomes and Plasma Membrane of Bacteria," Biological Fluids. Vol. XV (Amsterdam: Elsevier Publishing Company, 1967), pp. 289 - 301.
- Fitz-James, P. C. "The Response of Growing Protoplasts to Various Doses of Vitamins A and E," In Brook Lodge Conference November 1966. Edited by L. B. Guze (Williams and Wilkins, 1967), pp. 239 - 247.
- Ghosh, B. K. and Murray, R. G. E. "Fine Structure of Listeria monocytogenes in Relation of Protoplast Formation," Journal of Bacteriology. Vol. XCIII, No. 1 (1967), pp. 411 - 426.
- Murray, E. G. D., Ghosh, B. H. and Murray, R. G. E. "The Interaction of Guanofuracin and Listeria monocytogenes," Canadian Journal of Microbiology. Vol. XII, No. 2 (1966), pp. 285 - 297.
- Nermut, M. V. and Murray, R. G. E. "The Ultrastructure of the Cell Wall of Bacillus polymyxa," Journal of Bacteriology. Vol. XCIII, No. 6 (1967), pp. 1949 - 1965.
- Robinow, C. F. and Marak, J. "On the Organization of the Nucleus of the Yeast Cell," Berlin. Deutsche Akademie der Wissenschaften. Klasse für Medizin. Abhandlungen. No. 6 (1966), pp. 237 - 238.
- Steed, P. and Murray, R. G. E. "The Cell Wall and Cell Division of Gram - Negative Bacteria," Canadian Journal of Microbiology. Vol. XII, No. 2 (1966), pp. 263 - 270.
- Zachariah, K. and Fitz-James, P. C. "The Structure of Phialides in Penicillium clariformis," Canadian Journal of Microbiology. Vol. XIII, No. 3 (1967), pp. 249 - 256.

## DEPARTMENT OF BIOCHEMISTRY

- Donisch, V. and Rossiter, R. J. "Metabolism of Ehrlich Ascites Tumor in vitro. Subcellular Distribution of Phospholipid Newly Formed from  $^{14}\text{C}$  - Labeled Precursors," Canadian Journal of Biochemistry. Vol. XLIV (1966), pp. 1461 - 1468.
- Heick, H. M. C., McElroy, F. A. and Stewart, H. B. "Biochemical Activities of Morphologically Defined Fractions from Protoplasts of *Lipomyces Lipofer*," Berlin. Deutsche Akademie der Wissenschaften. Klasse für Medizin. Abhandlungen. No. 6 (1966), pp. 173 - 178, 373 - 374.
- Herzig, C. L. and Bigelow, C. C. "The Destabilization of Bovine Pancreatic Ribonuclease by Metal Ions," Biochemical and Biophysical Research Communications. Vol. XXVI, No. 6 (1967), pp. 645 - 650.
- Kientz, M. L. and Bigelow, C. C. "The Effect of Ethylene Glycol on the Structure of  $\beta$ -Lactoglobulin," Biochemistry. Vol. V, No. 11 (1966), pp. 3494 - 3500.
- McDonald, J. W. D. and Stewart, H. B. "Participation of Nicotinamide Mononucleotide in Pyridine Nucleotide Synthesis in Tumor and Host Liver," Canadian Journal of Biochemistry. Vol. XLV (1967), pp. 363 - 373.
- McElroy, F. A. and Stewart, H. B. "The Lipids of *Lipomyces Lipofer*," Canadian Journal of Biochemistry. Vol. XLV (1967), pp. 171 - 178.
- McMurray, W. C., Nakatani, M. and Kuttis, J. "Effects of Carnitine on Mitochondrial Contraction" (Abstract). Federation Proceedings. Vol. XXVI, No. 20 (1967), p. 456.
- Mohyuddin, F., Rathbun, J. C. and McMurray, W. C. "Studies on Amino Acid Metabolism in Citrullinuria," American Journal of Diseases of Children. Vol. CXIII, No. 1 (1967), pp. 152 - 156.

- Murray, E. D. and Spencer, E. Y. "A Simplified Purification Technique for Parasporal Inclusions from Certain Varieties of Bacillus thuringiensis," Journal of Invertebrate Pathology. Vol. VIII, No. 3 (1966), pp. 418 - 420.
- Possmayer, F. and Strickland, K. P. "The Incorporation of  $\alpha$  - Glycerophosphate -  $^{32}\text{P}$  into the Lipids of Rat Brain Preparations. I. General Properties," Canadian Journal of Biochemistry. Vol. XLV (1967), pp. 53 - 61.
- Possmayer, F. and Strickland, K. P. "The Incorporation of  $\alpha$  - Glycerophosphate -  $^{32}\text{P}$  into the Lipids of Rat Brain Preparations. II. On the Biosynthesis of Monophosphoinositide," Canadian Journal of Biochemistry. Vol. XLV (1967), pp. 63 - 70.
- Purko, J. and Stewart, H. B. "The Mechanism of Pyridine Nucleotide Synthesis in Ehrlich Ascites Carcinoma and Host Liver," Canadian Journal of Biochemistry. Vol. XLV (1967), pp. 179 - 190.
- Sarfare, P. S. and Bigelow, C. C. "The Denatured States of Bibonuclease," Canadian Journal of Biochemistry. Vol. XLV (1967), pp. 651 - 658.

#### DEPARTMENT OF BIOPHYSICS

- Burton, A. C. "Role of Geometry, of Size and Shape, in the Microcirculation," Federation Proceedings. Vol. XXV, No. 6 (1966), pp. 1753 - 1760.
- Gillman, R. G. and Burton, A. C. "Constriction of the Neonatal Aorta by Raised Oxygen Tension," Circulation Research. Vol. XIX, No. 4 (1966), pp. 755 - 765.
- Groom, A. C. "Vascular Volume Changes after Haemorrhage and Transfusion," Journal of Physiology. Vol. CLXXXV, No. 1 (1966), pp. 45 - 46.
- Groom, A. C. and Farhi, L. E. "Cutaneous Diffusion of Atmospheric  $\text{N}_2$  during  $\text{N}_2$  Washout in the Dog," Journal of Applied Physiology. Vol. XXII, No. 4 (1967), pp. 740 - 745.

## DEPARTMENT OF CANCER RESEARCH

- Carroll, K. K., Cutts, J. H. and Murray, E. G. D. "Lipids of Listeria Monocytogenes," Canadian Federation of Biological Societies. Proceedings. Vol. IX (1966), p. 8.
- Cutts, J. H. and Noble, P. B. "Separation of Blood Leukocytes by Ficoll Gradient," Canadian Veterinary Journal. Vol. VIII, No. 5 (1967), pp. 110 - 111.
- Montemurro, D. G. "Light - Microscopic Observations on the Hypothalamus and Pituitary Gland of the Rat Fixed in Osmium Tetroxide," Journal of Endocrinology. Vol. XXXV, No. 3 (1966), pp. 271 - 279.
- Sinclair, N. R. "A Comparison of Primary and Secondary Haemolysin Responses to Sheep Erythrocytes in Neonatally Thymectomized, Sham - Thymectomized and Normal Swiss Mice. A Time - Course Study of Total 19S and 7S Antibody," Immunology. Vol. XII, No. 5 (1967), pp. 559 - 564.
- Sinclair, N. R. "Effects of Neonatal Thymectomy on the Haemolysin Response to Sheep Erythrocytes in Swiss Albino Mice. A Time - Course Study of Total, 19S and 7S Antibody," Immunology. Vol. XII, No. 5 (1967), pp. 549 - 557.
- Sinclair, N. R. "Haemolysin Responses to Sheep Erythrocytes in Neonatally Thymectomized Swiss Mice," Nature. Vol. CCXIV, No. 5083 (1967), pp. 95 - 96.
- Sinclair, N. R. and Millican, D. "Delayed Development of Immunological Responsiveness in Neonatally Thymectomized Mice: A Time - Course Study," Clinical and Experimental Immunology. Vol. II, No. 3 (1967), pp. 269 - 274.

## DEPARTMENT OF DIAGNOSTIC RADIOLOGY

- Allcock, J. M. "Arterial Spasm in Subarachnoid Haemorrhage: A Clinical and Experimental Study," Acta Radiologica. Vol. V (1966), pp. 73 - 83.

- Carlsson, E. and Milne, E. N. C. "Permanent Implantation of Endocardial Tantalum Screws: A New Technique for Functional Studies of the Heart in the Experimental Animal," Canadian Association of Radiologists. Journal. Vol. XIX, No. 2 (1967), pp. 304 - 309.
- Copestake, G. G. "Planning of Large X-Ray Departments," Canadian Hospital. Vol. XLIV, No. 1 (1967), pp. 37 - 40.
- Milne, E. N. C. "The Significance of Early Venous Filling during Femoral Arteriography," Radiology. Vol. LXXXVIII, No. 3 (1967), pp. 513 - 518.
- Rajic, D. S. (Review) Brodeur, A. E. Radiologic Diagnosis in Infants and Children (St. Louis: C. V. Mosby, 1965). Canadian Medical Association. Journal Vol. XCV, No. 14 (1966), p. 741.

## DEPARTMENT OF MEDICAL RESEARCH

- Ghosh, B. K. and Murray, R. G. E. "Fine Structure of Listeria monocytogenes in Relation to Protoplast Formation," Journal of Bacteriology. Vol. XCIII, No. 1 (1967), pp. 411 - 426.
- Noble, P. B. "Separation of Blood Leukocytes by Ficoll Gradient," Canadian Veterinary Journal. Vol. VIII, No. 6 (1967), pp. 110 - 111.

## DEPARTMENT OF MEDICINE

- Ahuja, S. P. and Gutierrez, M. R. "Apex Cardiography in the Elucidation of a Double or Multiple Impulse Apex Beat," American Journal of Cardiology. Vol. XIX, No. 3 (1967), pp. 468 - 473.
- Ahuja, S. P., Gutierrez, M. R. and Manning, G. W. "Value of Apex Cardiography in the Assessment of Cardiac Aneurysms," American Journal of Cardiology. Vol. XIX, No. 3 (1967), pp. 464 - 467.

- Hudson, A. J. "Paramyotonia Congenita," In Progressive Muskeldystrophie Myotonie. Myasthenie. Edited by E. Kuhn (New York: Springer - Verlag, 1966), pp. 259 - 263.
- Kennedy, J. C., Grainger, R. W. and McGraw, R. W. "Osteochondral Fractures of the Femoral Condyles," Journal of Bone and Joint Surgery. Vol. XLIX (B), No. 3 (1966), pp. 436 - 440.
- Kertesz, A. and Tasker, R. R. "Involuntary Movement Associated with Midbrain Lesion in Man," American Neurological Association. Transactions (1966), pp. 270 - 272.
- McPherson, B. D. et al. "Psychological Effects of an Exercise Program for Post - Infarct and Normal Adult Men," Journal of Sports Medicine and Physical Fitness. Vol. VII, No. 2 (1967), pp. 95 - 102.
- Okamoto, N. et al. "Significance of the Initial R Wave in Lead aVR of the Electrocardiogram in the Diagnosis of Myocardial Infarction," Circulation. Vol. XXXV, No. 1 (1967), pp. 126 - 131.
- Pace, W. E. "The Treatment of Acne Vulgaris," Ontario Medical Review. Vol. XXXIV, No. 1 (1967), pp. 23 - 25.
- Rechnitzer, P. A. et al. "Effects of a 24 - Week Exercise Programme on Normal Adults and Patients with Previous Myocardial Infarction," British Medical Journal. Vol. I (1967), pp. 734 - 735.
- Samad, I. A. and Lewis, J. A. "Pulmonary Hypertension," Medical Services Journal Canada. Vol. XXII (1966), pp. 973 - 980.
- Tolnai, G. et al. "Primary Malignant Melanomatosis of Leptomeninges," Archives of Neurology. Vol. XV (1966), pp. 404 - 409.



## DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY

- Kandel, P. F., Spoerel, W. E. and Kinch, R. A. "Continuous Epidural Analgesia for Labour and Delivery: A Review of 1000 Cases," Canadian Medical Association Journal. Vol. XCV, No. 19 (1966), pp. 947 - 953.
- Kinch, R. A. H. "Adolescent Sex Education," New York Academy of Science. Annals. Vol. CXLII, No. 3 (1967), pp. 824 - 833.
- Robertson, E. C. et al. Health, Science, and You (Book I) (Toronto: Holt, Rinehart and Winston of Canada, 1967), 224 p.
- Seymour, R. J. and Kinch, R. A. H. "Recession and Relocation of the Enlarged Clitoris in Congenital Adrenogenital Syndrome," Canadian Journal of Surgery. Vol. IX, No. 4 (1966), pp. 365 - 369.
- Wearing, M. P. "A Medical and Sociologic Study of the Unwed Mother. 1 Background and Medical Care," Obstetrics and Gynecology. Vol. XXIX, No. 6 (1967), pp. 792 - 796.

## DEPARTMENT OF OPHTHALMOLOGY

- Mills, D. W. "The Glaucomatocyclitic Crisis," Canadian Journal of Ophthalmology. Vol. I, No. 4 (1966), pp. 312 - 316.
- Oliver, G. L. and Howe, A. F. "Immunochemical Study of Subretinal Fluid" (Abstract). Investigative Ophthalmology. Vol. V, No. 5 (1966), p. 528.

## DEPARTMENT OF PAEDIATRICS

- Riese, R. R. "Discrimination Learning in Retarded Children: Nonreward vs. Reward," American Journal of Mental Deficiency. Vol. LXXI, No. 4 (1967), pp. 536 - 541.
- Valentine, G. H. The Chromosome Disorders (London, England: Heinemann, 1966), 137 p.

## DEPARTMENT OF PATHOLOGICAL CHEMISTRY

- Brownstone, Y. S. "The Utilization of Adenine by Preserved Human Erythrocytes," Canadian Federation of Biological Societies. Proceedings. Vol. IX (1966), p. 26.
- Cragg, G. M. L., Meakins, G. D. and Zaharia, W. "Hydroxy - Steroids. Part VIII. The Conformations and Infrared Spectra of 3, 5 - Diols and 3, 5, 6 - Triols," Chemical Society. Section C. Journal. Part 2 (1966), pp. 1864 - 1866.
- Ozkan, O., Wilson, R. H. and Neufeld, A. H. "Plasma Expanders - A Review," Medical Services Journal Canada. Vol. XXII, No. 9 (1966), pp. 781 - 791.

## DEPARTMENT OF PATHOLOGY

- Gardner, D. G. "The Effects of Prepubertal Ovariectomy on Connective Tissue Generation," Canadian Journal of Physiology and Pharmacology. Vol. XLIV (1966), pp. 783 - 790.
- Paterson, J. C., Carroll, S. E. and Amachur, A. L. "The Results of Using Methyl 2 - Cyanoacrylate Monomer in Experimental Surgery," Canadian Journal of Surgery. Vol. IX (1966), pp. 435 - 444.
- Paterson, J. C. et al. "Gross Aortic Sudanophilia and Hemosiderin Deposition," Archives of Pathology. Vol. LXXXIII (1967), pp. 325 - 332.
- Paterson, J. C. et al. "Spontaneous Arterial Lesions in the Antarctic Seal," Archives of Pathology. Vol. LXXXII (1966), pp. 287 - 296.
- Wallace, A. C. "Studies on the Transpulmonary Passage of Tumour Cells" (Abstract). Ninth International Cancer Congress. Tokyo. Proceedings. October 23 - 29 (1966), p. 67.

## DEPARTMENT OF PHARMACOLOGY

- Burford, R. G. and Gowdey, C. W. "Studies on the Anti - Inflammatory Activity of Alkoxyglycerols in Rats," Third Canadian Conference on Research in the Rheumatic Diseases. Toronto. 1965. Proceedings. pp. 286 - 292.
- Burford, R. G. and Gowdey, C. W. "Vasopressor Effect of Reoxygenation," Aerospace Medicine. Vol. XXXVII, No. 11 (1966), pp. 1114 - 1120.
- Gowdey, C. W. "The Autonomic Nervous System in Hypoxia," International Symposium on Cardiovascular and Respiratory Effects of Aypoxia. Queen's University. Kingston, Ontario. 1965. Proceedings (1966), pp. 232 - 247.
- Gowdey, C. W. and Lovegrove, T. D. "Lack of Differential Effect of Plasma from Schizophrenic Patients and Normal Subjects on Performance of Conditioned Responses in Rats," Canadian Psychiatric Association. Journal. Vol. XI, No. 4 (1966), pp. 286 - 298.
- Gowdey, C. W. and Hamilton, J. T. and Philp, R. B. "A Controlled Clinical Trial Using Placebos in Normal Subjects: A Teaching Exercise," Canadian Medical Association. Journal. Vol. XCVI, No. 19 (1967), pp. 1317 - 1322.
- Hamilton, J. T. "Muscle Relaxant Activity of Chloridiazepoxide and Diazepam," Canadian Journal of Physiology and Pharmacology. Vol. XLV, No. 2 (1967), pp. 191 - 199.
- Throne, M. L. and Gowdey, C. W. "A Critical Review of Endogenous Psychotoxins as a Cause of Schizophrenia," Canadian Psychiatric Association. Journal. Vol. XII, No. 2 (1967), pp. 159 - 174.

## DEPARTMENT OF PHYSICAL MEDICINE AND REHABILITATION

- Cameron, M. G. P. (Review) "Orthotics Etcetera," Orthotics Etcetera. Edited by S. Licht (New Haven: Elizabeth Licht, 1966). Canadian Medical Association. Journal. Vol. XCVI, No. 2 (1967), pp. 1491 - 1492.

## DEPARTMENT OF PHYSIOLOGY

- Banet, M. and Seguin, J. J. "Afferent Discharge Produced by Muscle Cooling in Mice Maintained at Normal and Low Environmental Temperatures," Canadian Journal of Physiology and Pharmacology. Vol. XLV, No. 2 (1967), pp. 319 - 327.
- Beaton, J. R. "Liver and Plasma Malic Dehydrogenase Activities in the Exercised Rat," Society for Experimental Biology and Medicine. Proceedings. Vol. CXXIII (1966), pp. 598 - 600.
- Beaton, J. R. "Methionine Toxicity in Rats Exposed to Cold," Canadian Journal of Physiology and Pharmacology. Vol. XLV, No. 2 (1967), pp. 329 - 333.
- Beaton, J. R. "Vitamin C Metabolism in Rats Fed a Low - Protein Diet and Exposed to Cold," Canadian Journal of Physiology and Pharmacology. Vol. XLV, No. 2 (1967), pp. 335 - 342.
- Beaton, J. R. and Feleki, V. "Effect of Diet and Water Temperature on Exhaustion Time of Swimming Rats," Canadian Journal of Physiology and Pharmacology. Vol. XLV, No. 2 (1967), pp. 360 - 363.
- Beaton, J. R. and Feleki, V. "The Effect of Nutritional State on Ability of the Rat to Swim to Exhaustion," Canadian Journal of Physiology and Pharmacology. Vol. XLIV, No. 4 (1966), pp. 597 - 603.
- Beaton, J. R. and Szlavko, A. J. and Stevenson, J. A. F. "Purification by Ultrafiltration of a Fat - Mobilizing Substance Extracted from the Urine of Fasting Rats," Canadian Journal of Physiology and Pharmacology. Vol. XLIV, No. 5 (1966), pp. 701 - 709.
- May, K. K. and Beaton, J. R. "Metabolic Effects of Hyperphagia in the Hypothalamic - Hyperphagic Rat," Canadian Journal of Physiology and Pharmacology. Vol. XLIV, No. 4 (1966), pp. 641 - 650.

- Mogenson, G. J., Cinnamon, A. D. and Stevenson, J. A. F. "The Anorexigenic Effects of Amphetamine in Mice Treated with Aurothioglucose," Canadian Journal of Physiology and Pharmacology. Vol. XIV, No. 3 (1967), pp. 564 - 567.
- Mogenson, G. J. et al. "Neural Mechanisms Controlling Water Intake" (Abstract) Federation Proceedings. Vol. XXVI (1967), p. 256.
- Stevenson, J. A. F. "Exercise, Food Intake and Health in Experimental Animals," Canadian Medical Association Journal. Vol. XCVI, No. 12 (1967), pp. 862 - 866.
- Stevenson, J. A. F. and Box, B. M. "Adrenaline Anorexia in a Cold Environment," Canadian Journal of Physiology and Pharmacology. Vol. XLV, No. 3 (1967), pp. 562 - 564.

## DEPARTMENT OF PSYCHIATRY

- Hobbs, G. E. (Review) Smythies, J. R. The Neurological Foundations of Psychiatry (Oxford: Blackwell Scientific Publications, 1966). Ontario Medical Review. Vol. XXXIV, No. 2 (1967), pp. 115 - 116.

## DEPARTMENT OF SURGERY

- Drake, C. G. "On the Surgical Treatment of Ruptured Intracranial Aneurysms," Clinical Neurosurgery. Vol. XIII (1966), pp. 122 - 155.
- Drake, C. G. "Surgical Treatment of Acoustic Neuroma with Preservation or Reconstitution of the Facial Nerve," Journal of Neurosurgery. Vol. XXVI, No. 5 (1967), pp. 459 - 464.
- Drake, C. G. "Total Removal of Large Acoustic Neuromas. A Modification of the McKenzie Operation with Special Emphasis on Saving the Facial Nerve," Journal of Neurosurgery. Vol. XXVI, No. 5 (1967), pp. 554 - 561.

- Kennedy, J. C. and Grainger, R. W. "The Posterior Cruciate Ligament," Journal of Trauma. Vol. VII, No. 3 (1967), pp. 367 - 377.
- McFarlane, R. M. and Jamieson, W. C. "Dupuytren's Contracture: The Management of One Hundred Patients," Journal of Bone and Joint Surgery. Vol. XLVIII - A, No. 6 (1966), pp. 1095 - 1105.
- McLachlin, A. D. Venous Disease of the Lower Extremities. Current Problems in Surgery (Chicago: Year Book Medical Publishers, 1967), 44 p.
- Wyatt, J. K. and McAninch, L. N. "Complete Ureteral Substitution in Children," Canadian Journal of Surgery. Vol. X, No. 2 (1967), pp. 172 - 178.

#### DEPARTMENT OF THERAPEUTIC RADIOLOGY

- Fetterly, J. C. M. "The Treatment of Ovarian Cancer by a Combination of Radiation and Chemotherapy," Annual Clinical Conference on Cancer of the Ovary. Windsor. November 5, 1965. Proceedings (1966), pp. 227 - 231.
- Heagy, F. C. "Radioactive Colloidal Gold Treatment of Patients with Ovarian Cancer in the London Clinic 1951 - 65," Annual Clinical Conference on Cancer of the Ovary. Windsor. November 5, 1965. Proceedings (1966), pp. 252 - 262.
- Kruuv, J., Inch, W. R. and McCredie, J. A. "Blood Flow and Oxygenation of Tumors in Mice. I. Effect of Breathing Gases Containing Carbon Dioxide at Atmospheric Pressure," Cancer. Vol. XX, No. 1 (1967), pp. 51 - 59.
- Kruuv, J., Inch, W. R. and McCredie, J. A. "Blood Flow and Oxygenation of Tumors in Mice. II. Effects of Vasodilator Drugs," Cancer. Vol. XX, No. 1 (1967), pp. 60 - 65.

- Kruuv, J., Inch, W. R. and McCredie, J. A. "Blood Flow and Oxgenation of Tumors in Mice. III. Effects of Breathing Amyl Nitrite in Oxygen on Radiosensitivity of the C3H Tumor," Cancer, No. XX, No. 1 (1967), pp. 66 - 70.
- Kruuv, J., Inch, W. R. and McCredie, J. A. "Effects of Breathing Gases Containing Oxygen and Carbon Dioxide at 1 and 3 Atmospheres Pressure on Blood Flow and Oxygenation of Tumors," Canadian Journal of Physiology and Pharmacology. Vol. XLV, No. 1 (1967), pp. 49 - 56.
- McCredie, J. A. and Inch, W. R. "Recurrence at the Operative Site and its Relation to Cancer Growth in Mice," Canadian Journal of Surgery. Vol. IX, No. 4 (1966), pp. 373 - 378.
- McCredie, J. A. et al. "Effects of Hyperbaric Oxygen on Growth and Metastases of the C3HBA Tumor in the Mouse," Cancer. Vol. XIX, No. 11 (1966), pp. 1537 - 1543.
- Watson, T. A. "Can Survival be Increased by Postoperative Irradiation Following Radical Mastectomy?," American Medical Association. Journal. Vol. CC, No. 2 (1967), pp. 136 - 137.
- Watson, T. A. "Combined Radiation and Surgical Management of Cancer," Canadian Association of Radiologists. Journal. Vol. XVII, No. 3 (1966), pp. 162 - 166.
- Watson, T. A. "Radiotherapy in the Treatment of Cancer of the Oesophagus," Radiologia Clinica et Biologica. Vol. XXXVI (1967), pp. 1 - 14.

#### SCHOOL OF NURSING

- Brown, L. S. (Review) Kallins, E. L. Textbook of Public Health Nursing (St. Louis: C. V. Mosby, 1967), Canadian Nurse. Vol. LXIII, No. 3 (1967), p. 52.
- Brown, L. S. (Review) "Effectiveness of Nursing Visits to Primigravida Mothers," Kallins, E. L. Textbook of Public Health Nursing (St. Louis: C. V. Mosby, 1967). Canadian Nurse. Vol. LXIII, No. 1 (1967), pp. 45 - 49.

- Hibbert, D. "Nurses' Aides - Are They Needed?," Hospital Topics. Vol. XLIV, No. 10 (1966), pp. 103 - 104.
- Peitchinis, J. (Review) Chronic Disease and Rehabilitation. Edited by J. S. Rothbert (Philadelphia: Saunders, 1966). Canadian Nurse. Vol. LXIII, No. 3 (1967), p. 57.
- Wood, V. (Review) Smeltzer, C. H. Psychological Evaluation in Nursing Education (New York: Macmillan, 1965). Canadian Nurse. Vol. LXII, No. 10 (1966), p. 56.

## FACULTY OF DENTISTRY

- Gardner, D. G. "Pulpectomy as a Diagnostic Procedure in Metachromatic Leukodystrophy," Oral Surgery, Oral Medicine, Oral Pathology. Vol. XXIII, No. 3 (1967), pp. 379 - 384.
- Gardner, D. G. "The Relationship of Hexosamine and Hydroxyproline to Connective Tissue Generation," Journal of Oral Therapeutics and Pharmacology. Vol. III (1967), p. 473.
- Gardner, D. G. "Simple Ameloblastoma with an Interesting Vascular Component," Canadian Dental Association Journal. Vol. XXXII, No. 10 (1966), pp. 589 - 593.
- Kraus, B. S., Jordan, R. E. and Nery, E. B. "Abnormalities of Dental Morphology in Mentally Retarded Individuals: A Preliminary Report," Journal of Mental Deficiency. Vol. LXXI, No. 5 (1967), pp. 828 - 839.

## FACULTY OF LAW

- Brandt, G. J. "Structural Adjustments in Canadian Federalism," Revue Juridique Thémis. 2d Series. Vol. II, No. 1 (1967), pp. 75 - 91.
- Carrothers, A. W. R. "Recent Developments in Labour Law and Policy," In Law Society of Upper Canada. Special Lectures of the Law Society of Upper Canada: Recent Developments in the Law. Part II (Toronto: Richard Beboo, 1967), pp. 249 - 274.



- Carrothers, A. W. R. "The Cold Light of Aurora Borealis," Business Quarterly. Vol. XXXII, No. 2 (1967), pp. 30 - 34.
- Glasbeek, H. J. "Restrains on Trade Union Activity in Australia," In Ontario. Department of Labour. Report of a Study on the Labour Injunction in Ontario (Toronto: Department of Labour, 1966), pp. 685 - 716.
- Glasbeek, H. J. "Wagon Mound II - Re Polemis Revived; Nuisance Revised," Western Ontario Law Review. Vol. VI (1967), pp. 192 - 210.
- Palmer, E. E. "The Labour Injunction in Ontario: Juridical Data, 1958 - 1966," In Ontario. Department of Labour. Report of a Study on the Labour Injunction in Ontario (Toronto: Department of Labour, 1966), pp. 56 - 148.
- Palmer, E. E. "The Myth of 'Good Faith' in Collective Bargaining," Alberta Law Review. Vol. IV (1966), pp. 409 - 418.
- Payne, J. D. "Law and the Nurse: The Canadian Position," Nursing Clinics of North America. Vol. II, No. 1 (1967), pp. 16 - 173.
- Payne, J. D. "Seminar Materials on Formation of Contracts," Canadian Association of Purchasing Agents. Proceedings (1967), pp. 1 - 67.
- Prentice, D. D. "Solus Agreements: Two Recent Cases," Western Ontario Law Review. Vol. VI (1967), pp. 170 - 191.

#### FACULTY OF ENGINEERING SCIENCE

- Beeckmans, J. M. "Alveolar Deposition of Aerosols on the Moon and in Outer Space," Nature. Vol. CCXI (1966), p. 208.
- Beeckmans, J. M. "Determination of the Carboxyhaemoglobin Saturation of Blood by Spectrophotometric Analysis," British Journal of Industrial Medicine. Vol. XXIV (1967), pp. 71 - 72.

- Beeckmans, J. M. and Shepherd, R. J. "A Theoretical Basis for the Partitioning of Maximal Cardiorespiratory Performance," Canadian Journal of Physiology and Pharmacology. Vol. XLV, No. 1 (1967), pp. 185 - 190.
- Brown, J. D. "A Computer Program for Quantitative Electron Probe Microanalysis," In The Electron Microprobe. Edited by T. D. McKinley, K. F. J. Heinrich and D. B. Wittry (New York: John Wiley and Sons, 1966), pp. 189 - 198.
- Brown, J. D. "A Comprehensive Computer Program for Electron Probe Microanalysis," Analytical Chemistry. Vol. XXXVIII, No. 7 (1966), pp. 890 - 894.
- Brown, J. D., Burkhalter, P. G. and Myklebust, R. M. "Pulse Amplitude Shifts in Gas Flow Proportional Counters," Review of Scientific Instruments. Vol. XXXVII (1966), pp. 1267 - 1268.
- Brown, J. D., Campbell, W. J. and Thatcher, J. W. "X-Ray Absorption and Emission," Analytical Chemistry. Vol. XXXVIII, No. 5 (1966), pp. 416R - 439R.
- Davenport, A. G. "Gust Loading Factors," American Society of Civil Engineers. Structural Division. Journal. Vol. XCIII, No. 3 (1967), pp. 11 - 34.
- Duerden, I. J. and Hume-Rothery, W. "The Equilibrium Diagram of the Niobium - Nickel System," Journal of the Less Common Metals. Vol. XI, No. 6 (1966), pp. 381 - 387.
- Foreman, J. E. K. "Sound Fundamentals - Know Your Noises," Part I. Design Engineering. Vol. XIII, No. 6 (1967), pp. 46 - 48, 62.
- Quigley, R. M. "Discussion of Paper by L. Bjerrum and A. Landva on Direct Simple-shear Tests on a Norwegian Quick Clay," Geotechnique. Vol. XVII, No. 1 (1967), pp. 77 - 78.
- Quigley, R. M. and Dreimanis, A. "Secondary Aragonite in a Soil Profile," Earth and Planetary Science Letters. Vol. I (1966), pp. 348 - 350.

Sheasby, J. S., Wallwork, G. R. and Smeltzer, W. W. "The Parabolic Oxidation Kinetics of Niobium," Electrochemical Society. Journal. Vol. CXIII, No. 12 (1966), pp. 1255 - 1257.

Swartman, R. K. "More Impetus is Needed to Reach the Goal of Continuing Education," Canadian Consulting Engineer. Vol. VIII (1966), pp. 35 - 38.

Swartman, R. K. and Ogunlade, O. "An Investigation on Packed-Bed Collectors," Solar Energy. Vol. X, No. 3 pp. 106 - 110.

Swartman, R. K. and Ogunlade, O. "A Statistical Relationship between Solar Radiation, Sunshine, and Relative Humidity in the Tropics," Atmosphere. Vol. V, No. 2 (1967), pp. 106 - 110.

Vickery, B. J. "A Model of Atmospheric Turbulence for Studies of Wind Loads on Buildings," In Proceedings of the Second Australasian Conference on Hydraulics and Fluid Mechanics (Auckland, New Zealand: University of Auckland Press, 1966), pp. 275 - 310.

Vickery, B. J. "Fluctuation Life and Drag on a Long Cylinder of Square Cross-Section in a Smooth and in a Turbulent Stream," Journal of Fluid Mechanics. Vol. XXV, Part 3, July (1966), pp. 481 - 494.

Vickery, B. J. "On the Assessment of Wind Effects on Elastic Structures," Institution of Engineers. Australia. Civil Engineering Transactions. Vol. VIII, No. 2 (1966), pp. 183 - 192.

#### SCHOOL OF BUSINESS ADMINISTRATION

Forsyth, G. and Nininger, J. "Solving Canada's Manpower Crisis: Whose Responsibility?" Business Quarterly. Vol. XXXI, No. 3 (1966), p. 68.

Hodgson, R. C. "How to be a Creative Subordinate," Business Quarterly, Vol. XXXII, No. 1 (1967), pp. 10 - 22.

Hodgson, R. C. "Toward More Effective Management", Business Quarterly. Vol. XXXI, No. 3 (1966), pp. 10 - 25.

- Hodgson, R. C. "The Personnel Man's Role in Organization Development", Canadian Personnel and Industrial Relations Journal. Vol. XIV, No. 1 (1967), pp. 27 - 32.
- Leenders, M. R. "How is Your Company's Buying Image?", Business Quarterly, Vol. XXXI, No. 3 (1966), pp. 41 - 45.
- Leenders, M. R. "Supplier Development", Journal of Purchasing. Vol. II, No. 4 (1966), pp. 47 - 62.
- Leenders, M. R. "Value Analysis", Canadian Purchasor. Vol. XLVI, No. 2 (1967).
- Leighton, D. S. R. "Current Developments in Marketing Theory", Management (Journal of the Irish Management Institute), February, 1967.
- McDougall, W. J., ed. Evolving Responsibilities of the Corporate Director. (Monograph). (London: University of Western Ontario, 1966), 128 p.
- Mikalachki, A. and Gouin, S. "Le directeur du personnel: une redéfinition de son rôle", Commerce. Vol. LXVIII, No. 10 (1966), pp. 24 - 28.
- Portis, B. "Psychological Concepts for Consumer Research", Journal of Advertising Research. Vol. VI, No. 3 (1966), pp. 31 - 36.

## LIBRARIES

- Banks, M. A. "The Franchise in Britain and Canada," University of Toronto Law Journal. Vol. XVII, No. 1 (1967), pp. 187 - 194.
- Macpherson, J. F. "Automated Acquisition at University of Western Ontario," In Canadian Association of College and University Libraries. Automation in Libraries (Ottawa: Canadian Library Association, 1967), pp. 37 - 42.

## ALTHOUSE COLLEGE OF EDUCATION

## DEPARTMENT OF COMMERCE

- Kaluza, H. J. and Walsh, J. E. "Updating the Teaching of Bookkeeping," Gregg Newsletter. May - June (1967), pp. 1 - 3.

## DEPARTMENT OF ENGLISH

- Linden, P. J. and Smallbridge, J. E. Language Comes Alive (11) (Toronto: J. M. Dent, 1967), 218 p.
- Smallbridge, J. E. "Introduction," In N. Shute No Highway (Toronto: Heinemann Educational Books Limited, 1967), pp. vii - ix.

## DEPARTMENT OF GEOGRAPHY

- Inch, R. S. "A List of Books Useful in Teaching Geography," Three Parts. Canadian Geographical Journal. Vols. LXXIV - LXXV, Nos. 5, 6, 1 (1967), pp. 178 - 179, 214 - 215, 36 - 37.

## DEPARTMENT OF HISTORY

- Bowden, J. J. (Review) Sorauf, F. A. An Informal Overview (Don Mills: Thomas Nelson & Sons (Canada), 1965). Canadian Journal of History. Vol. II, No. 3 (1966 - 1967), pp. 50 - 51.
- Milburn, G. Documents in the Teaching of History: An Introduction to the Jackdaw Series (Toronto: Clarke Irwin, 1967), 25 p.
- Milburn, G. (Review) Teaching the New Social Studies in Secondary Schools: An Inductive Approach. Edited by E. Fenton (New York: Holt, Rinehart and Winston, 1966), Canadian Journal of History. Vol. II, No. 1 (1966 - 1967), pp. 54 - 59.

## DEPARTMENT OF HISTORY OF EDUCATION

- Stamp, R. M. "Educational Thought and Educational Practice During the Years of the French Revolution," History of Education Quarterly. Vol. VI, No. 3 (1966), pp. 35 - 49.
- Stamp, R. M. (Review) Vignery, R. J. The French Revolution and the Schools: Educational Policies of the Mountain, 1792 - 1794 (Madison, Wisconsin: University of Wisconsin, 1965), History of Education Quarterly. Vol. VI, No. 4 (1966), pp. 88 - 89.

## DEPARTMENT OF MUSIC

- Woodburn, D. E. et al. Music for Young Canada 3 (Toronto: W. J. Gage Company, 1967), 170 p.
- Woodburn, D. E. et al. Music for Young Canada 4 (Toronto: W. J. Gage Company, 1967), 185 p.

## DEPARTMENT OF PHYSICAL HEALTH EDUCATION

- West, N. W., Life, J. and Passmore, J. Concepts in Health. Book 3 (Don Mills: Longmans, 1966), 169 p.

## DEPARTMENT OF PSYCHOLOGY

- McMurray, J. G. "Presidential Address," Ontario Psychological Association Quarterly. Vol. XX, No. 1 (1967), pp. 2 - 7.

## DEPARTMENT OF SCIENCE

- Wright, J. S. Waves and Particles. Radiation and Matter. Book 1 (Toronto: Copp Clark Company Limited, 1967), 93 p.

## BRESCIA COLLEGE

- Sharp, Sister C. "From the Confidante in Henry James," In Perspectives on James' The Portrait of a Lady. Edited by W. T. Stafford (New York: New York University Press Limited, 1967), pp. 217 - 244.
- Sharp, Sister C. "The Intellectual Sister," Sisters Today. Vol. XXXVIII, No. 7 (1967), pp. 220 - 223.

SCHEDULE OF RESEARCH FUNDS  
 FOR THE YEAR ENDING JUNE 30, 1967

PANEL OF MEDICINE

<u>Name of Donor</u>	<u>Drawer</u>	<u>Description of Funds</u>
Lucy Dorn	J.H. Toward	General Research
Lucy Dorn	W.E.G. Spaul	Research in Geriatrics
Franklin D. Field	Carol Cook	Research in complications of
Carol Cook		and the treatment of
		leukemia
Dr. David W. Cronkite	J.H. Toward	General Research
		Fellowship
J.P. Richard Foundation	T.J. Rostrom	For purchase of research
		equipment
Dean of Medicine	Galambos	Research in Geriatrics
		Research
Carl F. Schlegel	A. H. Neider	General Research
Schlegel		
Waltham Watch Co.	G. W. Dewey	General Research
Capit Research Corp	A. F. Poole	General Research
Dr. B. Collip Trust	R. K. Carroll	General Research
Trust		



SCHEDULE OF RESEARCH FUNDS  
FOR THE YEAR ENDING JUNE 30, 1967

FACULTY OF MEDICINE

<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
Sundry Donors	J. H. Toogood	Allergy Research
Sundry Donors	W. E. G. Spoerel	Research in Anaesthesia
Association for Aid of Crippled Children	Carol Buck	Relation between prenatal and natal complications and the occurrence of neuropsychiatric disorders in childhood.
Beck Sanatorium Fund	J. H. Toogood	Dr. David W. Crombie Memorial Research Fellowship
J. P. Bickell Foundation	F. J. Rounthwaite	For purchase of research audiometric system
Dean of Medicine	J. Allcock	Research in Diagnostic Radiology
Can. Fed. Biological Societies	A. H. Neufeld	Secretarial Services
Burroughs Wellcome Co.	C. W. Gowdey	Summer Student
Cancer Research Fund	D. Bocking	Cancer Research
Dr. J. B. Collip Trust Fund	K. K. Carroll	Medical Research

<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
Jane Coffin Childs Memorial Fund	K. Hoshino	Cancer Research
Canada Council	R. I. Duncan	Special Fellowship Expense
Violet Coulter Cardio-vascular Research Fund	G. W. Manning	Cardiovascular Research
Can. Cystic Fibrosis Fdn.	G. H. Valentine	Cystic Fibrosis Research
Canada Council	R. I. Duncan	Fellowship
Ont. Cancer Treatment & Research Fdn.	Carol Buck	Relationship between smoking in pregnancy and cancer in children
Ont. Cancer Treatment & Research Fdn.	K. M. Stavraky	Epidemiological Studies of Cancer
Ont. Cancer Treatment & Research Fdn.	E. R. Plunkett & K. K. Carroll	Clinical laboratory study of tumors influenced by variation in their steroid hormonal environment
Ont. Cancer Treatment & Research Fdn.	E. R. Plunkett	Investigation of the Endocrine Aspects of Cancer in Humans
Can. Arthritis & Rheumatism Society	C. W. Gowdey	Anti-inflammatory activity of a series of glyceryl ethers
Can. Arthritis & Rheumatism Society	M. Harth	Rheumatic Diseases Unit
Ciba Company Ltd.	G. G. Hinton & R. M. Knights	The effects of methylphenidate on the motor skills of children with minimal brain dysfunction
Can. Arthritis & Rheumatism Society	M. Harth	Rheumatic Disease Research

<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
National Cancer Institute	R. C. Buck	The ultra structure of tumour cells
National Cancer Institute	R. J. Rossiter	Cancer Research
National Cancer Institute	J. A. McCarter	Cancer Research
National Cancer Institute	Y. S. Brownstone	Cancer Research
National Cancer Institute	K. K. Carroll	Cancer Research
National Cancer Institute	H. B. Stewart	Cancer Research
National Cancer Institute	C. H. Cormack	Fellowship
National Cancer Institute	A. C. Wallace	Cancer Research
National Cancer Institute	J. A. McCarter	For the purchase of Equipment
National Cancer Institute	K. Hoshino	Cancer Research
National Cancer Institute	B. D. Reid	Fellowship
National Cancer Institute	C. W. Gowdey	Cancer Research
National Cancer Institute	R. I. Duncan	Cancer Research
National Cancer Institute	J. E. Moore	Fellowship
National Cancer Institute	E. W. Chan	Fellowship
Defence Research Board	Y. S. Brownstone	The use of short chain ribosides as blood preservatives
Defence Research Board	C. W. Gowdey	Studies on decompression aeroembolism
Defence Research Board	A. C. Burton	Changes in muscle after cold acclimatization
Defence Research Board	J. A. F. Stevenson	Metabolic reactions to dietary temperature and traumatic stresses

<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
Defence Research Board	I. G. Walker	Sulphydryl compounds and protection against radiometric alkylating agents
Sarah Duncan Estate	G. W. Manning	Cardiovascular Research
Defence Research Board	A. C. Burton	Mechanism of temperature receptors in acclimatization
Defence Research Board	J. M. Parker	Studies on low dose effects of organophosphorus compounds with regard to early incapacitating aspects
Medical Research Council	R. G. E. Murray	Equipment Grant
Medical Research Council	R. G. E. Murray	Equipment Grant
Medical Research Council	R. G. E. Murray	Equipment Grant
Medical Research Council	R. C. Buck	Equipment Grant
Medical Research Council	E. H. Colhoun	Equipment Grant
Medical Research Council	B. P. Squires	Equipment Grant
Medical Research Council	J. J. Seguin	Equipment Grant
Medical Research Council	D. B. Smith	Equipment Grant
Medical Research Council	D. B. Shaw	Equipment Grant
Medical Research Council	P. G. Dellow	Equipment Grant
Medical Research Council	K. K. Carroll	Equipment Grant
Medical Research Council	R. G. E. Murray	Equipment Grant
Medical Research Council	R. G. E. Murray	Equipment Grant
Medical Research Council	A. C. Groom	Equipment Grant
R. W. Frost, Esq.	G. E. Hall	Medical Research

<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
Medical Research Council	D. Bocking	Medical Research Fellowships
Medical Research Council	P. C. Fitz-James	Medical Research Associate-ship
Medical Research Council	K. P. Strickland	Medical Research Associate-ship
Medical Research Council	J. R. Beaton	Medical Research Associate-ship
Medical Research Council	K. K. Carroll	Medical Research Associate-ship
Medical Research Council	E. H. Colhoun	Medical Research Associate-ship
Medical Research Council	B. A. Gordon	Medical Research Scholarship
Medical Research Council	J. K. Ball	Medical Research Scholarship
Medical Research Council	P. G. R. Harding	Medical Research Scholarship
Medical Research Council	J. E. Grace	Medical Research Scholarship
Medical Research Council	J. R. Trevithick	Medical Research Scholarship
Medical Research Council	A. C. Groom	Medical Research Scholarship
Medical Research Council	N. R. Sinclair	Medical Research Scholarship
Medical Research Council	J. A. F. Stevenson	M. R. C. Fellowship Grant
Medical Research Council	R. A. H. Kinch	M. R. C. Fellowship Grant
Medical Research Council	J. R. Trevithick	M. R. C. Fellowship Grant
Geigy (Canada) Ltd.	G. W. Manning	Cardiovascular Research
Dr. A. J. Grace Memorial Fund	W. E. Spoerel	Research in Anaesthesia

<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
Dept. of National Health & Welfare	J. A. F. Stevenson	Fat Mobilizing substance at different ages
Dept. of National Health & Welfare	R. A. H. Kinch	Perinatal Mortality Study
Dept. of National Health & Welfare	J. C. Rathbun	Fluorescent Antibody Technique
Dept. of National Health & Welfare	G. E. Hobbs	Research Position in Epidemiology
Dept. of National Health & Welfare	A. T. Hunter	Medical Education - Television
Dept. of National Health & Welfare	A. T. Hunter	Medical Audience Educational Television Program
Dept. of National Health & Welfare	I. B. R. Duncan	Biological Properties of ECHO Type 30 Virus
Dept. of National Health & Welfare	R. A. H. Kinch	Study of the Unwed Mother
Dept. of National Health & Welfare	G. W. Manning	Clinical Cardiovascular Studies
Dept. of National Health & Welfare	E. J. K. Penikett	Amoebiasis
Dept. of National Health & Welfare	A. T. Hunter	Graduate Studies
Dept. of National Health & Welfare	A. T. Hunter	Advanced Graduate Training for General Practice
Dept. of National Health & Welfare	M. L. Barr	Equipment Grant
Dept. of National Health & Welfare	R. G. E. Murray	Equipment Grant
Dept. of National Health & Welfare	H. B. Stewart	Equipment Grant

<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
Dept. of National Health & Welfare	A. C. Burton	Equipment Grant
Dept. of National Health & Welfare	A. C. Wallace	Equipment Grant
Dept. of National Health & Welfare	C. W. Gowdey	Equipment Grant
Dept. of National Health & Welfare	J. A. F. Stevenson	Equipment Grant
Ontario Heart Foundation	D. Bocking	Summer Student Scholarships
Ontario Heart Foundation	J. M. Allcock	Cardiovascular Research
Ontario Heart Foundation	N. F. Gergely	Cardiovascular Research
Ontario Heart Foundation	F. S. Brien	Medical Research Fellowships
Ontario Heart Foundation	K. K. Carroll	Medical Research
Ontario Heart Foundation	A. C. Burton	Medical Research
Ontario Heart Foundation	G. W. Manning	Cardiovascular Research
Ontario Heart Foundation	G. W. Manning	Medical Research Associate-ships
Ontario Heart Foundation	J. C. Coles	Cardiovascular Research
Ontario Heart Foundation	A. H. Neufeld	Medical Research
Ontario Heart Foundation	S. E. Carroll	Medical Research
Mrs. W. F. Herman & W. L. Clarke	D. Bocking	Medical Research Fellowship
Joseph P. Kennedy Jr. Foundation	M. L. Barr	Mental Retardation
Lady Jean Lister Kay	F. S. Brien	Medical Research
Can. Life Ins. Officers' Association	J. C. Rathbun	Fellowship-G. G. Hinton

<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
Life Insurance Medical Research Fund	A. C. Burton	The biophysics of blood cells
Labatt Duphar Ltd.	C. W. Gowdey	Studies on monoaminoxidase inhibiting compounds
American Cyanamid Co.	D. Bocking	Lederle Medical Student Research Fellowship
F. K. Morrow Foundation	G. E. Hobbs	The relation of Population changes to Health and Disease
Sundry Donors	G. W. Manning	Dept. of Medicine Cardiovascular Research
J. McClary Memorial Fund	G. E. Hobbs	Research in Industrial Medicine
Mead Johnson of Canada Ltd.	H. H. Allen	Obstetrical Research Fund
The D. H. McDermid Memorial Fund	M. L. Barr	Medical Research
Estate of the late Bessie Mayne	D. Bocking	Cardiovascular Research
The Muscular Dystrophy Association of Canada	K. P. Strickland	Morphological and Chemical changes in myasthenia gravis, and myasthenia-like conditions
The Muscular Dystrophy Association of Canada	J. J. Seguin	Studies of the excitibility and contractibility of the decentralized neuromuscular system
The Muscular Dystrophy Association of Canada	W. L. Magee	Metabolism of Myelin
Wm. S. Merrill Co.	C. W. Gowdey	The investigation of a new compound for suppression of Lactation



<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
Dr. A. D. McLachlin	T. McLarty	Fellowship re Research
Dr. A. D. McLachlin	R. Clark	Fellowship re Research
Ontario Mental Health Foundation	W. C. McMurray	Investigation of Metabolic Disorders in Mentally Retarded children
Ontario Mental Health Foundation	G. E. Hobbs	A prospective study of the factors influencing the outcome of Schizophrenia
Ontario Mental Health Foundation	H. J. Thurlow	Characteristics of University Students with Emotional Problems
Ontario Mental Health Foundation	C. W. Gowdey	Factors influencing the consumption of drugs which depress the centre nervous system
Ontario Mental Health Foundation	G. E. Hobbs	Senior Psychiatrist
Ontario Mental Health Foundation	G. E. Hobbs	C. M. H. A. Niacin Schizophrenia
Ontario Mental Health Foundation	H. J. Thurlow	Illness in relation to the "life situation" and sick-role tendency
Medical Research Council	D. Bocking	For the support of Medical Research
Medical Research Council	D. Bocking	Summer Scholarships
Medical Research Council	A. VonHochstetter	Connective tissue, its functional structure and changes due to age
Medical Research Council	P. C. Fitz-James	Macromolecular synthesis in bacteria

<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
Medical Research Council	E. R. Plunkett	Investigation of pituitary-ovarian failure in humans
Medical Research Council	H. B. Stewart	Cytological organization and metabolism of yeast
Medical Research Council	K. P. Strickland	The biosynthesis of phospholipids
Medical Research Council	R. G. E. Murray	Studies of <u>Listeria Monocytogenes</u>
Medical Research Council	G. W. Stavraky	Responses of partially isolated structures to chemical, reflex, and electric stimulation
Medical Research Council	A. C. Burton	Energetics of vascular smooth muscle
Medical Research Council	G. J. Mogenson	Psychophysiological studies of motivation and learning
Medical Research Council	A. H. Neufeld	Metabolic changes in disease with emphasis on proteins
Medical Research Council	R. G. E. Murray	General and cytological studies of bacteria fungi and related matter
Medical Research Council	D. G. Montemurro	A study of the structure and neuro-endocrine importance of pituicytes
Medical Research Council	M. L. Barr	Cytogenetics and sex anomalies
Medical Research Council	K. K. Carroll	Consolidated Grant for Medical Research
Medical Research Council	R. J. Rossiter	Biochemistry of the nervous system

<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
Medical Research Council	R. C. Buck	Electron Microscopy of Cell Division
Medical Research Council	J. A. F. Stevenson	The role of the nervous and endocrine systems in the regulation of energy, water and electrolyte exchange
Medical Research Council	J. T. Hamilton	Closer study of the synaptic blockade produced by new and commonly-used agents
Medical Research Council	W. C. McMurray	Biochemical investigation of the developing nervous system
Medical Research Council	W. E. G. Spoerel	The effect of anaesthesia and resuscitation on cerebral ischemia in the rabbit
Medical Research Council	J. R. Beaton	Metabolic and endocrine regulation of nutritional state
Medical Research Council	K. K. Carroll	Analysis and metabolism of bacterial lipids
Medical Research Council	E. W. K. F. Donisch	The structure of the lower lumbar intervertebral discs in infants and children
Medical Research Council	J. J. Seguin	The role of proprioceptor mechanisms in shivering
Medical Research Council	C. W. Gowdey	Alkoxyglycerols and haematoposis
Medical Research Council	D. H. Carr	Chromosome anomalies and their relation to development

<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
National Research Council	C. C. Bigelow	The physical chemistry of proteins
Medical Research Council	E. H. Colhoun	Grant-in-Aid - M. R. C. Fellowship
Medical Research Council	E. L. Medzon	Virus-cell interaction
Medical Research Council	M. J. Hollenberg	Electron microscope studies of the vertebrate retina
Medical Research Council	C. C. Bigelow	Protein denaturation and structure
Medical Research Council	M. L. Barr	Studies in human genetics
Medical Research Council	J. A. McCarter	Interaction of nucleic acids with polycyclic aromatic hydrocarbons and acridines
National Research Council	J. Robinson	The mode of action of lysis of specific bacteria by <i>Bdellovibrio</i> (530)
Medical Research Council	R. B. Philp	Factors influencing platelet aggregation and thrombus formation
Medical Research Council	J. Robinson	The site and mechanism of formation of alpha and beta hemolysin by some strains of <i>Staphylococcus aureus</i>
Medical Research Council	Judith K. Ball	Medical Research Fellowship Grant
Medical Research Council	R. G. E. Murray	Visiting Scientist - M. V. Hermut
Medical Research Council	B. A. Gordon	Medical Research Fellowship Grant

<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
Medical Research Council	B. P. Squires	The regulation of pituitary and other polypeptide hormone secretion in animals and men
Medical Research Council	P. G. R. Harding	Fat metabolism in the fetus
Medical Research Council	A. D. Dickson	Histochemical study of implantation processes in the mouse
Medical Research Council	K. K. Carroll	Diet and cholesterol metabolism
Medical Research Council	W. L. Magee	The ethanolamine-containing phospholipids of brain
Medical Research Council	K. Hoshino	Hormonal influences upon development and function of endocrine and reproductive organs
Medical Research Council	R. A. Snyder	Analysis of total E. M. G. activity in voluntary contraction
Medical Research Council	J. K. Ball	Studies on the induction of malignant thymoma by a single injection of carcinogenic hydrocarbons in newborn mice
Medical Research Council	E. H. Colhoun	Metabolism of Amines
Medical Research Council	F. J. Rounthwaite	Electroneurophysiological aspects of audition and their application in the measurement of hearing in the retarded child
Medical Research Council	D. B. Smith	Structure of hemoglobin and hemoglobinhaptoglobin complex

<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
Medical Research Council	P. G. R. Harding	Grant-in-Aid - M. R. C. Fellowship
Medical Research Council	J. H. Walters	Re Dr. Elias Gammal Research
National Research Council	D. G. Gardner	Gingival biopsy in the differential diagnosis of Hurler's and Morquio's syndromes
Medical Research Council	M. J. Hollenberg	Re M. R. C. Fellowship awards
Medical Research Council	A. D. Dickson	Giant Cell Transformation of Cultured Mouse Blastocysts
Medical Research Council	C. W. Gowdey	In support of Dr. J. M. Parker's Research
National Research Council	P. G. Dellow	Salivary gland-nervous system interrelationships
Medical Research Council	M. Russek	Hepatic receptors in the control of food intake
Medical Research Council	F. R. Calaresu	Electrophysiological study of central pathways involved in the control of heart rate
Medical Research Council	C. W. Gowdey	Study of vasodilator mechanism during reoxygenation following hypoxia
Medical Research Council	A. Bakerspigel	Fungistatic activity of normal and abnormal sera
Medical Research Council	K. Ebisuzaki	A fine analysis of Phage DNA composition and control of multigene systems

<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
Medical Research Council	A. C. Groom	Blood flow through smaller vessels of skeletal muscle and dynamics of the splenic circulation
Medical Research Council	J. Rozanis	The effect of PAS on nocardia
Medical Research Council	N. R. S. Sinclair	Studies on thymic function
Medical Research Council	G. W. Manning	Computer analysis of electrocardiogram by simultaneously recorded orthogonal leads
Medical Research Council	M. L. Barr	Chromosome abnormalities in rabbit embryos
National Research Council	K. Hoshino	Studies on salivary glands in mice
Medical Research Council	J. M. Parker	Effects of drugs on different types of sleep
Medical Research Council	J. R. Trevithick	Molecular events after protein biosynthesis
Sundry Donors	J. A. F. Stevenson	Miscellaneous Research in Physiology
Population Council	A. D. Dickson	Induction of Implantation in the Ovariectomized mouse by a Blastocyst Extract
Population Council	A. D. Dickson	Studies on the induction of implantation in the ovariectomized mouse
Ortho Pharmaceutical Ltd.	E. R. Plunkett	Research in the field of infertility and gynaecological endocrinology
Ortho Pharmaceutical Ltd.	R. A. H. Kinch	Ortho Progestin Study

<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
Ortho Pharmaceutical Ltd.	R. A. H. Kinch	To investigate the possible hypertensive effect of progestational steroids
Richard Ivey Foundation	F. J. Rounthwaite	Hearing Testing Equipment
Damon Runyon Memorial Fund	J. V. Frei	Fate and effects of injected DNA in mice
Richard Ivey Foundation	O. H. Warwick	For general Research Purpose in the Health Sciences
Searle Co.	M. L. Robinson	Substitution Therapy in Menopause
Smith, Kline & French	C. W. Gowdey	Studies on the Common Cold
National Council to Combat Blindness, Inc.	M. J. Hollenberg	"Fight for Sight"
Estate of the late Col. J. E. Smallman	A. D. McLachlin	Urological Research
Sundry Donors	F. J. Rounthwaite	Drug Study
Ont. Tuberculosis Ass'n	N. M. Lefcoe	Tuberculosis Research
Oxford County Tuberculosis Ass'n	N. M. Lefcoe	Tuberculosis Research
Can. Tuberculosis Ass'n	J. H. Toogood	Tuberculosis Research
Can. Foundation for the Advancement of Therapeutics	C. W. Gowdey	Research on Advancement of Therapeutics
Ont. Tuberculosis Ass'n	A. Bakerspigel	Tuberculosis Research
Can. Tuberculosis Ass'n	E. L. Medzon	Chemical and Biological Characterization of Tubercle Antigens
Upjohn Co. of Canada	R. A. H. Kinch	Obstetrical Research



<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
Victoria Hospital Surgical and Teaching Fund	A. D. McLachlin	Summer Scholarships
John Wyeth & Bro. (Canada) Ltd.	D. Bocking	Medical Research Special
The Henry Wolf Memorial Fund	G. W. Manning	Cardiovascular Research
Will Pharmaceutical Co.	C. W. Gowdey	Research in Pharmacology
Warner Lambert Co.	E. R. Plunkett	Obstetrical Research
Warner Lambert Co.	E. R. Plunkett	Obstetrical Research
Medical Research Council		Consolidated Advance Account

## FACULTY OF ARTS AND SCIENCE

American Chemical Society	P. de Mayo	Chemical Research
Department of Agriculture Canada	A. W. A. Brown	Genetics of insecticide resistance in insects of agricultural importance
American Chemical Society	J. B. Stothers	Organic Applications of Nuclear Magnetic Resonance Spectroscopy
American Chemical Society	J. F. King	Sulphenes and Oxythiones
Arctic Institute of North America	R. F. Mereu	Seismic recording of Project Longshot
North Atlantic Treaty Organization	H. C. Clark	Aspects of the organo-metallic chemistry of germanium tin and lead
Arctic Institute of North America	K. L. MacInnes	Study of growth, reproduction, seed production, distribution and germination in <i>Pedicularis</i> species

<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
National Research Council	D. M. Graham	Photochemical investigations
National Research Council	T. K. R. Bourns	Host-parasite relationships of Trematodes in Ontario
National Research Council	P. de Mayo	Organic Chemistry
National Research Council	H. I. Battle	Embryonic responses of teleosts to selected protein and RNA inhibitors
National Research Council	W. Wehlau	Photometric and spectroscopic studies of peculiar A stars
National Research Council	A. J. Sukava	Cathode overpotential and surface-active additives in the electro-deposition of copper
National Research Council	C. J. Hickman	Biological and taxonomic studies of fungi, especially of plant pathogens
National Research Council	D. M. Scott	Biology of Passerine Birds
National Research Council	E. W. Warnhoff	Pharmacologically-active fluorine compounds
National Research Council	C. J. Hickman	Fellowship for Dr. Brandham
National Research Council	J. F. Hart	Least maximum approximation in more than one variable
National Research Council	D. B. McMillan	Studies in comparative histology
National Research Council	F. S. Cook	A study of pollen physiology
National Research Council	W. C. Howell	The chemistry of some aromatic quinonoids systems

<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
Arctic Institute of North America	R. F. Mereu	"Early Rise" project
Alcoholism & Drug Addiction Research Foundation	D. N. Jackson	Behavioural Studies in Alcoholism
North Atlantic Treaty Organization	A. D. Edgar	Geochemistry of Eclogites
American Chemical Society Research Fund	H. C. Clark	The Activity of Olefins towards Metal Bonds
American Metal Climax	G. G. Suffel	Support Graduate Student Work
North Atlantic Treaty Organization	R. W. Hutchinson	Comparative Study of Turkish & Canadian Massive Sulphide Ore Deposits
Abbott Laboratories	M. Rieber	Study of Cylert (Magnesium Pemoline)
J. P. Bickell Foundation	C. G. Winder	Equipment Grant
J. P. Bickell Foundation	A. E. Beck	Equipment Grant
Bristol Laboratories	P. de Mayo	Chemical Research
Canada Packers Limited	P. de Mayo	Chemical Research
Imperial Oil Limited	H. C. Clark	Chemical Research
Imperial Oil Limited	P. de Mayo	Chemical Research
Canada Council	H. W. Taylor	Changing Patterns in the Economic Geography of South-eastern Brazil
Canadian Council on Urban & Regional Research	C. F. J. Whebell	Hypothesis relating settlement patterns with corridors and local government boundaries

<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
Canada Council	J. F. Kantner	The Determinants & Consequences of Patterns of Family Formation
Canada Council	G. L. Reuber	Canadian Economic Policy
Canada Council	R. C. Gardner	Bicultural Communication, The Significance of Stereotypes
National Cancer Institute	J. Purko	Cancer Research
Canada Council	E. Harvey	Industrial and Occupational Sociology
Canada Council	H. W. Taylor	Investment in Brazilian Agriculture
Defence Research Board	C. J. Willis	Studies on the synthesis and properties of perfluoro-alkyl silicones
Defence Research Board	J. W. Lorimer	Thermal diffusion in ion-selective members
Defence Research Board	A. W. A. Brown	Factors in attractiveness of objects to adult Aedes Aegypti
Defence Research Board	P. A. Forsyth	VHF radio wave scattering in the ionosphere
Defence Research Board	D. R. Hay	Physics of the troposphere as related to UHF radio transmission
Defence Research Board	G. F. Lyon	Ionospheric studies using satellites
Defence Research Board	J. W. Lorimer	The Chemistry of Water-Repellant Compounds

<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
Defence Research Board	J. F. Hart	Minimax Approximation Theory
Defence Research Board	M. M. Schnore	The effect of repetition and individual differences in short term memory
Defence Research Board	P. W. M. Jacobs	Physical chemistry of solid fuel propellants
Defence Research Board	D. R. Miller	Numerical solutions in fluid mechanics
Defence Research Board	M. Schlesinger	Physical properties of crystals containing defects in excited states
Defence Research Board	J. A. Fulford	Solar radio noise patrol with high resolution direction-finding interferometers
Defence Research Board	E. Brannen	Submillimeter Maser Research
Department of Defence Production	A. E. A. Brown	DDT Residue at Fort Churchill Manitoba
Dow Chemical of Canada	P. de Mayo	Chemical Research
Dupont of Canada	H. C. Clark	Chemical Research
Dow Chemical of Canada	A. W. A. Brown	Resistance hazard of Dursban for mosquitoes
Lake Dufault Mines	R. W. Hutchinson	A study of the Lake Default Mine
Essex-Kent Regional Tourist Council	E. G. Pleva	The Baldoon Study
Private Planning Ass'n. of Canada	G. L. Reuber	Atlantic Economics Studies

<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
B. L. Shapiro	J. B. Stothers	Experimental NMR Conference
Department of Energy, Mines and Resources	W. H. Wehlau	Purchase of a Sky Atlas
Department of Economics and Development	E. G. Pleva	Regional Development Research Studies
New York Zoological Society	W. H. Holsworth	Ecological Comparison of Social Organization in Bison
National Research Council	A. D. Edgar	Equipment Grant
National Research Council	W. H. Wehlau	Equipment Grant
National Research Council	H. C. Clark	Equipment Grant
National Research Council	J. B. Stothers	Equipment Grant
National Research Council	B. G. Cumming	Equipment Grant
National Research Council	J. F. Hart	Computing Facilities
National Research Council	J. A. Blackwell	Equipment Grant
National Research Council	D. B. McMillan	Equipment Grant
National Research Council	D. R. Moorcroft	Equipment Grant
National Research Council	C. G. Winder	Equipment Grant
National Research Council	M. Schlesinger	Equipment Grant
National Research Council	A. D. Edgar	Equipment Grant
National Research Council	B. G. Cumming	Equipment Grant
National Research Council	C. D. MacInnes	Equipment Grant
Ontario Fuel Board	J. F. Hart	Studies of the use of information processing methods in the search for oil and gas in Ontario

<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
Department of National Health and Welfare	M. S. Yuhasz & P. A. Rechnitzer	Effects of a twenty-week exercise program on Post Infarct and Clinically Healthy Males
Fisheries Research Board	G. L. Reuber	Economics Research
National Research Council	A. E. Beck	Fellowship for J. H. Sass
National Research Council	C. J. Hickman	Fellowship for P. S. Ramakrishnan
National Research Council	E. Brannen	Fellowship for V. Sochor
National Research Council	P. de Mayo	Fellowship for D. P. Helmlinger
Geological Survey of Canada	R. W. Packer	Repose slopes on Pleistocene material in Southwestern Ontario
Geological Survey of Canada	C. G. Winder	Microfauna of Kettle Point & Port Lambton Shales, Ontario
Geological Survey of Canada	G. G. Suffel	Comparison of structures and textures in Sulphide ores with those of metamorphic rocks
Department of Energy, Mines and Resources	A. E. Beck	Seismic Observatory
Geological Survey of Canada	A. Dreimanis	Stratigraphic correlation of Glacial Deposits between Lake Huron & St. Lawrence Lowlands
Geological Survey of Canada	W. R. Church	Geological Research
Geological Survey of Canada	A. D. Edgar and R. W. Hutchinson	Comparative Studies of lithium-bearing pegmatites

<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
Geological Survey of Canada	A. C. Lenz	Upper Silurian and Lower Devonian brachiopods at Royal Creek area, Yukon
Geological Survey of Canada	G. M. Young	Stratigraphy, structure and sedimentology of the Precambrian rocks of Harrow
Department of Energy, Mines and Resources	V. W. Sim	Department of Mines & Technical Surveys
Department of Energy, Mines and Resources	W. R. Wightman	The Historical Geography of Southwestern Ontario 1780-1960
Geological Survey of Canada	A. E. Beck	Determination of Underground Water Flows, Coronation Mine
Geological Survey of Canada	A. Dreimanis	Buried Soil in Banff National Park
Geological Survey of Canada	A. Dreimanis	Provenance of Diamonds in Glacial Drift, Great Lakes Region
Department of Energy, Mines and Resources	W. H. Wehlau	To supply refrigeration for Photomultiplier
Department of Highways	R. McDaniel	Patterns of travel to resorts in Southern Ontario
Thomas S. Knight	C. D. MacInnes	Study of Canada Geese in Arctic
John Labatt Limited	C. J. Hickman	Botany Research Funds
The Eli Lilly Company	P. de Mayo	Research on Natural Products
Lake Erie Regional Development Study	E. G. Pleva	Geographical Research



<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
Department of Labour (Federal)	L. Parai	A study in short term fluctuations in Canadian international migration 64-65
Department of Labour (Federal)	D. A. Chambers	An appraisal of the skills and work potentials of mental health patients
Population Council	D. I. Pool	Processing and analysis of fertility survey data, collected in Ghana
Mobiloil of Canada	A. E. Beck	Geophysics Research
Medical Research Council	K. Zachariah	Sporulation in penicillium and aspergillus
Department of Transport - Canada	D. R. Hay	Micrometeorology of the Outer Layer of Frictional Influence
Department of Transport - Canada	R. C. Murty	For conduct of literature survey in the field of atmospheric electricity
Ontario Mental Health Fdn.	D. A. Chambers	Pharmacologic effects on response intergration
Ontario Mental Health Fdn.	D. A. Chambers	Equipment Grant
Ontario Mental Health Fdn.	Z. W. Pylyshyn	Content analysis of psychiatric interview transcripts
Ontario Mental Health Fdn.	W. J. McClelland	Infantile emotionality and later behaviour: A study of learned fear
Ontario Mental Health Fdn.	H. O. Lobb	The effect of amphetamine on classical trace condition- ing in mentally retarded and normal adults

<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
Ontario Mental Health Fdn.	M. Rieber	Problem solving strategies in children as a function of age and intelligence
Ontario Mental Health Fdn.	R. C. Gardner	Verbal behaviour of psychotics
Ontario Mental Health Fdn.	T. J. Ryan	Comparative investigation of frustrative non-reward in normal and retarded children
Ontario Mental Health Fdn.	R. M. Knights	The effects of cerebral lesions in children on psychological test performance
Ontario Mental Health Fdn.	M. M. Schnore	Memory ability for visual patterns in elderly psychiatric patients
Ontario Mental Health Fdn.	T. F. Siess	An evaluation of teachers' assessments of children's adjustment
Ontario Mental Health Fdn.	D. N. Jackson	A research program in the assessment of psychopathology
National Research Council	A. E. Scott	Nuffield Foundation - Visiting Lectureship in Science for G. E. Coates
National Research Council	P. A. Fraser	Theoretical studies in Atomic collisions
National Research Council	J. B. Stothers	Reaction mechanism studies and NMR Spectroscopy
National Research Council	J. F. King	Reductions and rearrangements

<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
National Research Council	W. R. Church	Geochemistry of Eclogites
National Research Council	R. W. Hutchinson	Genesis of Massive Sulphide deposits
National Research Council	H. W. Baldwin	Oxygen-18 exchange studies of oxyanions in aqueous solution
National Research Council	J. F. Hart	Computing Facilities
National Research Council	W. E. McKeen	Electron microscopy and plant disease investigation
National Research Council	R. K. C. Chan	Physico-chemical effects of pressure
National Research Council	A. W. A. Brown	Biochemical genetics of DDT-resistance in mosquitoes
National Research Council	E. Brannen	Submillimeter physics research with a racetrack microton
National Research Council	J. H. Blackwell	Hydromagnetic boundary value problems
National Research Council	J. A. Fulford	Investigation of a high power transmitter
National Research Council	A. E. Beck	Terrestrial heat flow
National Research Council	D. B. Walden	Cytogenetic studies in Zea Mays L
National Research Council	C. J. Willis	Studies on perfluoroalkyl derivatives of elements of groups III and IV
National Research Council	D. R. Bidinosti	Mass spectrometric studies of ionization phenomena and of high temperatures

<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
National Research Council	J. W. Lorimer	Transport processes in ion-selective membranes
National Research Council	P. A. Forsyth	Radio physics of the high atmosphere
National Research Council	R. A. Haines	Investigations of metal complexes with thiosemicarbazide
National Research Council	H. I. S. Ferguson	Ion beam spectroscopy of gases and solids
National Research Council	P. A. Forsyth	Rocket Measurements of ionospheric inhomogeneities
National Research Council	W. W. Judd	Comparative morphology of internal and anatomy of muscoid diptera
National Research Council	M. H. A. Keenleyside	The reproductive behaviour of some Ontario fishes
National Research Council	E. W. Warnhoff	Structural and stereochemical studies of terpenes and alkaloids
National Research Council	A. M. Wellman	Biological effects of liquid nitrogens on fungi
National Research Council	M. Schlesinger	Physical properties of crystals containing "defects" in excited states
National Research Council	C. D. MacInnes	A quantitative investigation of the ecology of Canada geese and other bird species nesting near the mouth of McConnell River N. W. T.
National Research Council	D. Naylor	Fourth order Eigenvalue problems

<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
National Research Council	T. W. W. Stewart	Investigation of the physical basis of pitch perception
National Research Council	C. G. Winder	Micropaleontology of the Devonian, Southern Ontario
National Research Council	J. P. Denny	The relation of information and memory variables in concept formation
National Research Council	C. M. Carmichael	Rock magnetism, paleomagnetism and geomagnetism
National Research Council	J. P. Denny	The relation of attributes, values and instances to concept formation strategies and the concept formed
National Research Council	R. F. Mereu	Deep and shallow crustal sounding research
National Research Council	A. Paivio	Meditation processes in verbal learning
National Research Council	J. B. Phipps	Evolution of genera in Arundinelleae
National Research Council	R. H. Stinson	A study of physiological and ecological differences in slugs of the genera deroceras and Arion
National Research Council	J. D. Talman	Energy levels of the rotation band of Ne20
National Research Council	R. J. Uffen	Geophysical investigations
National Research Council	T. J. Ulrych	Strontium and lead isotope variations and rubidiumstrontium geochronology

<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
National Research Council	A. D. Edgar	Hydrothermal investigations in melilites and related undersaturated minerals
National Research Council	P. B. Cavers	The biology of weeds
National Research Council	R. G. Kidd	Nature of the metal-ligand bond in co-ordination complexes of transition metals
National Research Council	R. W. Hutchinson	Dynamic and thermal metamorphism of primary massive sulphide ores
National Research Council	K. A. Innanen	Studies in galactic evolution
National Research Council	P. W. M. Jacobs	Optical and electrical properties of crystals
National Research Council	G. F. Lyon	A study of the angular dependence of VHF auroral scatter
National Research Council	T. C. W. Mak	X-ray analysis of crystal structures
National Research Council	W. J. E. Meath	Investigation of new types of intermolecular forces
National Research Council	R. Mitalas	Magnetic field annihilation in the earth's magnetosphere
National Research Council	A. E. Beck	Improvement in geophysical instrumentation and data reductions
National Research Council	M. E. L. Fleet	Structural chemistry of the iron, zinc sulphide minerals

<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
National Research Council	R. M. Knights	The effect of anxiety, stress and irrelevant stimulation on a visual discrimination task
National Research Council	R. I. Greyson	Studies of hormonal integration in the growth and development of flowers
National Research Council	D. R. Moorcroft	The nature of radio-aural ionization
National Research Council	R. C. Murty	Gamma ray investigation of heterogeneous materials
National Research Council	G. S. Rose	Laboratory simulation of solar wind geomagnetic field interaction
National Research Council	D. E. Smylie	Thermal convection in a central force wind
National Research Council	S. Takasu	A unified study of machines and algorithms
National Research Council	J. D. Talman	Theoretical research in quantum mechanical many-body systems and other quantum mechanical problems
National Research Council	H. vander Laan	The theory of radio galaxies
National Research Council	F. R. Wilkinson	Perceptual tests of a proposed neurophysiological theory of visual perception
National Research Council	D. G. Wilson	Physiological studies on organic acids
National Research Council	C. G. Winder	Carbon clasticity, dolomitization and insoluble residues of Middle Ordovician limestones

<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
National Research Council	M. M. Ali	Estimation of parameters of a contaminated distribution
National Research Council	J. E. Steele	Metabolic and developmental regulatory mechanism in insects
National Research Council	B. G. Cumming	The control of germination and flowering in relation to phytochrome and endogenous circadian rhythms.
National Research Council	L. Orloci	Ecological informativeness of quantitative analyses
National Research Council	E. L. Vogan	Solar-terrestrial disturbances
National Research Council	H. C. Clark	Studies of Organometallic and co-ordination compounds
National Research Council	G. J. Mogenson	Studies in physiological psychology
National Research Council	C. E. Caten	Genetical studies on wild populations of Fungi
National Research Council	L. M. Manshina	Investigation of Seismic source mechanism and surface wave dispersion with ultrasonic models
Department of Philosophy Research Fund	J. Margolis	Research in philosophy
Department of Psychology Research Fund	M. Wright	Research in psychology
Public Health Service (US)	A. W. A. Brown	Mosquitoes resistance to insecticide and chemosterilants
Public Health Service (US)	P. de Mayo	Metabolites of H. Sativum



<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
Public Health Service (US)	P. de Mayo	The constitution of Primycin
Department of University Affairs	G. G. Suffel	Nature and origin of certain sedimentary banded iron formations of Ontario
Department of University Affairs	D. G. Wilson	An investigation of the organic acids in succulent plants
Department of University Affairs	D. A. McLarty	Studies on the growth and control of species of Cladophora under laboratory conditions
Department of University Affairs	D. M. Graham	Autoxidation studies
Department of University Affairs	J. F. King	Dipolar cyclic intermediates
Department of University Affairs	W. H. Wehlau	A study of very low dispersion objective prism spectra and associated photometry
Department of University Affairs	J. B. Stothers	NMR studies of the dependence of vicinal coupling constants on molecular geometry
Department of University Affairs	A. Dreimanis	Relationship of lithologic and granulometric composition of till to bedrock and older Pleistocene sediments which have been traversed by glacier
Department of University Affairs	T. K. R. Bourns	Studies on host parasites relations
Department of University Affairs	D. B. MacMillan	A historical study of developmental stages of the plasmacyte

<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
Department of University Affairs	W. R. Church	Stratigraphy, structure and sedimentology of the proterozoic rocks north-east of Manitoulin Island
Department of University Affairs	A. D. Edgar	High temperature phase relations in the system NAAISIO-4-KAISIO4
Department of University Affairs	M. H. A. Keenleyside	Comparison of habitat of brook trout and juvenile Atlantic salmon
Department of University Affairs	H. C. Clark	Organic derivatives of nickel
Department of University Affairs	J. F. Hart	Trend surface analysis of the Paleozoic geology of Southwestern Ontario
Department of University Affairs	D. R. Miller	Research on convection cells in fluids
Department of University Affairs	J. E. Steele	Studies insect blood proteins
Department of University Affairs	R. A. Haines	Chemical research
Department of University Affairs	J. Starkey	Geological research
Department of University Affairs	L. K. Chan	Mathematical research
National Aeronautics & Space Administration	H. I. S. Ferguson	Theoretical and experimental studies in astrophysics
Schering Corp. Ltd.	P. de Mayo	Research in Chemistry
J. B. Smallman Memorial Research Fund	M. K. Inman	Research in Humanities and Social Sciences

<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
Canadian National Sportmen's Fund	D. A. McLarty	To promote Algae Studies
Squibb Institute	P. de Mayo	Studies in photochemical rearrangement of hetero-systems
National Research Council	A. E. Scott	Symposium on science
Alfred P. Sloan Fdn.	J. F. King	Research fellowship in chemistry
Canadian National Sportmen's Show	P. B. Cavers	Study of the ecology of a number of plant species along the banks of rivers and streams in south-western Ontario
Canadian National Sportmen's Show	T. K. R. Bourns	Blood fluke disease in ducks
Canadian National Sportmen's Show	W. N. Holsworth	Ecological and social behaviour of the white tailed deer
National Research Council	G. F. Beckhoff	Graph applications in systems theory
National Research Council	D. Borwein	Summability of series and integrals
National Research Council	P. A. Forsyth	Additional high atmosphere research
National Research Council	H. R. Froelich	Race-track microtrons as medium energy accelerators
National Research Council	R. A. Haines	Investigations of metal complexes with thiosemi-carbazide
National Research Council	W. H. Holsworth	Social behaviour, ecology and population control of mammals

<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
National Research Council	D. H. Hunter	Stereochemistry of anions stabilized by B Methoxy Groups
National Research Council	R. W. Hutchinson	Electron probe study of pyrrhotite
National Research Council	W. R. Jarman	Theoretical studies of diatomic band intensities
National Research Council	T. M. Luke	Unstable particles in S-Matrix theory
National Research Council	P. W. Manuel	Magnetic phenomena on the sun
National Research Council	D. R. Miller	Cellular Convection Patterns
National Research Council	M. A. Nerenberg	Excited states of 3-electron atoms
National Research Council	H. C. Palmer	Paelomagnetic investigations
National Research Council	P. Reynolds-Warnhoff	Rearrangements of di-secondary exoxides of fixed stereochemistry
National Research Council	T. J. Ryan	Duration of the frustration effects in children
National Research Council	A. K. Saleh	Fiducial distribution and inference
National Research Council	M. Sibuya	Development of computer programs for statistical analysis
National Research Council	J. Starkey	A quantitative study of the crystal orientations in both naturally and synthetically deformed rocks
National Research Council	K. Subrahmaniam	Further contribution to the theory non-normality

<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
National Research Council	G. G. Suffel	Relationships of dikes to Canadian massive sulphide ores
National Research Council	E. W. Warnhoff	Preparation and reactions of aliphatic fluorine and other halogen compounds
National Research Council	G. M. Young	Regional investigation of sedimentology and provenance of the Gowganda formation (Huronian)
National Research Council	Lai Kow Chan	Rate of convergence of maximum likelihood and best linear estimates
National Research Council	Zenon W. Pylyshyn	Development of techniques and programs for computer analysis of spoken text, with special references to psychiatric interviews
National Research Council	M. Rieber	Sudden Acquisition as an index of mediation in children
National Research Council	A. A. Monjan	Functional properties of cerebellar sensory areas
National Research Council	H. M. Simpson	Pupillary activity during imaginary tasks
National Research Council	S. C. R. Dennis	The study of asymmetrical motions of a viscous fluid
National Research Council	R. B. Van Huystee	Effect of irradiation nucleic acid and protein metabolism in plants
National Research Council	Purko	Mechanisms underlying processes in early embryogenesis and cell division

<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
National Research Council	Y. F. Bow	Theoretical study on nuclear magnetic moments and nuclear magnetic transitions
National Research Council	R. H. Cole	General Boundary conditions for ordinary differential equations
National Research Council	D. P. Gray	Model atmospheres
National Research Council	A. C. Lenz	Upper Silurian and Lower Devonian biostratigraphy of Royal Creek, Yukon & South Nahanni Region, North West Territories
National Research Council	R. K. Misra	Genetic aspects of variations among population of Canadian Geese
National Research Council	D. R. Pederson	Childrens reactions to non-reward facilitation and interference effects
National Research Council	Z. W. Pylyshyn	Development of techniques and programs for computer analysis of spoken test
National Research Council	W. J. Richards	An acoustic investigation of laser beat frequencies using Piezo electric crystals
National Research Council	R. R. Roth	Steroid hormone metabolism in vertebrates
National Research Council	B. L. R. Shawyer	Summibility of series and integrals
U.S. Office of Naval Research	D. C. Bradley	Research on compounds containing transition metals banded to sulphur, selenium or tellurium

<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
U.S. Office of Naval Research	G. S. Rose	Atmospheric Physics Research
U.S. Air Force Office of Scientific Research	D. R. Hay	Investigation of refractometer measurements in the atmosphere
U.S. Air Force Office of Scientific Research	E. Brannen	Millimeter and submillimeter electromagnetic radiation
U.S. Office of Naval Research	J. F. Hart	Research on minimax approximations
U.S. Air Force Office of Scientific Research	D. R. Hay	Investigation of dual refractometer measurements at high relative humidities
U.S. Air Force Office of Scientific Research	R. W. Nicholls	The study of electronic structure, band intensities and modes of excitation of molecular species
U.S. Air Force Office of Scientific Research	D. R. Bidinosti	Some thermochemical studies by mass spectrometry
U.S. Air Force Office of Scientific Research	P. W. M. Jacobs	Research in photo chemistry of solids
U.S. Air Force Office of Scientific Research	P. W. M. Jacobs	Investigation and evaluation of data concerning the decomposition of ammonium perchlorate
University of Western Ontario	S. J. R. Noel	Canadian Political behaviour
University of Western Ontario	B. B. Kymlicka	Research into the new politics 20 course
University of Western Ontario	H. K. Kalbfleisch	Preparation of monograph concerning the pioneer German newspapers of Ontario 1835-1918
University of Western Ontario	G. L. Tracy	Preparation of an anthology of German literature

<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
University of Western Ontario	A. R. Anderson	Preparation of an anthology of German literature
University of Western Ontario	G. H. Seufert	A comparative study of the poetical works of Bernhard Von Ventadorn and Heinrich Von Morungen
University of Western Ontario	J. W. Davis	Berkeley's design
University of Western Ontario	R. E. Butts	William Whewell's philosophy of science
University of Western Ontario	W. Kent-Wilson	Modal logic and the semantics of modal systems
University of Western Ontario	H. B. Timothy	The history of the Galt family
University of Western Ontario	P. A. Angeles	Philosophy of religion
University of Western Ontario	D. Gerber	Bibliography of Pindar
University of Western Ontario	W. M. Dobell	History and development of Modern Turkey
University of Western Ontario	I. Block	A study of Aristotle
University of Western Ontario	M. P. Maynard	Representation
University of Western Ontario	R. Piontkovsky	Russian literature prior to 19 Century
University of Western Ontario	L. P. Singh	Indonesian Foreign Policy
University of Western Ontario	J. Shingler	Political movements in South Africa



<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
University of Western Ontario	G. Buchdahl	Philosophical research
University of Western Ontario	R. Neuhauser	Literature of Russian romanticism
University of Western Ontario	A. Schrecker	Leibniz - Monadology and other philosophical essays
University of Western Ontario	D. E. Hill	Study of the manuscript of Statius' Thebaid
University of Western Ontario	A. R. Littlewood	Study of work of Joannes Geometres
University of Western Ontario	H. A. Hosse	Comparative study of planning and operational aspects of Regional Development and Resource Management - Ruhr District of West Germany
University of Western Ontario	P. Cardinal	Descriptive stylistics of the French Canadian Language
University of Western Ontario	Dallas McFadden	Russian Conjugation
World Health Organization	A. W. A. Brown	Investigation on the insecticide resistance problem
Wildlife Management Institute	C. D. MacInnes	A study of the Canada Geese N. W. T.
Canadian Wildlife Service	C. D. MacInnes	Study of family group behaviour of Blue Geese, McConnell River
Arctic Institute of North America	C. D. MacInnes	Quantitative study of the ecology of Canada Geese and other bird species

<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
Canadian National Sportmen's Show	C. D. MacInnes	A study on the growth and development of young Canada Geese
National Research Council		Consolidated Advance Account
University of Western Ontario	I. K. Steele	British Imperial & American Colonial History
University of Western Ontario	James B. Sanders	Les Project Theatraux inedits d'Henry Ceard 1851-1924
University of Western Ontario	Thomas J. Collins	The development of Robert Browning's Moral Aesthetic Theory 1833-1855
University of Western Ontario	L. M. Heller	Pascal & Crotius
University of Western Ontario	R. L. Walters	The Scientific Writing of Voltaire
University of Western Ontario	A. B. Conron	Canadian & Common- wealth Writers
University of Western Ontario	A. H. Johnson	Experimental Realism
University of Western Ontario	H. Berry	Life of Sir John Suckling
University of Western Ontario	T. J. Courchene	Price Production Study
University of Western Ontario	R. J. Wonnacott	Costs of Protection
University of Western Ontario	J. Kantner	Fertility study of the population

<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
University of Western Ontario	J. D. Allingham	A simulation model of labour force participation
University of Western Ontario	R. R. Balakrishnan	An ecological analysis of the Metropolitan Areas of Canada 1961
University of Western Ontario	B. D. Singer	Relative Import and Image of different Mass Communication media in the area of Sociological Etiology of mental illness
University of Western Ontario	G. K. Jarvis	Rates of automobile ownership and use for the Continental United States 1910-1965
University of Western Ontario	P. A. Morrison	Differential Migration in the Netherlands
University of Western Ontario	R. W. Osborn	Morality trends in Canada
University of Western Ontario	E. Harvey	Investigation of decision making processes in Business Corporations
University of Western Ontario	W. K. Ferguson	History of the Renaissance period
University of Western Ontario	J. G. Rowe	William of Tyre and the Church of Rome
University of Western Ontario	R. L. Emmerson	17 - 18th Century Religious thought
University of Western Ontario	D. S. Hoffman	19th Century history of Germany
University of Western Ontario	B. Rajan	Major critical study of work of John Milton

<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
University of Western Ontario	R. G. N. Bates	The works of James Joyce
University of Western Ontario	D. S. Hair	Genre in Browning's Poetry
University of Western Ontario	D. Kaula	Research in a series of important Shakespeare sources discovered in May, June 1966
University of Western Ontario	E. J. Devereux	Bibliography of the Press of John Byddell
University of Western Ontario	G. L. Reuber	Balance of Payments Adjustment
University of Western Ontario	R. C. Bodkin	Cyclical Properties of a Variable Lag Model
University of Western Ontario	D. E. Bond	Examination of the Canadian Clearing System
University of Western Ontario	S. B. Gupta	Labour in the theory of Capital
University of Western Ontario	T. R. Robinson	Budgeting for full employment in Canada
University of Western Ontario	W. D. Walsh	The diffusion of Technological change in the Pennsylvania Pig Iron Industry 1850-1870
University of Western Ontario	D. Westgate	The concept of Amour-Propre in XVIIIth Century France
University of Western Ontario	J. Margolis	The Mind-Body Problem
University of Western Ontario	R. N. Bronaugh	Ability and Responsibility
University of Western Ontario	D. J. Hockney	Semantical Problems

<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
University of Western Ontario	E. Sosa	The Logic of Morals
University of Western Ontario	S. G. French	The philosophy of John Wisdom
University of Western Ontario	R. Binkley	Applications of Modal Logic in ethical theory and philosophy of mind
University of Western Ontario	H. J. Johnson	The logic of politics and the politics of Logic in Hobbes
University of Western Ontario	M. E. Williams	19th Century German Philosophy
University of Western Ontario	E. Beaman	Descriptive metaphysics and the Mind-Body Problem
University of Western Ontario	F. R. Atance	Marguerite de Navarre
University of Western Ontario	D. I. Pool	Demographic history of the Maoris 1769-1961
University of Western Ontario	K. H. Burley	Canadian Economic development 1867-1939 - Collection of Source Readings
University of Western Ontario	C. E. Beigie	A study of the World Auto Industry
University of Western Ontario	J. R. Melvin	Intermediate goods in International trade
University of Western Ontario	A. H. Q. M. Merkies	General View Fiscal Policy
University of Western Ontario	S. G. Peitchinis	Professional Manpower in Canada
University of Western Ontario	F. Roseman	A study of Merger Activity in Canada

<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
University of Western Ontario	W. E. Vickery	The economics of the American Negro migration
University of Western Ontario	B. W. Wilkinson	The feasibility of Buying back our resources and industry
University of Western Ontario	A. Anastasopolous	A production model with uncertainty
University of Western Ontario	G. M. Youssef	The demand for reserves - A time series analysis
University of Western Ontario	M. Galatin	Theory of Wage determination
University of Western Ontario	J. M. Kuist	A survey and historical analysis of the Gentleman's Magazine
University of Western Ontario	L. J. Morrissey	An edition of Fielding's Tom Thumb The Tragedy of tragedies for Oliver & Boyd
University of Western Ontario	G. D. Parker	An edition of John Hane's Douglas (contracted for by Oliver and Boyd, Edinburgh) and research for an edition of the tragedies of James Thomson
University of Western Ontario	L. M. Heller	The role of stoicism in Pascal's Pensees
University of Western Ontario	J. P. McLaughlin	The annexation policy of revolutionary France between 1789-1793
University of Western Ontario	J. C. Ogelsby	Canada in Latin America 1867 to the present
University of Western Ontario	J. M. Kuist	Cursory observations of the poems attributed to Thomas Rowley, a Priest of 15th Century

<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
University of Western Ontario	R. A. Hohner	Prohibition in Virginia
University of Western Ontario	A. M. J. Hyatt	Sir Arthur Currie
University of Western Ontario	H. M. Simpson	Personality characteristics and word association
University of Western Ontario	V. Hoar	Mackenzie-Papineau Battalion and the Spanish Civil War
University of Western Ontario	A. Paivio	Meditation processes in verbal learning and behaviour
University of Western Ontario	H. Lobb	Some determinants of Partial Reward and Discriminating effects
University of Western Ontario	C. F. Klinck	Norton Journal
University of Western Ontario	R. N. Shervill	General Research
University of Western Ontario	A. Bolgan	The Waste Land
University of Western Ontario	D. Hensley	Wordsworth and the English Elegiac Tradition
University of Western Ontario	F. H. Armstrong	Upper Canada Gazette
University of Western Ontario	Neil C. Hultin	Middle English Anthology
University of Western Ontario	W. R. Wightman	An Historical Geography of Southwestern Ontario 1790-1960
University of Western Ontario	W. E. Reitz	Word Association as a Personality Assessment technique

<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
University of Western Ontario	G. Rans	James Fenimore Cooper
University of Western Ontario	R. C. Overton	The Burlington Comes to Iowa History of the Colorado and Southern Fort Worth and Denver Railways
University of Western Ontario	C. F. J. Whebell	To Map Bibliography Project to Norfolk Sand Plain Project - (Cultural Geography)
University of Western Ontario	R. C. Gardner	Analysis of Language Behaviour
University of Western Ontario	Charles Rudd	The Imperial Bureaucracy under Alexander II
University of Western Ontario	D. N. Jackson	Studies in the Analysis and Interpretation of Social Perception and Personality Measures
University of Western Ontario	H. McPherson	Essays on Contemporary Canadian Fiction
University of Western Ontario	D. A. Chambers	The Nursing Profession: A Comparison between the attitudes held in India and Canada
University of Western Ontario	Morton Rieber	Response amplitude as a measure of motivational level in children
University of Western Ontario	David R. Pederson	Children's differential conditioning performance as a function of the reward percentages to the two discriminanda



<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
University of Western Ontario	Thomas F. Siess	Personality correlates of occupational behaviour
University of Western Ontario	D. G. G. Kerr	Ontario: A Visual History Canadian Federal Elections since 1867
University of Western Ontario	W. S. Bush	The Twayne European Authors Series on Bernanos
University of Western Ontario	W. B. Hamilton	Prohibition and Canadian-American Relations
University of Western Ontario	R. M. Knights	The effect of cerebral lesions on the psychological test performance in children
University of Western Ontario	L. Forsyth	La Renaissance italienne
University of Western Ontario	A. M. Marti	El Amor an la obra de Lope de Vega
University of Western Ontario	O. P. Langtvet	Structural changes in the Agricultural Patterns of South Eastern Norway between 1949-1959
University of Western Ontario	J. W. Simmons	Survey of historical materials for London, Ontario
University of Western Ontario	J. Havelka	The nature of the creative processes
University of Western Ontario	F. M. Van Fleet	A study of the effects of varying antecedent conditions on operant behaviour in the Albino Rat

<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
University of Western Ontario	A. K. Philbrick	Geographical Research
University of Western Ontario	A. D. Edgar	Experimental Petrology
University of Western Ontario	R. H. Cole	Differential Equations
University of Western Ontario	T. R. R. Bourns	Collection of Miracidia
University of Western Ontario	D. M. Scott	Reproductive cycle of Female Cowbirds Population dynamics of the Cardinal
University of Western Ontario	D. Gray	Determination of Radii of Visual Binaries
University of Western Ontario	J. Moorhead	Spectroscopy and photometry of late type variable stars
University of Western Ontario	F. S. Cook	A study of Pollen Physiology and Biochemistry
University of Western Ontario	D. A. McLarty	Field testing of algicide application procedures
University of Western Ontario	R. B. Van Huystee	Radiation effects on nucleic acid metabolism in plants
University of Western Ontario	H. W. Baldwin	A study of the rate of exchange of water with the Halopentaquochromium (III) Cations
University of Western Ontario	A. Dreimanis	Evidences of Alpine Glaciation (cirques, etc.) in the Adirondacks

<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
University of Western Ontario	L. Mansinha	Strain release due to dislocation in circular plate
University of Western Ontario	L. K. Chan	Linear estimation of the parameters of the normal distribution from censored samples
University of Western Ontario	J. A. Fulford	Locate and track radio disturbances in the solar atmosphere
University of Western Ontario	W. J. Richards	A study of irregular diffraction using ultrasonic sound waves
University of Western Ontario	W. N. Holsworth	Social behaviour and population control of mammals. Behaviour and population dynamics of the grey quirrel
University of Western Ontario	J. Purko	Effect of some alkylating agents on early development and possible mechanism of action (using Brown trout eggs)
University of Western Ontario	J. E. Steele	Monitoring of C1402 on the control metabolic pathways by hormones
University of Western Ontario	P. W. M. Jacobs	Helium purchases for 1966-67

## MUSEUMS

Province of Ontario Department of Tourism and Information	W. Jury	Ste-Marie I Project
Province of Ontario Department of Tourism and Information	W. Jury	Penetanguishene Project

<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
Province of Ontario Department of Tourism and Information	V. T. Mould	Ste-Marie I Interpretative Museum

#### SCHOOL OF BUSINESS ADMINISTRATION

Bell Telephone Co. of Canada	W. A. Thompson	Business Research
Bell Telephone Co. of Canada	J. J. Wettlaufer	
Ontario Economic Council	J. R. Nininger	Training of the Unemployed in Ontario
The Ford Foundation	J. J. Wettlaufer	Business Research
Sundry Donors	J. J. Wettlaufer	Business Research
U. W. Steel Production	J. J. Wettlaufer	Business Research

#### SCHOOL OF NURSING

Frances Cumming King	R. C. Aiken	School of Nursing Research Fund
School of Nursing Council	R. C. Aiken	School of Nursing Research Fund

#### FACULTY OF ENGINEERING SCIENCE

Atomic Energy of Canada Ltd.	E. S. Nowak	To check the enthalpy change of heavy water between the temperatures of 480° and 560°F
Atomic Energy of Canada Ltd.	C. Roy	The relationship between built-up stresses and the breakdown process in oxide films on zirconium alloys

<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
Atomic Energy of Canada Ltd.	G. A. Geach	An investigation of the development of alloys of U <sub>3</sub> Si with a fine and uniform dispersion by another phase
American Electric Power Service Corporation	A. G. Davenport	Model investigation of the static and dynamic behaviour of an hyper- bolic cooling tower in a turbulent boundary layer flow
H. G. Acres & Co.	R. M. Quigley	Soil Mineralogy
J. P. Bickell Foundation	R. M. Dillon	Engineering Education
J. P. Bickell Foundation	R. M. Dillon	Special equipment grant
British American Oil Co.	J. E. Zajic	Oil olgal toxins in re- finery effluent waste
International Nickel Co. of Canada Ltd.	G. A. Geach	For the purchase of Laboratory equipment
Dow Chemical of Canada Ltd.	M. M. Young	Fellowship - K. W. Chann
University of Western Ontario	E. S. Nowak	Engineering Research
University of Western Ontario	M. P. Poucher	Circular concrete pipe reinforced with deformed welded wire fabric
University of Western Ontario	J. W. Stewart	Atmospheric diffusion proximal to ground applied to crop-dusting and forest-spraying from aircraft
University of Western Ontario	G. F. Chess	Bio-Medical Telemetry

<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
University of Western Ontario	I. I. Inculet	Dispersion and coalescence of fog droplets by means of electrostatic charging
University of Western Ontario	J. M. Beeckmans	Floc structure in coagulating sols
University of Western Ontario	N. J. Gardner	Investigation into the behaviour of castellated beams under uniform distributed loads
University of Western Ontario	R. K. Swartman	Investigation of television in engineering teaching at U. W. O.
University of Western Ontario	J. E. K. Foreman	Investigation of stress concentration and notch sensitivity in alloys
University of Western Ontario	B. J. Vickery	The influence of turbulence on vortex shedding
University of Western Ontario	J. S. Sheasby	An investigation of the relationship between the density and the degree of non-stoichiometry of niobium pentoxide
University of Western Ontario	K. A. Shelstad	Catalytic ammoxidation of hydro-carbons
University of Western Ontario	R. M. Dillon	For the purchase of equipment
National Research Council	E. S. Nowak	Special grant for equipment
National Research Council	A. G. Davenport	Special grant for equipment
National Research Council	E. S. Nowak	Special grant for equipment

<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
Medical Research Council	J. E. K. Foreman	Special grant for equipment
National Research Council	C. Roy	Special grant for equipment
National Research Council	A. G. Davenport	Special grant for equipment
National Research Council	G. A. Geach	Postdoctoral Fellowship - I. J. Duerden
Dept. of Mines & Technical Surveys	W. Bulani	Research in mineral processing
H. Q. Golder & Associates	R. M. Quigley	Clay mineralogy soils from three slope failures in British Columbia
Geocon Ltd.	R. M. Quigley	Soil Mineralogy
Ontario Dept. of Health	I. I. Inculet	Air Pollution control
National Health Grant	W. Bulani	Chemical reactor and separator design studies for the reduction of atmospheric pollution
National Health Grant	K. A. Shelstad	Catalysis in air pollution
National Health Grant	J. M. Buckmans	Sonic disposition of smoke and dusts on filters
Department of Highways	R. M. Quigley	Soil mineralogy and physico-chemistry C. N. P. bridge at Tyee, B. C.
Estate of the Late Edna E. Jeffery	R. M. Dillon	Engineering Science Research
National Research Council	A. G. Davenport	Wind tunnel model and full scale studies on the aeroelastic and aerodynamic behaviour of structural shapes in isotropic and boundary layer turbulence

<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
National Research Council	L. S. Lauchland	Multi-input control device
National Research Council	W. Bulani	Study of the electro-chemical effects on chemical and physical rate processes
National Research Council	L. G. Soderman	Compressibility and shear strength characteristics of Tilbury clay
National Research Council	E. S. Nowak	Experimental investigation on the thermophysical properties of heavy water
National Research Council	R. M. Quigley	Influence of clay mineralogy, fabric and structural anisotropy on the engineering properties of Canadian clay deposits
National Research Council	M. M. Young	Interfacial and rheological phenomena in disperse systems
National Research Council	J. E. K. Foreman	Fluid dynamic model studies of blood flow and artery dilatation
National Research Council	K. A. Shalstad	Studies in contact catalytic and related phenomena
National Research Council	N. J. Gardner	Use of concrete filled steel tubes as columns
National Research Council	I. I. Inculet	Static electricity within idealized aggregates of solids
National Research Council	R. K. Swartman	Solar energy for absorption refrigeration
National Research Council	G. S. Emmerson	Leidenfrost phenomena



<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
National Research Council	G. A. Geach	Studies of the creep and plastic deformation of alloys
National Research Council	A. J. Hartmann	Flexural-torsional buckling of planar structures
National Research Council	W. H. Peacock	Undrained strength of sands under cyclic loading simple shear conditions
National Research Council	C. Roy	Dislocations and the strength of bi-crystals of calcium fluoride
National Research Council	P. Zaloudik	Study of the residence times of fluid in continuously stirred tank reactors
National Research Council	H. W. Lord	An experimental investigation concerning the heat transport equation as applied in thermoelasticity
National Research Council	B. J. Vickery	Experimental and theoretical studies of the force and pressure fluctuations on elementary building shapes in turbulent flow
National Research Council	J. M. Beeckmans	Floc densities in coagulating soils
National Research Council	J. D. Brown	Vacuum Deposited Thin Film
National Research Council	J. S. Sheasby	Metallographic examination of the high temperature oxidation of tantalum
National Research Council	J. E. Zajic	Aeration studies on waste waters

<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
Medical Research Council	J. E. K. Foreman	Fluid dynamic model studies of blood flow and artery dilatation
Anonymous	R. M. Dillon	Research in Engineering Science
John Labatt Ltd.	R. M. Dillon	Research in Engineering Science
Dept. of University Affairs	M. M. Young	Drop and bubble phenomena
Dept. of University Affairs	K. A. Shelstad	Infra-red spectroscopy of molecules adsorbed on catalytic surfaces
National Aeronautics & Space Administration	A. G. Davenport	Investigation of ground wind loads on space vehicles
Seattle First National Bank	A. G. Davenport	Wind Tunnel investigation of the aerodynamic and aeroelastic behaviour of 50 story building
United States Steel Fdn.	G. A. Geach	Research in Engineering Science
U. S. Steel Office Bldg. Contract	A. G. Davenport	Wind Tunnel Research
U. S. Steel Bldg. Contract	A. G. Davenport	Wind tunnel study of heliport configuration for the U. S. Steel Building, Pittsburgh, Pa.
Department of Transport	A. G. Davenport	Comparison of boundary layer turbulence properties
University of Waterloo	A. G. Davenport	Wind Tunnel research
Niels Franck	A. G. Davenport	Wind tunnel studies

## MISCELLANEOUS

<u>Name of Grantor</u>	<u>Grantee</u>	<u>Description of Project</u>
Allied Chemical Corporation	E. Y. Spencer	The action of vinyl phosphorthionates in selected toxicity
Northern Trust Agency	L. Neal	Counselling for residence staff
National Research Council	G. E. Hall	Scientific Research Special
Canadian Council on Urban & Regional Research	G. M. Adler	Policies and procedures of the Ontario Municipal Board
Althouse College Research	D. G. Simpson	The migration of Canadian Negroes to the United States after the Civil War

## FACULTY OF DENTISTRY

National Research Council	W. J. Dunn	Summer Undergraduate Research Assistantships
---------------------------	------------	--

APPENDIX D

REGISTRATION

## REGISTRATION - WHOLE UNIVERSITY - 1966-67

	FULL-TIME		PART-TIME		TOTAL		
	Men	Women	Men	Women	Men	Women	
<u>FACULTY OF ARTS &amp; SCIENCE</u>							
College of Science - General	691	147	10	6	701	153	
- Honors	300	56	6	3	306	59	1219
Middlesex College - General	539	499	8	12	547	511	
- Honors	170	137	-	3	170	140	1368
Talbot College - General	276	175	-	-	276	175	
- Honors	-	-	1	-	1	-	452
University College - General	559	664	14	30	573	694	
- Honors	188	136	6	11	194	147	1608
College of Music - General	1	13	1	1	2	14	
- Honors	49	59	-	-	49	59	124
	<u>2773</u>	<u>1886</u>	<u>46</u>	<u>66</u>	<u>2819</u>	<u>1952</u>	<u>4771</u>
Correspondence			102	98	102	98	
Extension			759	609	759	609	
Summer School			1684	879	1684	879	
			<u>2545</u>	<u>1586</u>	<u>2545</u>	<u>1586</u>	4131
Duplicates			26	24	26	24	50
			<u>2519</u>	<u>1562</u>	<u>2519</u>	<u>1562</u>	<u>4081</u>
<u>AFFILIATED COLLEGES</u>							
Huron College	299	186	9	1	308	187	495
Brescia College	-	270	-	26	-	296	296
King's College	259	-	10	5	269	5	274
	<u>558</u>	<u>456</u>	<u>19</u>	<u>32</u>	<u>577</u>	<u>488</u>	<u>1065</u>
TOTALS	<u>3331</u>	<u>2342</u>	<u>2584</u>	<u>1660</u>	<u>5915</u>	<u>4002</u>	<u>9917</u>
<u>OTHER FACULTIES AND SCHOOLS</u> (Undergraduate)							
School of Business Administration	146	6	-	-	146	6	152
Faculty of Dentistry	7	1	-	-	7	1	8
Faculty of Engineering Science	290	4	-	-	290	4	294
Faculty of Law	188	3	-	-	188	3	191
Faculty of Medicine	224	40	-	-	224	40	264
School of Nursing	4	243	-	2	4	245	249
	<u>859</u>	<u>297</u>	<u>-</u>	<u>2</u>	<u>859</u>	<u>299</u>	<u>1158</u>
UNDERGRADUATE TOTALS	<u>4190</u>	<u>2639</u>	<u>2584</u>	<u>1662</u>	<u>6774</u>	<u>4301</u>	<u>11075</u>
<u>ALTHOUSE COLLEGE OF EDUCATION</u>	159	124	1	3	160	127	<u>287</u>
<u>FACULTY OF GRADUATE STUDIES</u>							
Humanities and Social Sciences	244	48	40	38	284	86	370
Natural Sciences	223	26	11	1	234	27	261
Business Administration	294	-	-	1	294	1	295
Engineering	27	1	7	-	34	1	35
Medicine	58	21	2	2	60	23	83
Nursing	-	14	-	1	-	15	15
Library	-	1	3	7	3	8	11
	<u>846</u>	<u>111</u>	<u>63</u>	<u>50</u>	<u>909</u>	<u>161</u>	<u>1070</u>
UNIVERSITY REGISTRATIONS	<u>5195</u>	<u>2874</u>	<u>2648</u>	<u>1715</u>	<u>7843</u>	<u>4589</u>	<u>12432</u>
Proportion of Men to women:	1966-67	63.08%	36.92%				
	1965-66	63.8%	36.2%				
	1964-65	65.3%	34.7%				
	1963-64	65.16%	34.84%				
	1962-63	66.52%	33.48%				
	1961-62	67.26%	32.74%				
	1960-61	68.09%	31.91%				

Overall net increase is 11.1%. (College of Science is up 11%; College of Music is up 10.8%; University College, Middlesex College and Talbot College together up 11.8%; Affiliates up 10.1%.)

ONTARIO SCHOLARSHIPS - 1966

The following is a list of students who have been awarded a scholarship of \$200.00 by the Ontario Government for studying an average of at least 20% or eight credits 12 units (including English).

Name of Student	Home Address	College	Programme
Alford, Susan E.	London	UC	Humanities
Allen, Jane A.	London	UC	Humanities
Anderson, Mary E.	St. Catharines	SC	Humanities
April, Jane L.	London	UC	Sci. Sc.
Armstrong, Paul Wm.	Windsor	CS	Sci. Sc.
Ashton, Thomas C.	London	CS	Sci. Sc.
Balch, David B.	London	UC	Sci. Sc.
Barnes, David L.	London	UC	Sci. Sc.
Bell, Robert Dennis	London	CS	Sci. Sc.
Bennett, Brian George	London	UC	Humanities
Benton, Andrew May	Windsor	UC	Humanities
Bowdler, Susan Jane	London	UC	Humanities
Carson, Richard Frank	London	E	Sci. Sc.
Chisholm, John Owen	London	CS	Sci. Sc.
Cole, Alan Stuart	London	CS	Sci. Sc.
Cook, Shirley Jean	Windsor	UC	Sci. Sc.
Crofton, Murray B.	London	SC	Sci. Sc.
Dale, Catherine L.	Timothy	CS	Sci. Sc.
Dalrymple, Susan J.	London	UC	Humanities
Darlington, John Wm.	London	UC	Sci. Sc.
Dawson, John A. John	London	CS	Sci. Sc.
Day, Victoria Katherine	London	UC	Humanities
Deane, Susan, Yvonne	London	UC	Humanities
Deane, Catherine L.	London	UC	Humanities
Deane, Susan Malcolm	London	UC	Humanities
Dickson, Susan Elizabeth	London	UC	Humanities
Dixon, Robert J.	Sturford	UC	Humanities
Dunn, Margaret L.	Sturford	UC	Sci. Sc.
Dyer, Elizabeth May	London	CS	Sci. Sc.
Egan, William B.	Windsor	CS	Sci. Sc.
Evans, Jane Ann	London	CS	Music

APPENDIX E

ONTARIO SCHOLARSHIPS - 1966

## ONTARIO SCHOLARSHIPS - 1966

The following is a list of students who have been awarded a scholarship of \$400.00 by the Ontario Government for attaining an average of at least 80% on eight Grade 13 Units (including English).

<u>Name of Student</u>	<u>Home Address</u>	<u>College</u>	<u>Programme</u>
Ainsworth, Shayne E.	London	UC	Humanities
Anderson, Gaye B.	London	MC	Humanities
Andrews, Mary E.	St. Catharines	BR	Humanities
Antill, Mary E.	London	MC	Soc. Sc.
Armour, Paul Wm.	Waterloo	CS	Nat. Sc.
Ashdown, Thomas E.	London	CS	Nat. Sc.
Babcock, Daryl B.	London	MC	Soc. Sc.
Bahnmler, David L.	Stratford	UC	Pre-Bus.
Baletto, Nuccia Emilia	London	UC	Humanities
Bain, Robert George	Petrolia	CS	Nat. Sc.
Baynham, Bryan George	Exeter	HC	Humanities
Beattie, Heather May	Willowdale	TC	Humanities
Beauchamp, Glenna Viola	Sarnia	MC	Humanities
Beecham, Richard Frank	London	E	Eng. Sc.
Beihl, Hans Otto	London	CS	Nat. Sc.
Berg, Allen Stephen	London	CS	Nat. Sc.
Bezan, Dorothy Joan	Kapuskasing	MC	Soc. Sc.
Biderman, Michael B.	London	CS	Nat. Sc.
Blair, Catherine L.	Timmins	CS	Nat. Sc.
Bodner, Suzanne J.	London	TC	Humanities
Boekhoud, John Wm.	Chatham	CS	Nat. Sc.
Bojars, Juris Antons	London	CS	Nat. Sc.
Boyd, Victoria Katherine	London	MC	Humanities
Boyle, Marian Jeannette	London	TC	Humanities
Bradshaw, Catherine L.	London	TC	Humanities
Brown, James Malcolm	London	UC	Humanities
Budge, Donna Elizabeth	Islington	UC	Humanities
Burdett, Catherine J.	Stratford	TC	Humanities
Burgess, Margaret J.	Stratford	TC	Soc. Sc.
Butler, Elizabeth May	Croton	CS	Nat. Sc.
Butt, William D.	Woodstock	CS	Nat. Sc.
Cairns, Janet Ann	London	CM	Music

<u>Name of Student</u>	<u>Home Address</u>	<u>College</u>	<u>Program</u>
Cameron, Gordon Peter	London	CS	Nat. Sc.
Cameron, Nancy Ellen	Thamesville	UC	Humanities
Cameron, Ross Graeme	London	CS	Nat. Sc.
Carrick, Donald Alex.	London	HC	Pre-Bus.
Casimir, Stephen Philip	London	CS	Nat. Sc.
Coghill, Judith Ann	Kitchener	MC	Humanities
Cole, Virginia J.	Arva	CS	Nat. Sc.
Colter, Ann Elizabeth	London	CS	Soc. Sc.
Columbus, Maureen T.M.	Iroquois Falls	CS	Nat. Sc.
Cook, Linda Louise	Chatham	TC	Humanities
Cooper, Melody Anne	Pickering	TC	Humanities
Creedon, Joan Isabel	Kenora	TC	Humanities
Crinklaw, Linda Diana	London	MC	Soc. Sc.
Crossey, Helen Ann E.	Galt	TC	Humanities
Cruickshank, David A.	Galt	UC	Humanities
Day, Stephen Charles	Toronto	UC	Pre-Bus.
Devitt, Neil Gordon	Ottawa	CS	Nat. Sc.
Duchalski, Richard C.	Woodstock	CS	Nat. Sc.
Duncan, Linda Ann	Preston	UC	Humanities
Dunkerley, Robert K.	Stoney Creek	CS	Nat. Sc.
Dutton, Carolyn Penny	London	MC	Soc. Sc.
Emmett, Brian Arthur	Sarnia	TC	Soc. Sc.
Faulkner, David Wm.	Goderich	CS	Nat. Sc.
Ferris, Jacqueline L.	London	MC	Soc. Sc.
Field, Donna Louise	Forest	TC	Humanities
Fisher, Elizabeth A.	Scarborough	CS	Nat. Sc.
Fitzgerald, John M.	London	UC	Soc. Sc.
Forbes, Louise Marie	London	MC	Soc. Sc.
Fowler, Linda Dianne	London	MC	Humanities
Fraser, Robert Blair	Sarnia	CS	Nat. Sc.
French, Colleen D.	Ottawa	MC	Soc. Sc.
Gee, Linda Dale	Cedar Springs	UC	Humanities
Gentleman, Connie R.	Oil Springs	UC	Home Econ.
Gietz, Margaret S.	Stoney Creek	UC	Humanities
Goldie, Linda Lee	St. Marys	MC	Soc. Sc.
Gorman, Lillian D.	Tillsonburg	CS	Nat. Sc.
Graham, John Freele	Grand Bend	MC	Soc. Sc.
Grant, Richard Frank	Toronto	MC	Humanities
Guindon, Bert	Cornwall	CS	Nat. Sc.
Hancock, Margaret Anne	Fort William	CS	Nat. Sc.
Hansen, Elizabeth J.	Georgetown	UC	Humanities
Harris, Anne Frances	Oakville	MC	Humanities
Harris, Glenn	Islington	CS	Nat. Sc.
Harrison, Denis Hedley	Harrow	CS	Nat. Sc.
Hartwick, Karl Robert	Fisherville	CS	Nat. Sc.



<u>Name of Student</u>	<u>Home Address</u>	<u>College</u>	<u>Programme</u>
Hawken, Penelope Lee	South Porcupine	MC	Humanities
Hay, Marsha Leigh	London	MC	Soc. Sc.
Hedges, Philip Wayne	St. Thomas	MC	Nat. Sc.
Hellens, Ralph G. B.	Elliot Lake	CS	Nat. Sc.
Henry, Mary Elaine	London	BR	Humanities
Hessenaur, Brenda F.	Preston	UC	Humanities
Heyking, Marianne K. L.	Bamberg	N	Nursing
Hibbert, Ronald L.	CFB Clinton	MC	Soc. Sc.
Hick, Nina Lynn	Port Arthur	UC	Humanities
Hoffman, Sheila M.	Burlington	MC	Soc. Sc.
Hopp, Marilyn H.	Toronto	CS	Nat. Sc.
Howard, Janet E.	Leamington	MC	Soc. Sc.
Hudson, Susan Margaret	Port Credit	TC	Pre-Bus.
Hunt, Patricia M.	Palmerston	MC	Soc. Sc.
James, Marilyn L.	London	HC	Humanities
Johnston, Linda Ann	Long Sault	CS	Nat. Sc.
Jones, Robert A. B.	Tillsonburg	CS	Nat. Sc.
Jull, Murray Richard	Norwich	TC	Humanities
Kadrie, Hytham Ali	London	CS	Nat. Sc.
Kelly, Barbara Jean	Tillsonburg	TC	Humanities
Kestle, Janice Lee	Kitchener	CS	Nat. Sc.
Kirkpatrick, William W.	London	TC	Soc. Sc.
Kiteley, Michael P.	London	CS	Nat. Sc.
Kniffen, Janet Hazel	Windsor	N	Nursing
Knight, James William	Preston	HC	Humanities
Lacy, Richard Allan	Windsor	CS	Nat. Sc.
Large, Leslie Ian	Stratford	HC	Pre-Bus.
Latham, Brian Gilbert	Sault Ste. Marie	CS	Nat. Sc.
Latta, Diane Marilyn	London	TC	Soc. Sc.
Lawrence, Wendy Carol	London	TC	Humanities
Lazarus, Linda Anne	London	BR	Humanities
Leavens, Benjamin R.	Islington	E	Eng. Sc.
LeConte, Brian Keith	Brigden	MC	Humanities
Lewis, Ellen Louise	Welland	UC	Secr. Sc.
Logan, Maureen E.	Sarnia	MC	Humanities
Lumley, Mary E.	Hamilton	TC	Humanities
Lyons, Ronald Wm.	London	CS	Nat. Sc.
McAlpine, Deborah E.	London	TC	Humanities
McCall, Brian Stephen	London	MC	Soc. Sc.
MacDonald, Elizabeth A.	St. Catharines	CS	Nat. Sc.
MacDonald, JoAnn	St. Catharines	BR	Home Econ.
MacDonald, Judy Anne	Oshawa	UC	Humanities
MacDonell, Ann-Marie	Sudbury	BR	Humanities
McDowell, Beverley J.	Glen Meyer	MC	Soc. Sc.

<u>Name of Student</u>	<u>Home Address</u>	<u>College</u>	<u>Programme</u>
McIntyre, Dan Charles	Highgate	CS	Nat. Sc.
McKee, Marnie E.	Burlington	MC	Soc. Sc.
McKellar, Kenneth S.	Kintore	CS	Nat. Sc.
MacLean, David A.	Ottawa	E	Engin. Sc.
McLean, Linda Ruth	Brantford	MC	Humanities
McLean, Judith Ellen	Oshawa	UC	Humanities
McLeod, Ian Douglas	Windsor	CS	Nat. Sc.
Marchuk, John Blair	London	CS	Nat. Sc.
Marsden, Robert Jay	London	CS	Nat. Sc.
Matheson, Douglas A.	London	CS	Nat. Sc.
Matthews, David Edward	London	CS	Nat. Sc.
May, Marcella Jane	London	UC	Humanities
Mayberry, Thomas R.	London	CS	Nat. Sc.
Merriman, Marion Kate	Toronto	HC	Humanities
Metford, John	Hyde Park	MC	Humanities
Miller, Pamela Jane	Oshawa	MC	Humanities
Minshall, Donna Rosalyn	Brantford	MC	Humanities
Moore, James William	Windsor	CS	Nat. Sc.
Murphy, Shawne E.	Oshawa	MC	Humanities
Nantais, Dianne Eileen	Windsor	TC	Humanities
Nerenberg, David Jacob	Toronto	CS	Nat. Sc.
Oliver, Catherine L.	Petrolia	MC	Nat. Sc.
Page, Janis Eileen	Brockville	BR	Home Econ.
Palovcik, Anne Mary	Tupperville	BR	Secr. Sc.
Patterson, James C.	Owen Sound	CS	Nat. Sc.
Pope, Mary Margaret	London	MC	Soc. Sc.
Procunier, Kathleen Joy	Eden	CS	Nat. Sc.
Pynn, David John	London	CS	Nat. Sc.
Rankin, Norman Scott	Brantford	MC	Soc. Sc.
Reeb, Isabelle M.	London	CS	Nat. Sc.
Renaud, Rachelle	London	BR	Humanities
Riley, David	Oshawa	CS	Nat. Sc.
Ritchie, Margo Anne	London	BR	Humanities
Ross, Daniel Robert	St. Thomas	CS	Nat. Sc.
Russell, Patricia Anne	Charing Cross	MC	Humanities
St. Pierre, Catherine M.	Essex	MC	Humanities
Salter, Robert Steven	Stratford	E.	Eng. Sc.
Samuel, Margaret Ann	Whitby	TC	Soc. Sc.
Sherwin, Richard D.	London	CS	Nat. Sc.
Smiley, Alison M.	Downsview	CS	Nat. Sc.
Smith, Edith Anne	London	CS	Soc. Sc.
Smith, Jane Elizabeth	Clarkson	UC	Humanities
Smith, Karen Jean	Woodstock	CS	Nat. Sc.
Smith, Peter Gerald	Woodstock	UC	Humanities
Snyder, Ross Brian	London	TC	Humanities

<u>Name of Student</u>	<u>Home Address</u>	<u>College</u>	<u>Programme</u>
Southerst, Leslie Louise	London	HC	Humanities
Speers, Linda Margaret	Whitby	TC	Soc. Sc.
Stalker, Carol Anne	West Lorne	MC	Soc. Sc.
Strachan, Claudia Joy	Scarborough	TC	Humanities
Stuart, Lois Marilyn	London	MC	Humanities
Sutton, Shirley Ann	Dresden	UC	Soc. Sc.
Szego, William Allan	Lindsay	HC	Pre-Bus.
Tansley, Joan Evelyn	Kenora	CS	Nat. Sc.
Taylor, John Charles	Sarnia	CS	Nat. Sc.
Thompson, Wendy Lynne	London	UC	Humanities
Thorn, Jeremy Michael	Strathroy	TC	Pre-Bus.
Tindale, Barbara Ann	Hamilton	MC	Humanities
Treloar, Nancy Karen	Trenton	TC	Humanities
Tucker, Ernest Gordon	London	TC	Humanities
Turner, Timothy John	London	CS	Nat. Sc.
Valasis, Despina Stella	London	MC	Soc. Sc.
Van Daele, Erna Bertha E.	London	CM	Music
Van Vaerenberg, Nina A.	Delhi	MC	Humanities
Wagg, Donna Ruth	Toronto	MC	Soc. Sc.
Waters, Paul Richard	Brantford	CS	Nat. Sc.
Watt, Sheila Evelyn	Schumacher	CS	Nat. Sc.
Waugh, Thomas Henry R.	Guelph	TC	Humanities
Werstine, Edward Paul	Galt	KC	Humanities
Whelan, Daniel R.	St. Catherines	KC	Soc. Sc.
White, Elizabeth Anne	Thornbury	UC	Humanities
White, Catherine Joan	London	TC	Humanities
Wilton, Welwyn Leigh	London	CS	Nat. Sc.
White, Gregory Richard	London	TC	Soc. Sc.
Witherspoon, Sandra E.	London	CS	Nat. Sc.
Wonnacott, Alma Muriel	London	TC	Soc. Sc.
Wood, Susan Margaret	Oakville	TC	Humanities
Zankowski, Barbara C.	Cromarty	UC	Humanities
Zurbrigg, Sheila Hope	London	CS	Nat. Sc.

SUMMARY

	<u>1966</u>	<u>1965</u>
Brescia College	9	-
King's College	2	-
Huron College	8	6
College of Music	2	2
Faculty of Engineering Science	4	3
School of Nursing	2	-
College of Science	67	41
Middlesex College	45	35
Talbot College	34	-
University College	<u>26</u>	<u>34</u>
	199	121
Ratio: Men	82	44
Women	117	77

THE DEANS' HONOURS LIST, JUNE 1967

The following full-time students completed their first year of study during the year in which they were awarded a First degree in each Faculty.

A list of the names of the students is given below.

THE FACULTY OF ARTS AND SCIENCE

Science

Chemistry

APPENDIX F

THE DEANS' HONOURS LIST, JUNE 1967

Boyd, Donald	Boyd, Donald
Boyd, Margaret	Boyd, Margaret
Harvey, Robert Charles, B.Sc.	Harvey, Robert Charles, B.Sc.
Horsfield, Clive John, B.Sc.	Horsfield, Clive John, B.Sc.
Harrison, John William, B.Sc.	Harrison, John William, B.Sc.

Physics

Burton, John George, B.Sc.	Burton, John George, B.Sc.
Cook, Donald Alexander, B.Sc.	Cook, Donald Alexander, B.Sc.
Hughes, James William, B.Sc.	Hughes, James William, B.Sc.
Macdonald, Martin Alan, B.Sc.	Macdonald, Martin Alan, B.Sc.
Peter, James Cameron, B.Sc.	Peter, James Cameron, B.Sc.
Scott, John Peter, B.Sc.	Scott, John Peter, B.Sc.

Science College

Medicine

Collings, Claire Ann, B.Sc.	Collings, Claire Ann, B.Sc.
Evans, Margaret Susan, B.Sc.	Evans, Margaret Susan, B.Sc.
Evans, Robert W. Laurence, B.Sc.	Evans, Robert W. Laurence, B.Sc.
Hughes, Mary Cecilia Gertrude, B.Sc.	Hughes, Mary Cecilia Gertrude, B.Sc.

## THE DEANS' HONOURS LIST, JUNE 1967

The following full-time students obtained first class honours standing this year on their work toward a first degree in each Faculty.

\* indicates an average of at least 85%.

### THE FACULTY OF ARTS AND SCIENCE

#### Huron College

##### Graduates

Beggs, Donald William, Toronto	Hill, Meredith Ann, Islington
Boulet, Margaret Jessie, Guelph	Hutcheson, Elaine Margaret, London
Harvey, Robert Charles, Kenora	Johnstone, Judith Gail, Weston
Herridge, Eleanor Lynn, Woodstock	Norton, David Jeffrey, London
Herrington, Byron Michael, Kerwood	Thistle, Mary Christine, Stratford

##### Undergraduates

Baynham, Bryan George, Exeter	Scott, Elinor Isabel, London
Carrick, Donald Alexander, London	Shaw, Brian Arthur, St. Thomas
Knight, James William, Preston	Somerville, Murray Gordon, Toronto
Merriman, Marion Kate, Toronto	Southerst, Lesley Louise, London
Potter, Janice Christine, Etobicoke	Szego, William Alan, Lindsay
Roder, Sylvia Beth, Arkona	

#### Brescia College

##### Graduates

Collings, Claire Ann, Elliot Lake	Rogers, Meredith Ann, London
Davey, Stephanie Susan, Sarnia	Speak, Rosemary, Woodstock
Denomy, Sister St. Laurence, Lon.	Taskey, Alexis Ann, Amherstburg
Hendriks, Mary Clasina Gemma, Lon.	

Brescia College (Continued)Undergraduates:

Auchincloss, Susan Elizabeth, Fonthill	Murphy, Mary Lou Wilma, Hastings
Diesbourg, Mary Elizabeth, Lon.	Organ, Sister St. Charles, London
Falzetta, Concetta Connie Marie, Whitefish	Page, Janis Eileen, Brockville
Hardy, Susan Linley, Toronto	Palovcik, Anne Mary, Tupperville
Kelly, Kathleen Therese, Allegany, U. S. A.	Parent, Mary Margaret Anne, London
MacDonald, Jo. Ann, St. Catharines	Quilty, Diane Marie, London
McEvenue, Sheilagh Kathleen, Lon.	Renaud, Sister Rachelle, London
McKinley, Sheila Catherine, Lon.	Strickland, Carol Ann, Toronto
Marchant, Judity Rosemary, Rexdale	Todesco, Agnese Marie, Port Arthur

King's CollegeGraduates

Armstrong, Robert John, Sarnia	Vernooy, William John, Innerskip
Dore, Kevin Regan, Hamilton	Weiler, John Joseph Anthony, Sarnia
Thoms, Gary William, Toronto	

Undergraduates

Arts, John James Joseph, Petrolia	Noel, Leon Paul, Windsor
Belecky, Alfred John, London	Oravec, David George, Burlington
Blackmore, Bryan Joseph, Grand Falls, Nfld.	* Werstine, Edward Paul, Galt
Desrivieres, Dennis Robert, Sarnia	Whelan, Daniel Raymond, St. Catharines
McCarthy, Gary Charles, Burlington	Woolsey, Brian George, Cooksville
Majoor, Brother Andrew, Aylmer	

College of MusicUndergraduates

Cairns, Janet Ann, London	Sauerbrei, Patricia Margaret, Lon.
Ford, Robert James, London	Willis, Stephen Charles, London
Miller, David Kenneth, London	

College of ScienceGraduates

- Argent, Willa Rosemary, Don Mills  
 Auzins, Karen Beatrice, London  
 Charlton, John Steven, Blenheim  
 Cheremeta, Elizabeth Marilyn, Lon.  
 Cooke, Brian George, London  
 Cooper, Kevin Russell, Scarborough  
 Dean, David Michael Moore, Toronto  
 Fedyna, Roman Wolodymyr, Toronto  
 Flanagan, Patrick Francis, Pt.Lambton  
 Girard, Wayne Joseph, Peterborough  
 Gollom, Paul Peter, Toronto  
 Green, Bryan Donald, St. Marys  
 Grisdale, Jacqueline Dorais, Hudson, Q.  
 Hennessy, Donna Doreen, Haileybury  
 Hicks, James Cecil, London  
 Hosner, Karen Marlene, Tillsonburg  
 Jackson, Stuart Michael, London  
 Jarvis, George Albert, London  
 Johnson, John Robert, Glencoe  
 Lafontaine, Dennis Patrick, Timmins  
 Lamperd, David Brian Morris, London  
 \*MacBain, Constance Marilyn, Toronto  
 McCormick, Robin Brian, Etobicoke  
 MacDonald, Celia Ann, London  
 Mahon, John David, Windsor  
 Makosky, Lyle Murray, Windsor  
 Manchester, Donna Margaret, St. Thom.  
 Meaden, Ruth Anne, Leamington  
 Merifield, Arthur Gordon, Willowdale  
 Mickle, Robert Ernest, Hensall  
 Nelles, Constance Ruth Macklem, Lon.  
 Newkirk, Rosemary Lorna, London  
 Parker, Lynda Marjorie, London  
 Puodziukas, Edward Luidas, Toronto  
 Rogers, Maxwell Bryson, Toronto  
 Schmidt, Thomas Anthony, Oakville  
 Shaw, Francis George, Simcoe  
 Shelton, Ian Maitland, St. Marys  
 Sherwood, Carol Susan, Sarnia  
 Smith, Anthony Allison, Dresden  
 Smith, Margaret Diane, Woodstock  
 Steacy, Paul Richard, Waterford  
 Tadman, Ronald Bayley, Toronto  
 Tallman, William Ronald, London  
 Verdun, David Leroy, Waterloo  
 Von Riekhoff, Barbara, London  
 \*Walker, James David Allan, Lambeth  
 Ward, Edward James, Lambeth  
 Wieczorek, Gudrun Ilse, Komoka  
 Willis, Ross Baxter Jr., London  
 \*Zuliani, Preston Alain, Thorold  
 Zwanzig, Herman Volker, London  
 Bauman, Wayne, Elmira  
 Douglas, George Richmond, Willowdale  
 Hayden, Donald Bruce, London  
 Smith, Jean Ballantyne, London

Undergraduates

- Austen, David James, London  
 Beath, Robert Lorne, London  
 Bain, Robert George, Petrolia  
 Beddall, Peter Michael, Sarnia  
 Bojars, Juris Antons, London  
 Bourne, Robert Barry, Elliot Lake  
 Boyd, David Barry, Penetanguishene  
 Bocking, Bruce Douglas, London  
 Bradley, Robert William, London  
 Baryshnik, Sheldon, Sarnia  
 Butler, Paul Christopher, Islington  
 Byrick, Robert John, London  
 Cameron, Ross Graeme, London  
 Carmichael, Gordon Bain, Tillsonburg  
 Carruthers, Danny Evan, Appin  
 Chapman, Dennis Ross, Agincourt  
 Chapman, Mark, Burlington  
 Chapman, Rosemary, London  
 Cobban, Robert Marley, Burgessville  
 Columbus, Maureen Theresa M.  
 Iroquois Falls  
 \*Cutbush, Wesley Shier, Owen Sound



College of Science (Continued)Undergraduates

- \*Devitt, Neil Gordon, Ottawa  
 Driedger, Harry John, Wheatley  
 Dunkerley, Robert Kenneth, St. Creek  
 Dymond, Ronald Roy, London  
 Eberhard, Thomas Samuel Chas., Lon.  
 Engelhardt, Frank Rainer, London  
 Fairbairn, Thomas David, Pt. Arthur  
 Faulkner, David William, Goderich  
 Finnie, Robert Colin, Scarborough  
 Fisher, David Timothy, London  
 \*Fisher, Elizabeth Anne, Scarborough  
 Fitzsimmons, Mary Frances Theresa,  
 Hamilton  
 Fraser, Robert Blair, Sarnia  
 \*Friedman, Nathan, London  
 Gorman, Lillian Dale, Tillsonburg  
 \*Green, Bruce Ronald, St. Marys  
 Guindon, Bert, Township of Cornwall  
 Hambly, Peter Douglas, London  
 Hammerich, Paul, Toronto  
 Hancock, Margaret Anne, Ft. William  
 Hare, James Gordon, Ottawa  
 \*Harper, Kathleen Mary, London  
 Harris, Glenn, Islington  
 Harrison, Denis Hedley, Harrow  
 Hartwick, Karl Robert, Fisherville  
 Heagy, William Kenneth, London  
 Henderson, Susan Elizabeth, London  
 Heyes, Robert Harry, Windsor  
 Higgins, Judith Colleen Marie, Strath.  
 Hoag, Roger Howard, Peterborough  
 Hopp, Marilyn Henderson, Toronto  
 Humphrey, Donald Richard, Hudon, Q.  
 Humphrey, Jean Lillian, Aylmer  
 Irvine, Richard Alexander, St. Marys  
 Johnson, Ian Mayhew, London  
 Johnston, Linda Joan, Wardsville  
 Kadrie, Hytham Ali, London  
 Kemp, David Edwin, Staffa  
 \*Kennedy, Brian Paul, Ingersoll  
 Kestle, Janice Lee, Kitchener  
 Kussner, Detlev Mike, London  
 Latham, Brian Gilbert, S.S. Marie  
 Lavigne, David Martin, London  
 Leach, Alan James, Ottawa  
 Lindsey, Linda Jean, Mono Road  
 Little, Albert Warren, Glencoe  
 Loncke, Daniel Joseph, Delhi  
 Love, Kathryn Ruth Duff, Ed., Alta.  
 Lyons, Ronald William, London  
 McCallum, John Charles, London  
 McDougall, Gordon Rodney, London  
 \*McFarland, Ernest Leslie, London  
 McIntyre, Dan Charles, Highgate  
 MacIver, Donald Carl, London  
 McLeod, Ian Douglas, Windsor  
 Marchuk, Jon Blair, London  
 \*Markham, Larry Derwood, Woodstock  
 Martin, John William, Pt. Stanton  
 Mayberry, Thomas Richard, Ingersoll  
 Michna, Stephen John, Bay Ridges  
 Miller, Grace Alda, Timmins  
 Miller, Robert Taylor, Timmins  
 Milley, Paul Stanley, Brampton  
 Mitchell, David Callin, London  
 Mok, Lawrence Man-Suen, China  
 Moore, James William, Windsor  
 Olde, Nancy Louise, Clinton  
 Overy, John David, Brights Grove  
 Page, Robert John, Leamington  
 Panjer, Harry Henry, Blenheim  
 Pifer, William Richard, Ft. William  
 Plumb, Donald Alvin, London  
 Procunier, Kathleen Joy, Eden  
 Puhacz, Murray Thomas, Princeton  
 Reeb, Isabelle Mary, London  
 Richardson, Mark Abram, S.S. Marie  
 Riley, David, Oshawa  
 Rose, Donald Keith, London  
 Schmidt, Henry Richard, Leamington  
 Schulman, Susan, Willowdale  
 Schulze, Anthony Jack, Toronto  
 Schwartz, Franklin Walter, London  
 Scott, David Thomas, Cromarty

College of Science (Continued)Undergraduates

Sfreddo, Louis Charles, Dryden	Tolman, Jeffrey Hunter, Pt. Stanley
Sherwin, Richard Dawson, London	Turner, Timothy John, London
Slipacoff, Daniel, Sarnia	Vanderkooy, John, Simcoe
Smiley, Alison Margaret, Downsview	Watson, Bruce Brigham, Wardsville
Smith, Ian Michael, Pt. Credit	Weaver, Joseph Kenneth, Dresden
Summers, Carol Elizabeth, London	Webb, Warren Gardiner, Caledonia
Summers, Richard Keith, Granton	White, Hugh Gibson, London
Sun, Charles Young, Willowdale	*Wilton, Welwyn Leigh, London
Taylor, John Charles, Sarnia	Witherspoon, Sandra Ellen, London
Thornton, Daniel Blyth, Montreal, Q.	Wyatt, Judith Lynn, Elmira
Tiegs, Richard George, Kitchener	Zurbrigg, Sheila Hope, London

Middlesex CollegeGraduates

Begg, Ian Maynard, Chatham	Nightingale, Donald Victor, St. Cath.
Brady, Elizabeth Irene, Willowdale	Oatley, Roger Grahame, Oakville
Carsen, Candace Lee, London	Phillips, Gary James, Scarborough
Clouston, John Samuel, London	Quinlan, Raymond Philip, St. Cath.
Craddock, Collin Douglas, Toronto	Reiche, Edwin Guenther Herbert, Lon.
Dynes, Donna Jean, London	Sheldrick, Catherine Louise, London
Ferguson, Donald Sanders, Willowdale	Simpson, Sheila May, Toronto
Fowler, Robert Austin, London	Spearman, Dianne Elizabeth, O. Spr.
Hilborn, June Marie, Thedford	Thiel, Cherry Lynn, Mitchell
Homuth, Bonnie Lorraine, Clinton	Thornton, David Andrew, Scarborough
Johnson, Nicholas Carter, London	Verstraete, Bert Christian, Wallaceb.
Kopman, Lawrence Harold, Toronto	Wachsmuth, Jane Marie, Toronto
Laidlaw, Linda Diane, London	Winkler, Ursula Helga, Windsor
Leidal, Lawrence, Waterford	Wonnacott, Elizabeth Joy, London
McNichol, Linda Mary, Hamilton	Wright, Edward Allan, Islington
Michaeli, Rudolf Willi, London	Zurbrigg, Sherry Elizabeth, Lon.
Mock, Dennis Ronald, London	

Undergraduates

- Allen, Mary Margaret, Sarnia  
 Allison, Jane Elizabeth, Windsor  
 Amyot, George Grant, Ottawa  
 Antill, Mary Elizabeth, London  
 Armstrong, Cynthia Gail, Hyde Park  
 Arnott, John David, Port Arthur  
 Atkinson, Peter Young, Elora  
 \*Babcock, Daryl Burton, London  
 Begg, Donald James Ian, St. Thomas  
 Bezan, Dorothy Joan, Kapuskasing  
 Bieman, Corinne Elizabeth, London  
 Bouthoorn, Ina, Aylmer  
 Brohman, Larry William, W. Montrose  
 Bushell, George Edbert, Kincardine  
 Campbell, Sandra Mary, London  
 Carruthers, Laura Anne, London  
 Chapman, Catherine Ann Kathleen, L.  
 Childs, Rosemary Ann, London  
 Clarke, Mary Jane, London  
 Cook, John Leslie, Woodstock  
 Cottrell, Robert Douglas, Galt  
 Crinklaw, Linda Diana, London  
 Davis, Barbara Elaine, Welland  
 Dredge, Lynda Ann, Wallaceburg  
 Emans, Karen Margaret, Chatham  
 Ferns, Gillian Merle, London  
 Ferris, Jacqueline Lucille, London  
 Forbes, Louise Marie, London  
 Fox, Camille Lorna, West Indies  
 French, Colleen Dorothy, Ottawa  
 Girvan, Judith Karen, London  
 Gordon, Jane Elizabeth, Stratford  
 Gordon, Paul Arne, Port Arthur  
 Graham, John Freele, Grand Bend  
 Grant, Richard Frank, Toronto  
 Groskorth, Lynne Catherine, P. Snd.  
 Harris, Anne Frances, Oakville  
 Howard, Janet Elizabeth, Leamington  
 Hudson, Jillian Jane, London  
 Kentenich, Karl August, Toronto  
 Kinmonth, Ann Patricia, London  
 Knighton, Robert Allen, London  
 Lillico, David Lloyd, Toronto  
 Little, David Bruce, Sarnia  
 Logan, Maureen Elizabeth, Sarnia  
 Lummiss, Susan Elizabeth, W. Hill  
 Lumsden, Lynda Marlene, London  
 Lyons, Elizabeth Mary, Markham  
 McFadzean, Sandy, Burlington  
 McKee, Marnie Elizabeth, Burling.  
 McKillop, Louise Mabel, Oakville  
 Maginnis, Brian James, London  
 Medley, Elaine Margaret, Falkenb.  
 Murray, Mary Lynn, London  
 Nesbitt, Gayle Marie, Blenheim  
 Olivery, Catherine Laura, Petrolia  
 Pollock, Joanne Azelle, Parkhill  
 Rankin, Norman Scott, Brantford  
 St. Pierre, Catherine Mary, Essex  
 Scheifele, Pearl Marion, Elmira  
 Shouldice, John Graham, London  
 Simpson, Sandra Joan, London  
 Smith, John Richard, Woodstock  
 Stalker, Carol Anne, West Lorne  
 Stevens, Robert Carson, Chatham  
 Stock, Robert Frederick, Tavistock  
 Sweetlove, James Allen, Galt  
 Tindale, Barbara Ann, Hamilton  
 Uren, Thomas Craw, London  
 Vallely, John Francis, Hamilton  
 Wagg, Donna Ruth, Toronto  
 Wreford, Bonnie Anne, Oakville  
 Zembala, Donna, London

Talbot CollegeUndergraduates

Bolotenko, George, Oshawa  
 Creedon, Joan Isabel, Kenora  
 Emmett, Brian Arthur, Sarnia  
 Field, Donna Louise, Forest  
 Johnston, Lila Margaret, Bothwell  
 Millen, Donna Beth, Windsor  
 Nantais, Dianne Eileen, Windsor  
 Nash, Gordon Douglas, London  
 Snyder, Ross Brian, London

Speers, Lynda Margaret, Whitby  
 Stevenson, Janet Harriette Cargill, L.  
 Strachan, Claudia Joy, Scarborough  
 Thompson, David Mason, Brooklin  
 Treloar, Nancy Karen, Trenton  
 Waugh, Thomas Henry Roppel, Guelph  
 Wonnacott, Alma Muriel, London  
 Wood, Susan Margaret, Oakville

University CollegeGraduates

Blackburn, Robert Alexander, Dresden  
 Blackwell, Paul Ralph, Blenheim  
 Braaten, Peter Alfred, Don Mills  
 Brouse, Fern Elizabeth, Ottawa  
 Burrows, Elsie Elizabeth, Stratford  
 Christie, Janice Isobel, Cromarty  
 Collins, Frederick John, St. Cath.  
 Dinkin, Mervin  
 Doyle, Richard John, Oshawa  
 Dressler, Thomas H. B., E. Roch.  
 Drimmie, Ronald Gordon, London  
 Dudek, Victor Joseph, London  
 Evans, Lorne Gordon, Guelph  
 Fell, William Frederick Paul,  
 St. Clair Beach  
 Gledhill, Norman, London  
 Glover, George Charles, Dundas  
 Godfrey, Michael Donald, Toronto  
 Greenwood, Harold Wesley, London  
 Heessels, Martin, Denfield

Heigenhauser, George Joseph F., Pres.  
 Henderson, Sheila Joyce, Sarnia  
 Kamien, Helen Molly, London  
 Korber, Carol Jean, Wallaceburg  
 Macklin, Carol Ann, Cobourg  
 Mills, Russell Andrew, St. Thomas  
 Mustard, Shirley Howe, Toronto  
 Nabben, John Herman, London  
 Peters, Kenneth Gordon, North Bay  
 Reed, Elizabeth Ann, Islington  
 Seright, Kathryn Ann, Kingston  
 Slater, Michael James, London  
 Smith, Nancy Christine, Waterloo  
 Smyth, Mary Margaret, Woodstock  
 Steggles, Courtney Leigh, Doon  
 Steven, Walter Tapscott, Burlington  
 Thompson, Barbara Worthy, Lynden  
 Weese, Robert Donald, Dresden  
 Yates, Linda Fern, London

Undergraduates

Ainsworth, Shayne Edward, London  
 Bender, Ian Clayton, Gowanstown  
 Biga, Helen, West Lorne  
 Blake, Milton, Welland  
 Blidner, Jeffrey Miles, Toronto  
 Braun, Irma Louise, London

Brown, Sheila Helen, Sudbury  
 Buckolz, Eric Ernest, North Bay  
 Cameron, Nancy Ellen, Thamesville  
 Chant, Karen Elaine, London  
 Cole, Mark Randall, Arva  
 Couckuyt, Jack Andrew, Aylmer

University College (Continued)Undergraduates

Cruickshank, David Alexander, Galt	McIntosh, Janet Lorraine, Deep River
Day, Stephen Charles, Toronto	McLean, Judith Ellen, Oshawa
Downs, Maurice Paul, Wiarton	McLeavey, Dennis William, Sarnia
Elliott, Pamela Jane, Simcoe	McNeely, Darla Lyn, Carleton Place
Fischer, Sandra Catherine L. Ayton	May, Marcella Jane, London
Forrester, Anne Dora, London	Mogg, Laurence John, London
Funston, Gail Luella, London	Moore, George Alexander, Waterloo
Gathercole, Lynn Elaine, Port Credit	Moore, Joyce Elaine, Simcoe
Gatrall, James Rolf, Windsor	Osachuk, Jacqueline Patricia, Cottam
Gee, Sheila Laura Amy, London	Park, William Stewart, Lucan
Genesee, Fred Henry, Burlington	Passfield, Robert Walter, St. Thomas
Gentleman, Connie Roberta, Oil Springs	Peckham, Vaughan Anson, West Lorne
Gettas, George Peter, London	Pigott, Hyacinth Veronica, London
Gillespie, Margaret Edith, Komoka	Power, Pamela Rose, London
Greenwood, Linda Dianne, Palmerston	Ripley, Kenneth Shaw, London
Harrington, Judith Angela, London	Simpson, Kathryn Ann, Listowel
Harvey, Lorna Ruth Burns, London	Smith, Brian Edward, Cooksville
Hickman, Patricia Anne, London	Smith, Michael John, Willowdale
High, Helene Anne, Langton	Spiers, Thomas Clarkson, Cal. Alta.
Jakubowski, Visia Mary, London	Steinstra, Enzy, London
Jamieson, Douglas Norman, Bancroft	Suzuki, Naomi Ruth, London
Jarvis, Elizabeth Ann, Onaping	Tough, Jeanine Wallace, Oakville
Kahle, Dianne Ruth, S.S. Marie	Veenstra, Jacob, London
Kells, Kathleen Elizabeth, London	White, Stephanie Lynne, Barrie
Lauge, Sarma, Islington	Withers, Bette Jane, Sarnia
Lewis, Ellen Louise, Welland Junction	Zankowski, Barbara Christine, Cromarty
MacDonald, Judy Anne, Oshawa	

## THE SCHOOL OF BUSINESS ADMINISTRATION

Graduates

Anderson, John Harold, London	Moore, Ronald Eugene, London
Brown, John Herbert, St. Thomas	Sulyma, Hugh Terrence J. D., Edm.
Chaplin, Jeffrey Allan, London	Walley, William John, Port Credit
Lehrner, Albert Bernard, Toronto	Walsh, David Frederick, Brockville
McLoughlin, Donald Charles, Toronto	

Undergraduates

Boersema, John Menco Jacob, Strath.	Mudge, Jeffrey Meade, Toronto
Gaufur, Yusuff Mohamed, Berbice, SA	Pearce, Michael Richard, Toronto
Loeb, Donald Elliott, Ottawa	Sinclair, Joseph Oliver, London
MacDonald James Stuart Alexander North Bay	

## THE FACULTY OF DENTISTRY

Undergraduates

Kenny, David Joseph, London  
Lind, John Robert, Brantford

Morgan, Marilyn Jean, Cannington

## THE FACULTY OF ENGINEERING SCIENCE

Graduates

Bracewell, Lloyd Walter, St. Cath.  
Coultes, Murray Edward, Wingham  
Doerr, Leonard Allan, London

Jeffery, Larry Michael, Mt. Elgin  
Kempling, John Christopher, London  
Shill, Ronald Herbert, London

Undergraduates

Beecham, Richard Frank Ernest, Lon.  
Behie, Leo Augustus Jr., Timmins  
Blackwell, Stephen Drummond, Lon.  
Brown, David Robert, London  
\*Dilkes, Frederick Gordon, London  
\*Gonder, Russell Allan, London  
\*Greason, William Duncan, St. Marys  
Hitchcox, Donald Wayne, Oakville  
Holtzkener, Barry, London  
Jeffrey, Robin Mark, Sarnia  
\*Johnson, Wayne Douglas, London  
Jones, Philip William, Brantford

Koba, Borys, London  
Kok, Robert, London  
MacDonald, Peter Douglas, London  
\*Nurse, Colin Arlington, Br. Guiana  
Post, Frank John, London  
Smith, Donald Leslie, Sarnia  
Tharratt, Martin Owen, London  
Topping, Douglas Reginald, London  
Trott, Clarence Robert, Mt. Brydges  
Voegelin, Belford Everett Jr., London  
Whitehouse, Jeffrey David, Toronto

## THE FACULTY OF LAW

Graduates

Anderson, Michael James, London  
Butcher, Thomas Edward Raymond, L.  
Clarke, Richard Neville, Noranda, Q.  
Dickie, Ronald Wayne, Pt. Claire, Q.  
Helson, John David, Belleville

Jenkins, Wilfred Donald, London  
Kavanaugh, Leonard Patrick, London  
Kent, James Chowen, Brantford  
Toolsie, Jagdat Vincent, London  
Warner, Dennis Walter, London

Undergraduates

Barker, Grant Richmond, Brantford  
Belecky, Joseph Franklin, London  
Black, Gary Livingstone, St. Cath.  
Israel, Robert John, Kitchener

Nicholson, Ross Ronald, St. Cath.  
Sasso, William Vincent, London  
Schwartz, Peter Hans Eugene, Lon.  
Varey, Darryl Lloyd, Brantford

The Faculty of Law (Continued)Undergraduates

Lovell, David Lawrence, London  
 McClure, George Kent, Oakville  
 Morin, John Thomas, Harrow

Ward, Robert Garton, Markham  
 Windischmann, Dezso, Windsor  
 Wolder, Theo, London

## THE FACULTY OF MEDICINE

Graduates

Biggs, John Gordon, London  
 Cain, John Patrick, Pt. Credit  
 Clark, David Alexander, Peterborough  
 Colcleugh, Robert Gordon, London  
 Devlin, Margaret Corinne, St. Cath.  
 Douglas, Bruce George, S.S. Marie

Jackson, William Bruce, Peterborough  
 Law, Peter James, Toronto  
 Smith, Susan Elizabeth, Waterloo  
 Stewart, Sarah Anne, London  
 Willan, Barbara Dianne, Windsor

Undergraduates

Bergen, Harry John, Brantford  
 Bloomfield, Brian Gordon, Ed., Alta.  
 Bradley, Douglas Leslie, Arnprior  
 Brandes, Lorne Jay, London  
 Brooke, Priscilla Heather, Waterloo  
 Evans, John Allan, London  
 Gannon, Michael John, Windsor  
 Henry, David George, St. Cath.  
 Hoddinott, Boyd Clifford, Burlington  
 Holder, Douglas Allan, London  
 Howitt, William Michael, Guelph  
 Ilnicki, Joseph Michael, London  
 Kutt, Judith Louise, London  
 Lehtinen, David Edward, Ashtabula, O.  
 Merritt, Richard Davidson, London

Nichol, Peter Michael, London  
 Parry, Park William, Paincourt  
 Pattison, Frederick Lewis M., London  
 Pearl, Stephen Richard, Toronto  
 Ralph, Edward Danby, London  
 Rathbun, Flora Jamieson, London  
 Robins, Ronald Norman, Brantford  
 Rorabeck, Cecil Hewitt, Toronto  
 Scheifele, David Walton, London  
 Smith, Phyllis Jane, Flint, Mich.  
 Snider, Sandra Jean, Exeter  
 Teal, Patricia Kathleen, Ft. Erie  
 Wall, William John Patrick, Tecumseh  
 Yeats, Ian Fergus, Galt

## Deans' Honors List - June 1967

## SUMMARY

	<u>Graduates</u>		<u>Undergraduates</u>		<u>Totals</u>	
	<u>Men</u>	<u>Women</u>	<u>Men</u>	<u>Women</u>	<u>Men</u>	<u>Women</u>
Huron College	4	6	6	5	10	11
Brescia College	-	7	-	18	-	25
King's College	5	-	11	-	16	-
College of Music	-	-	3	2	3	2
College of Science	38	18	100	26	138	44
Middlesex College	18	15	26	47	44	62
Talbot College	-	-	6	11	6	11
University College	24	14	26	39	50	53
Business	9	-	7	-	16	-
Dentistry	-	-	2	1	2	1
Engineering	6	-	23	-	29	-
Law	10	-	14	-	24	-
Medicine	<u>7</u>	<u>4</u>	<u>23</u>	<u>6</u>	<u>30</u>	<u>10</u>
TOTALS	<u>121</u>	<u>64</u>	<u>247</u>	<u>155</u>	<u>368</u>	<u>219</u>



1962	1,108	1,108
1963	1,228	1,228
1964	1,357	1,357
1965	1,411	1,411
1966	1,510	1,510
1967	1,609	1,609
1968	1,709	1,709
1969	1,809	1,809
1970	1,909	1,909
1971	2,009	2,009
1972	2,109	2,109
1973	2,209	2,209
1974	2,309	2,309
1975	2,409	2,409
1976	2,509	2,509
1977	2,609	2,609
1978	2,709	2,709
1979	2,809	2,809
1980	2,909	2,909
1981	3,009	3,009
1982	3,109	3,109
1983	3,209	3,209
1984	3,309	3,309
1985	3,409	3,409
1986	3,509	3,509
1987	3,609	3,609
1988	3,709	3,709
1989	3,809	3,809
1990	3,909	3,909
1991	4,009	4,009
1992	4,109	4,109
1993	4,209	4,209
1994	4,309	4,309
1995	4,409	4,409
1996	4,509	4,509
1997	4,609	4,609
1998	4,709	4,709
1999	4,809	4,809
2000	4,909	4,909
2001	5,009	5,009
2002	5,109	5,109
2003	5,209	5,209
2004	5,309	5,309
2005	5,409	5,409
2006	5,509	5,509
2007	5,609	5,609
2008	5,709	5,709
2009	5,809	5,809
2010	5,909	5,909
2011	6,009	6,009
2012	6,109	6,109
2013	6,209	6,209
2014	6,309	6,309
2015	6,409	6,409
2016	6,509	6,509
2017	6,609	6,609
2018	6,709	6,709
2019	6,809	6,809
2020	6,909	6,909
2021	7,009	7,009
2022	7,109	7,109
2023	7,209	7,209
2024	7,309	7,309
2025	7,409	7,409
2026	7,509	7,509
2027	7,609	7,609
2028	7,709	7,709
2029	7,809	7,809
2030	7,909	7,909

### APPENDIX G

## FULL-TIME ENROLLMENT IN UNIVERSITIES AND COLLEGES OF CANADA

1962	1,108	1,108
1963	1,228	1,228
1964	1,357	1,357
1965	1,411	1,411
1966	1,510	1,510
1967	1,609	1,609
1968	1,709	1,709
1969	1,809	1,809
1970	1,909	1,909
1971	2,009	2,009
1972	2,109	2,109
1973	2,209	2,209
1974	2,309	2,309
1975	2,409	2,409
1976	2,509	2,509
1977	2,609	2,609
1978	2,709	2,709
1979	2,809	2,809
1980	2,909	2,909
1981	3,009	3,009
1982	3,109	3,109
1983	3,209	3,209
1984	3,309	3,309
1985	3,409	3,409
1986	3,509	3,509
1987	3,609	3,609
1988	3,709	3,709
1989	3,809	3,809
1990	3,909	3,909
1991	4,009	4,009
1992	4,109	4,109
1993	4,209	4,209
1994	4,309	4,309
1995	4,409	4,409
1996	4,509	4,509
1997	4,609	4,609
1998	4,709	4,709
1999	4,809	4,809
2000	4,909	4,909
2001	5,009	5,009
2002	5,109	5,109
2003	5,209	5,209
2004	5,309	5,309
2005	5,409	5,409
2006	5,509	5,509
2007	5,609	5,609
2008	5,709	5,709
2009	5,809	5,809
2010	5,909	5,909
2011	6,009	6,009
2012	6,109	6,109
2013	6,209	6,209
2014	6,309	6,309
2015	6,409	6,409
2016	6,509	6,509
2017	6,609	6,609
2018	6,709	6,709
2019	6,809	6,809
2020	6,909	6,909
2021	7,009	7,009
2022	7,109	7,109
2023	7,209	7,209
2024	7,309	7,309
2025	7,409	7,409
2026	7,509	7,509
2027	7,609	7,609
2028	7,709	7,709
2029	7,809	7,809
2030	7,909	7,909

Full-time University-grade Enrollment at Canadian Universities

and Colleges, 1965-66 and 1966-67

	Undergraduate	Graduate	Total
1965-66:			
Newfoundland	3, 106	62	3, 168
Prince Edward Island	924	--	924
Nova Scotia	8, 997	460	9, 457
New Brunswick	5, 988	383	6, 371
Quebec	61, 506	5, 810	67, 316
Ontario	52, 124	6, 859	58, 983
Manitoba	10, 469	600	11, 069
Saskatchewan	10, 300	407	10, 707
Alberta	13, 445	1, 304	14, 749
British Columbia	21, 833	1, 311	23, 144
CANADA	188, 692	17, 196	205, 888
			457
1966-67:			
Newfoundland	3, 824	69	3, 893
Prince Edward Island	1, 139	--	1, 139
Nova Scotia	9, 284	522	9, 806
New Brunswick	6, 423	439	6, 862
Quebec	68, 570	6, 500	75, 070
Ontario	60, 862	7, 727	68, 589
Manitoba	11, 702	687	12, 389
Saskatchewan	11, 021	556	11, 577
Alberta	15, 380	1, 603	16, 983
British Columbia	24, 748	1, 616	26, 364
CANADA	212, 953	19, 719	232, 672