

The
1966
President's
Report

REPORT OF THE PRESIDENT
AND VICE-CHANCELLOR

to

THE BOARD OF GOVERNORS
AND THE SENATE

For the Academic Year
Ending June 30, 1966

The University of Western Ontario
London - Canada

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REPORT OF THE PRESIDENT AND VICE-CHANCELLOR
TO THE BOARD OF GOVERNORS AND THE SENATE
THE UNIVERSITY OF WESTERN ONTARIO

1965-66

It is with regret and sadness that I record the passing of members of the Faculty and staff of the University. Our debt to them is great. My sincerest sympathies are extended to the members of their families.

Dr. J. B. Collip, former Dean of Medicine and Head of the Collip Medical Research Laboratory, 19 June 1965.

Dr. V. A. Callaghan, Clinical Associate Professor of Surgery in the Faculty of Medicine, 4 July 1965.

Miss Gertrude Smith, former clerk, Comptroller's Office, 25 October 1965.

Professor H. E. Jenkin, retired Professor of French and Director of Trois-Pistoles Summer School, 11 November 1965.

Mr. George Lane, Occupations Specialist, Althouse College of Education, 11 November 1965.

Mrs. Dorothy Douglas, secretary in the Book Store, 14 November 1965.

Dr. Ernest L. Williams, retired Associate Professor of Obstetrics and Gynaecology, 12 December 1965.

Dr. F. C. Ferguson, retired Instructor in Anaesthesia, 18 February 1966.

Miss M. J. Lindsay, retired Book Store Manager, 18 February 1966.

As will be seen from the report of the Registrar, which I hope will be read in its entirety, student enrollment continues to run one year ahead of the 1962 projection. The 1965-66 enrollment was up 11.4% -- the undergraduate registration being within 24 of estimate.

And associated with the increasing number of students, of course, is increased expenditures. The forecast budget for 1966-67 is \$4,233,000, excluding Althouse College of Education, over the 1965-66 budget of which 75% of this increase is for staff and related costs, 11% for equipment, furnishings, libraries, etc. and 4.5% covering increased costs for operation and maintenance of buildings and grounds, and the balance to the introduction of new or expanded departments and services.

In connection with details of the University's fiscal operation and physical plant expansion I refer you to the respective reports of the Comptroller and of the Superintendent of Buildings and Grounds. I commend them to you.

The continued rapid growth of the University over the past number of years could have been met only by the provision of additional physical facilities. This growth in numbers and in general size of the academic units has at the same time meant a rapid growth in several administrative departments -- Registrar, Comptroller, Awards, Purchasing, Accounts, Customs, Personnel, etc. But the priority for additional accommodation has consistently and rightly been given to academic needs. However, resolving the acute inadequacy of the existing facilities of the administrative departments could no longer be postponed and an addition to Stevenson Hall was approved. The addition will provide 20,738 square feet of much needed space, but this should be considered as part of a total addition which will eventually include a portion of the present Library when that building becomes available for other purposes following the completion of a new University Library.

At the same time approval was given for a 31,000 square foot addition to University College and the construction of a Dental Sciences building of 150,000 square feet. I mention these two additions and one new building for a purpose and as an example. With such growth taking place and further expansion being planned, expansion of physical services is essential. It has been necessary to provide, for example, a "north" air cooling-chiller plant to supplement the central plant which has reached its capacity. Again, with power consumption constantly on the increase, new transformer capacity had to be provided and extensive additions planned in the whole electric high voltage system.

At the present time the transformer capacity at the University sub-station is 4,200 K. W. ; by next summer (1966) this will be increased to 6,000 K. W. and by 1970 to approximately 11,000 K. W. The possibility of further expansion up to 16,000 K. W. will be provided for.

And as the University grows and grows additional boiler capacity is required, additional roads and sidewalks are needed, more light standards must be provided, increased sewage capacity is needed, and more water and other services are used.

I mention these facets of growth so that we will not forget their importance and their costs -- both capital and operating. The sums are large. The expansion of "service" facilities is a major component of total physical facilities for academic purposes.

And as new buildings are commenced and new additions to existing buildings started, some newly completed buildings have been officially opened and eagerly occupied.

It was with great satisfaction then that the new Medical Sciences Building was officially opened on October 22, 1965 by the Honourable John P. Robarts, Prime Minister of the Province of Ontario. It was, at the same time, with sincere regret that the ceremonies had to be carried on in the absence of Dr. J. B. Collip, former Dean of Medicine, whose sudden and untimely death of June 19, 1965 was a great loss, not only to Western but to the whole scientific world.

As planned before Dr. Collip's death, the Research Laboratories within the Medical Sciences Building were dedicated to him by the Very Reverend Kenneth Keefe, Dean of St. Paul's Cathedral, assisted by Mr. Robarts and in the presence of Mrs. Collip and her children. The bas-relief of Dr. Collip and the plaque of which it is a part will always be a reminder of his contributions to humanity and of his personal greatness.

Only a few days later, October 29, 1965, the Honourable William G. Davis, Minister of University Affairs, inaugurated the College of Science at a ceremony in the new Natural Sciences Centre, marking the official opening of that Centre, the new Chemistry Building and major additions to the relatively new Biological and Geological Sciences Building.

The growing need for an additional School of Library Science in Ontario was discussed in last year's report. But at this time it should be noted that the establishment of this School was agreed upon "on the understanding that the establishment and operation of the new School would not prejudice other plans which the University had underway".

In the planning of the programme three outstanding library scientists acted as consultants -- Professor George Brown, Dr. Leon Carnoosky and Dean Neal Harlow. Subsequently the Senate and the Board established the School of Library and Information Science, as a School within the Faculty of Graduate Studies.

The development of the new school of Library and Information Science was furthered by the early appointment of Dr. Andrew D. Osborn as Dean of the School. Dr. Osborn has an extremely wide experience in Library School work, has been a consultant on numerous occasions to several major universities and has won an international reputation as a leader in his field. Temporary accommodation for the new School will be provided pending the completion of the new University Library, after which time the School of Library and Information Science will occupy part of the present university Library building.

Of great significance in the complete development of a Health Science Centre was the public announcement on July 2, 1965 that a 405-bed teaching hospital to be erected on the campus had been approved by the Ontario Hospital Services Commission on behalf of the London Health Association. It had been agreed by the London Health Association that the name of the hospital would be the "University Hospital". The Hospital proper, of course, would be supported by the Ontario Hospital Services Commission, while the clinical sciences and teaching facilities would be supported through the Department of University Affairs.

The Health Sciences Complex here becomes a model for others who are in the process of establishing comparable centres wherein Medicine, Dentistry, Nursing, Rehabilitation are integrated into the total Health Sciences. The development at Western in this field is a great step forward. The University is indeed indebted to the London Health Association, not only for their co-operation and their willingness to share their new resources with the University, but also for their vision and understanding of the new role of the Health Sciences in the interest of the people of this country. It is a real example of complete co-operation.

For several years the University has faced an ever-growing problem in the provision of sufficient residential accommodation for its students. In previous reports the need for more and more residences has been stressed but the problem of finances has restricted this development. Nevertheless it was possible to commence the construction of the large new residence for women -- Delaware Hall -- which will bring the University's total residential capacity to some 1,100.

The needs of the Faculty of Engineering Science continue to grow as its graduate studies and research programmes expand rapidly. Although only a modest increase in undergraduate enrollment is planned a major expansion in graduate enrollment has already resulted in critical space shortages.

On November 25, 1965, a special type of Wind Tunnel, designed by and for use by Professor A. G. Davenport and his group, was officially opened by Dr. Kenneth Tupper, Vice-President, National Research Council, in the presence of the members of the Engineering Science Advisory Committee, of which Dr. Tupper is the Chairman. This new Wind Tunnel, unique as it is, brought added prestige to the Faculty and enhanced its growing reputation in teaching and in graduate studies.

Major efforts are being expended within the Faculty in the development of air pollution and noise abatement studies as part of a new bio-engineering concept. This interdisciplinary approach to several growing problems created by our expanding industrial society is attracting considerable attention. Financial support for the work has come from several different sources, both government and industry. The need for additional space and relevant major equipment is becoming more acute. Planning for temporary space as well as for a permanent addition to the Engineering Science Building is in progress.

With the rapid growth of the University and in particular the tremendous expansion of graduate studies and research the inadequacies of the present Main Library have been accentuated. Decentralization of special library resources has been a policy for many years and as a result the libraries in the Health Sciences, Business Administration, Law, Natural Sciences and to a lesser extent at present in Engineering, have been materially strengthened. At the same time the acquisitions in the Main Library have been increased consistently over the years and indeed in an accelerated way during the past few years. The two additions to the Main Library, constructed during the past ten years, could not keep pace with the growing requirements.

The Advisory Committee on Library Planning, established a year ago, was given the difficult task of studying and reporting upon the Library needs over the next decade.

The report of this Committee is a most important document. It was the result of a vast amount of consultation, many meetings, much study and inevitably some compromises. Three architectural consultants studied, independently, possible sites for the new Library. Members of

the Faculty, the Faculty Association, and each Faculty, College and School were given the opportunity of expressing their views on the draft report.

The Chairman of the Committee, Professor John Davis; the Chief Librarian, Dr. J. J. Talman; Professor R. J. Rossiter and Mr. John Shortreed deserve special mention for the tremendous efforts which they expended on this study.

The proposed new Library will house approximately one million volumes, will have a 100% expansion factor built in and will cost approximately \$7,000,000 (1966 prices). It is hoped that the Library will be ready for use sometime in 1969-70.

Early in the year a reappraisal was made of the role of the Faculty of Law in relation to the other Law Schools of the Province. An examination was made as to whether the Faculty should plan to increase its enrollment substantially beyond that originally contemplated. It would appear that Western should accept a greater share of the total responsibility for educating an increasing number of law students. This, of course, would require a substantial increase in physical facilities, in staff and in operating budgets.

In April 1966 the announcement was made that the Western University Fund, 1963 had gone "over the top". The objective of \$7.2 million was reached only through the efforts of many friends of the University. Canadian businesses gave generous support to the campaign, not alone through their donations but as well through their willingness to have senior personnel work actively on our behalf in the campaign. This interest and the support received is evidence of the concern which business and industry have for higher education in general and Western in particular.

For the first time, too, the Alumni Association assumed a major role by undertaking the raising of \$1,000,000 to be applied to "Alumni Hall" -- a building designed for multi-purpose activities but with emphasis on an auditorium with fine acoustical properties. That the cornerstone of this building was laid on May 28, 1966 is tangible evidence of the success of the Alumni campaign and the deep interest of the Alumni.

Cornerstone laying ceremonies were held on June 10 for Talbot College, an Arts College, and for Delaware Hall -- a magnificent, large residence for women. The four Houses in Delaware were named in honour of:

Dr. Ada Dorothy Turville, a beloved teacher, a fine Dean of Women, a keen Alumna and a wonderful lady;

Miss Kate M. Gillespie, a devoted member of the Library staff and an active participant in undergraduate women's affairs;

The late Miss Olga Alice Miller, a long-time member of the Registrar's Office, a great athlete and the organizer of the first women's undergraduate society;

The late Miss Ruby Mason, the first Dean of Women at Western and one instrumental in shaping undergraduate women's activities.

The young ladies who will be privileged to reside in Delaware Hall in the years to come will take pride and example in these four persons and, through their honoured names, in the loyalty, devotion and service which they gave to Western. That the first Warden of Delaware will be Dr. Helen Allison, so well-known to thousands of Alumni, is a stroke of fortune -- both for the residents and the University.

With so many new buildings being planned and sited, the establishment of an Architectural Advisory Committee was considered desirable. This Committee consists of the three following architects of distinction:

Mr. E. W. Haldenby, B. A. Sc., FRAIC -- a senior architect;

Dr. Thomas Howard, Ph. D., FRIBA -- Dean, School of Architecture, Toronto;

Mr. Douglas C. Johnson, B. A. (Arch), MRAIC -- immediate Past-President, Ontario Association of Architects.

The value and effectiveness of this Committee has already been demonstrated.

The long-awaited "Duff-Berdahl" report was published in March and was welcomed by the Board which for several months had been examining closely the so-called government of the University. The Board, after consideration, officially and publicly accepted the principles of the report and specifically affirmed the following basic recommendations:

1. The retention of the two-tiered system of University Government through the Board of Governors and the Senate;

2. The seating of Faculty members on the Board;
3. The seating of a student representative, but not himself a student, on the Board;
4. The granting to the Senate of wider powers and responsibilities;
5. Changes in membership of the Senate establishing it as being essentially academic in composition;
6. Closer liaison between the Board, Senate and students;
7. The establishment of a University "Court" or Assembly.

In order to study these and other relevant problems of government within this University, the Board asked the Senate to join with it in establishing a Joint Board-Senate Liaison Committee. This Committee will undoubtedly be a most effective one and its recommendations will likely be the basis of a new University Act. In this connection, too, the Senate had already established a Senate Review Committee to study and report upon university government. The report of this Committee will be of great value to the Joint Board-Senate Liaison Committee in its deliberations.

As will be seen from the report of the Dean of the Faculty of Graduate Studies the research activities of the members of the Faculty continue to increase and the areas of research activities expand. This, of course, is yet another reflection of the role which Western is playing in the field of graduate studies in Canada. It should be recognized that Western, as one of the older universities not only has played a major part in providing for increased total numbers of students in the Province, but that with its growing maturity and prestige it must assume increasing responsibility at the graduate level.

The new universities and those which only a few years ago were small institutions but which are now expanding rapidly will be anxious to introduce graduate courses and programmes many years before they, in my opinion, should do so. The pitfalls would be many. Graduate Studies as a whole might well suffer and the "value" of a good graduate degree could be diminished.

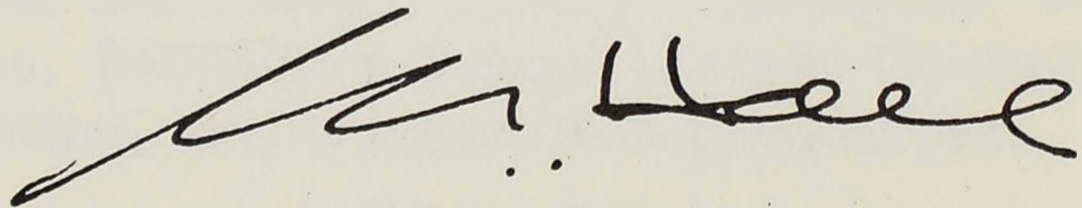
It requires a degree of excellence, as well as experience and judgment on the part of Faculty; it requires an adequacy of library holdings in the specific disciplines; and it takes time before the new universities can be expected to participate to any great extent in graduate work. It is therefore incumbent upon Western to participate to an even greater extent in graduate studies. At the same time, I sincerely hope that expansion of the University's total enrollment will be curtailed.

And it is in this context of becoming a major centre for Graduate Studies and research that the recruitment of members of Faculty should be placed. Naturally the largest number of new members are appointed at the Assistant Professor level. These young men and women come from many different universities with good graduate degrees and with experience and age many will become outstanding teachers and scholars. At the same time many new members have been appointed at the Associate Professor and Professor levels. Many of these are teachers and scholars of national and international repute who come to join others here of like reputation to enhance further the growing prestige of the University.

* * * * *

To continue to comment on the great number of things which have been taking place within the University would be to cover very superficially the excellent individual reports of the Faculties, Schools, Colleges and the other integral activities and units of the University. These reports should be read in detail so that a full and complete picture of the University may be obtained.

All of which is respectfully submitted.



G. Edward Hall
President and Vice-Chancellor

THE UNIVERSITY SENATE

Report of the Secretary

Professor J. K. Watson

Four meetings of the Senate of The University of Western Ontario were held -- on October 28 and December 17, 1965, and on February 25 and May 24, 1966 -- with an average attendance of 46.

As of June 30 Senate membership from university faculty and administration was 41. Average attendance of this group at the four Senate meetings was 28. Senate membership from specified interest groups outside the University authorized by the University Act was 53, of which 11 appointments had not been filled. Average attendance of this group was 18.

Two new Committees of the Senate were established, and their functions and responsibilities defined:

1. The Senate Review Committee (December 1965) will examine membership structure and organization of the Senate, and Senate function in the creation of academic policy and administration, the report of the Committee to be presented within six months;
2. The Senate Policy Committee (May 1966) will examine existing Senate academic policies and goals and will create and recommend new policies.

Standing Committees of the Senate as of June 30 were the Executive Committee, Arts Educational Policy Committee, Policy Committee, Review Committee, Secondary School Liaison Committee, Honorary Degrees Committee, and Convocation Committee.

During the year the formation, functions and organization of a University Library Council were considered by the Senate Executive Committee and in May the Senate approved the Council's establishment and terms of reference.

Senate policy for admission to the University in 1967 was examined and regulations were revised for admission to the Faculties of Arts and Science, Medicine, Dentistry, Engineering Science, and the School of Nursing.

In June 1965 the Senate had approved in principle the right to require additional tests for admission. In February 1966 the Aptitude and Achievement Tests of The College Entrance Examination Board of the United States were approved as a requirement for admission in 1967. At the same time, The Medical College Admission Test was approved as additional requirement for admission to the Faculty of Medicine.

Sanction was given to the Faculty of Arts and Science to separate two dual-subject departments. The Department of Economics and Sociology was divided into the Department of Economics and the Department of Sociology. The Department of Mathematics and Astronomy was divided into the Department of Astronomy and the Department of Mathematics. The Department of Mathematics was authorized to have two divisions within itself, Pure Mathematics and Applied Mathematics.

Approval was given an affiliated college, St. Peter's Seminary College of Arts to change its name to King's College.

At the request of the Board of Governors, the Senate appointed seven of its members to represent it on a Joint Senate-Board Liaison Committee of the Board Governors.

Two Graduate Programmes were created. The Department of Sociology was authorized to offer a two-year programme leading to the M. A. Degree. The School of Library and Information Science was authorized to offer a graduate programme leading to the M. L. S. Degree.

Three new undergraduate programmes were established. Two programmes in Rehabilitation Medicine were approved in principle, and an Honours Programme in Latin with its required courses was approved.

Permission was granted to affiliated colleges to offer eight additional courses in the General Programme.

Approval was given for the release of actual numerical marks on undergraduate reports and transcripts, instead of just the letter grade.

In the Faculty of Arts and Science 11 new courses for Honours Programmes, ten new courses for General Programmes, and revisions in Honours Programmes in ten departments were approved.

Revision of options offered by Althouse College, and programme modifications in the Faculty of Engineering Science were sanctioned.

The curricula to be offered by the Faculty of Dentistry, and by the School of Nursing in its new four-year programme, were approved.

The 194th Convocation of the University was held on September 3, 1965, the 195th on October 29, 1965, and the 196th in four periods on May 25, 26, 27 and 28, 1966. At the three Convocations, 1,872 degrees and diplomas were conferred.

	<u>1965-66</u>	<u>1955-56</u>
Honorary Degrees	9	15
Honours Programmes	219	96
General Programmes	945	353
Professional Programmes	<u>283</u>	<u>149</u>
Subtotal - Undergraduates	1,456	613
Graduate Studies	280	87
Diplomas	<u>136</u>	<u>116</u>
Total	<u><u>1,872</u></u>	<u><u>816</u></u>

OFFICE OF THE REGISTRAR

Report of the Registrar

Professor J.K. Watson

When the number of students enrolled in a University exceeds 5,000, automated recording becomes essential. In 1963 there were 5,095 full-time students registered at this University. For the 1965-66 year just completed there were 7,063 full-time students registered.

The transition from manual to automated recording began in the final months of 1964 and is continuing. Both systems must be maintained until the programming of the many areas has proven itself. Efficient functioning of the new system will eventually relieve faculty members of many hours of administrative frustration, facilitate academic counselling, and significantly decrease the cost of academic record keeping.

The Registrar, as chief record keeper, becomes an observer of the effects of academic policy. He becomes an unbiased administrator of the myriad recommendations of the Faculty Councils approved by the Senate, or Senate Committees, and sees the ramifications as they affect student goals and directions.

The senior personnel of this office have endeavoured to communicate their observations to the Faculty on all committees to which they have been appointed. In the past year they have been ex officio members of the Petitions Committee and Scholarship Committee of the Faculty of Arts and Science; the Advisory Committees to Althouse College of Education and to the Summer School and Extension Department; and the Admissions Committees of the Faculties of Arts and Science, Engineering Science, Law, Medicine, and Dentistry.

Statistical Report of the Registrar for the year, published separately, shows the growth pattern of registration, selection of programmes, and academic behaviour patterns.

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, 1966 is based upon the audited statements prepared by the University's auditors, Clarkson, Gordon and Co.

Revenue

Total revenue for all current operating purposes exclusive of the Althouse College of Education increased by \$3,361,658 over the previous year, an increase of almost 25%. Revenue for educational and general purposes increased by \$3,156,430. The revenue from student fees increased in amount but declined from 28.9% of total educational and general revenue in 1964-65 to 25.1% in 1965-66, thus continuing a trend which has been evident over the past few years.

The support received from the Province of Ontario increased materially in the year under review. The provincial grant for operating and maintenance purposes was increased by \$1,960,000 to \$5,300,000. This represented 35.8% of total educational and general revenue compared to 28.4% in the previous year. Continuing support was also given for the expanded Graduate Studies Programme through a special grant of \$460,000, the same as was granted in 1964-65. A special grant for scholarships and bursaries in the amount of \$100,000 was also provided.

The grant received from the Federal Government was \$1,434,163, slightly less in amount than in the preceding year. It represented \$245 per full-time student, a reduction from the figure of \$282 per student in 1964-65. The increase to \$5 per capita which will be effective in 1966-67 will materially increase the revenue from this source. In addition, the formula to be used in the distribution of the grant will benefit this University.

The City of London continued its valued support in the amount of \$150,000, one-half of which was credited to general revenue and the remainder to capital funds as directed by the Board of Governors.

Revenue from services to Victoria Hospital declined due to the partial transfer to the hospital of the departments in the Meek Memorial Laboratories when the Faculty of Medicine moved to the new Medical Sciences Building on the campus. Expenditures were, of course, similarly reduced.

Expenses

Expenditures for academic instruction, libraries, and research accounted for the greatest share of the University's ordinary and general expense with 84.26% being spent for these purposes. Administrative expenses accounted for 3.02% and the operation and maintenance of the Physical Plant 8.66%.

Net Result of the Year's Operations

In spite of constantly rising costs during the year under review, a small operating surplus of \$12,429 was achieved instead of the deficit which was forecast in the budget. For comparative purposes, the net operating results of the previous five years are given below:

1965	\$12,569 surplus
1964	46,894 deficit
1963	4,077 surplus
1962	2,972 surplus
1961	4,432 surplus

Surplus

The balance in the accumulated surplus account now stands at \$47,173 including the credit applied from the year ended June 30, 1966.

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. Althouse College of Education figures are not consolidated with those of the University, but are shown separately in a following statement.

Comparative Statements of Revenue and Expense

	1965-66		1964-65	
	<u>Amount</u>	<u>%</u>	<u>Amount</u>	<u>%</u>
<u>Revenue</u>				
<u>Student Academic Fees</u>	\$ 3,714,084	25.09	\$ 3,366,822	28.91
<u>Gifts for General and Specific Operating Purposes (other than research)</u>				
Alumni	27,891	.19	15,924	.14
Other Individuals	28,559	.18	21,490	.19
Business and Sundry	20,000	.14	20,000	.17
	<u>76,450</u>	<u>.51</u>	<u>57,414</u>	<u>.50</u>
<u>Receipts from Services to Outside Organizations</u>	<u>267,794</u>	<u>1.81</u>	<u>383,112</u>	<u>3.29</u>
<u>Miscellaneous</u>	<u>20,531</u>	<u>.14</u>	<u>32,730</u>	<u>.29</u>
<u>Endowment Income for General Purposes</u>	<u>182,522</u>	<u>1.23</u>	<u>142,142</u>	<u>1.22</u>
<u>Current Government Grants</u>				
(a) General Purposes				
Federal	1,434,163	9.69	1,480,857	12.72
Provincial	5,300,000	35.81	3,340,000	28.43
Municipal	75,000	.50	75,000	.64
	<u>6,809,163</u>	<u>46.00</u>	<u>4,895,857</u>	<u>42.04</u>
(b) Specific Purposes				
Provincial	<u>560,000</u>	<u>3.79</u>	<u>553,600</u>	<u>4.75</u>
<u>Total Government Grants</u>	<u>\$ 7,369,163</u>	<u>49.79</u>	<u>\$ 5,449,458</u>	<u>46.79</u>

Comparative Statements of Revenue and Expense (Continued)

	1965-66		1964-65	
	<u>Amount</u>	<u>%</u>	<u>Amount</u>	<u>%</u>
<u>Sponsored or Assisted Research Funds</u>				
Government - Federal	\$ 1,867,336	12.62	\$ 1,096,697	9.43
Government - Provincial	229,297	1.55	172,838	1.48
Individuals	11,141	.08	19,998	.17
Corporations	158,861	1.07	154,493	1.32
Foundations	748,381	5.05	542,730	4.66
Endowments	19,625	.14	23,926	.21
Other	137,110	.92	201,641	1.73
	<u>3,171,751</u>	<u>21.43</u>	<u>2,212,883</u>	<u>19.00</u>
<u>Net Surplus on Ancillary Enterprises</u>	<u>-</u>	<u>-</u>	<u>1,304</u>	<u>-</u>
<u>Total Ordinary Revenue</u>	14,802,295	<u>100.00</u>	11,645,865	<u>100.00</u>
<u>Ancillary Enterprises</u>				
Revenue	2,046,400		1,842,476	
Less net surplus as shown above	<u>-</u>		<u>1,304</u>	
	<u>2,046,000</u>		<u>1,841,172</u>	
<u>TOTAL REVENUE</u>	<u>\$16,848,695</u>		<u>\$13,487,037</u>	

Comparative Statements of Revenue and Expense (Continued)

<u>Expense</u>	<u>Amount</u>	<u>%</u>	<u>Amount</u>	<u>%</u>
Academic	\$ 8,336,450	57.02	\$ 6,526,413	57.33
Libraries	812,130	5.55	729,788	6.41
Assisted Research	<u>3,171,751</u>	<u>21.69</u>	<u>2,212,883</u>	<u>19.44</u>
<u>Total Academic, Libraries and Research</u>	12,320,331	84.26	9,469,084	83.18
Administration	441,764	3.02	406,715	3.57
Alumni Affairs, etc.	78,136	.53	66,120	.58
Plant Maintenance	1,265,922	8.66	906,081	7.96
Scholarships, Bursaries, Prizes	100,000	.69	93,600	.82
Miscellaneous	387,996	2.65	441,437	3.89
Net deficit on Ancillary Enterprises	27,502	.19	-	-
<u>Total Ordinary Expense</u>	<u>14,621,651</u>	<u>100.00</u>	<u>11,383,037</u>	<u>100.00</u>
Extraordinary Operating Expense	168,215		250,259	
<u>Ancillary Enterprises</u>				
Expense	2,073,902		1,841,172	
Less net deficit	<u>27,502</u>		<u>-</u>	
	<u>2,046,400</u>		<u>1,841,172</u>	
<u>TOTAL EXPENSE</u>	<u>\$16,836,266</u>		<u>\$13,474,468</u>	
Surplus (Deficit) for the Year	<u>\$ 12,429</u>		<u>\$ 12,569</u>	

Althouse College of EducationComparative Statements of Revenue and Expense

	1965-66		1964-65	
	<u>Amount</u>	<u>%</u>	<u>Amount</u>	<u>%</u>
<u>REVENUE</u>				
Student Academic Fees	\$ 38,363	2.81	\$ -	-
Current Government Grants				
Federal	37,998	2.78	-	-
Provincial	<u>1,290,000</u>	<u>94.41</u>	<u>120,000</u>	<u>100.00</u>
<u>Total Revenue</u>	<u>\$1,366,361</u>	<u>100.00</u>	<u>\$ 120,000</u>	<u>100.00</u>
<u>EXPENSE</u>				
Academic	\$ 892,771	80.51	\$ 51,334	50.67
Library	<u>80,020</u>	<u>7.21</u>	<u>46,455</u>	<u>45.85</u>
Total Academic & Library	972,791	87.72	97,789	96.52
Administration	72,071	6.50	3,527	3.48
Plant Maintenance	57,949	5.23	-	-
Miscellaneous	<u>6,026</u>	<u>.55</u>	<u>-</u>	<u>-</u>
<u>Total Expense</u>	<u>\$1,108,838</u>	<u>100.00</u>	<u>\$ 101,316</u>	<u>100.00</u>
<u>Surplus for the year</u>	<u>\$ 257,523</u>		<u>\$ 18,684</u>	

Research

The amount expended on research increased significantly to an all-time high of \$3,216,062, * an increase of almost 43% 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>
1965	\$2,250,271
1964	2,012,429
1963	1,669,189
1962	1,525,119
1961	1,142,912

The distribution of the 1965-66 research expenditures within the various faculties and schools is as follows:

<u>Faculty, School, etc.</u>	<u>Gross Research</u> <u>Expenditures</u>	<u>% of</u> <u>Total</u>
Faculty of Medicine	\$1,700,707	52.9
Faculty of Arts & Science	1,015,604	31.3
Museums	135,182	4.2
School of Business Administration	93,377	2.9
Faculty of Engineering Science	235,810	7.4
Miscellaneous	<u>35,382</u>	<u>1.3</u>
	<u>\$3,216,062</u>	<u>100.0</u>

Ancillary Enterprises

The operations reported in this category are the Food Services, the Residences, the Book Store, the Post Office, the Health Services and Athletics. The revenue from these activities reached a new peak of \$2,046,400. It was in this area of operations that the impact of mounting costs was most severely felt and, as a result, expenses exceeded revenue

*Includes University sponsored research which is reported under Academic expense in the summary statements.

by \$27,502. It has been necessary, therefore, to increase Residence rates and to adjust food prices slightly, and it is expected that, in 1966-67, these areas will operate at a breakeven point.

New Faculties, Schools, etc.

During 1965-66 the Althouse College of Education opened and its operating expenditure of \$1,108,838 is shown in separate operating statements. The organizational expenses connected with Talbot College and with the Faculty of Dentistry are included, leading to the enrollment of the first students in the fall of 1966. The Alumni organization was expanded and strengthened, and the Department of Information Services and University Publications was established. Additional breadth was added to the administrative structure through the appointment of two additional Vice-Presidents with academic responsibilities.

Physical Plant

The University's Physical Plant expansion continued at a rapid pace with 11 building projects under way during the year. Total expenditures for land, building, and installed equipment were \$11,042,966. A summary of the building programme follows:

<u>Buildings occupied during 1965-66</u>	<u>Estimated final cost</u>
Medical Sciences Building	\$5,500,000
Chemistry Building	3,115,000
Additions to the Biological and Geological Sciences Building	2,725,000
Natural Sciences Centre	1,852,000
Rehabilitation of the Physics Building	500,000

Although effective occupancy of the above buildings was achieved during 1965-66, a considerable amount of furniture and equipment was still to be installed as of June 30, 1966. Therefore, a definite final cost figure was not available at that time.

<u>Buildings under construction at June 30, 1966, scheduled for completion during 1966-67</u>	<u>Authorized cost</u>
Talbot College	\$2,970,000
Addition to Somerville House	1,786,000
Delaware Hall (Second Women's Residence)	3,900,000

Buildings under construction at
June 30, 1966, scheduled for com-
pletion during 1966-67 (continued)

Authorized cost

Alumni Hall	\$2,288,000
Addition to Stevenson Hall	793,850
Addition to University College	1,042,150

Buildings scheduled for construction
beginning in 1966-67

Estimated cost

Addition to the R. G. Ivey School of Business Administration	\$2,100,000
Greenhouse Addition	70,000
Faculty of Dentistry	8,430,000
New Library (if planning completed)	7,000,000
New Observatory	500,000
Addition to the Faculty of Engineering Science Building	4,500,000

Financing of the Capital Programme

The principal source of funds for capital construction during 1965-66 was the Province of Ontario through the Ontario Universities' Capital Aid Corporation. From this source came \$6,050,000, or approximately 70% of the capital funds receipts for the year. Funds thus received were recognized by debentures issued by the University and repayable over 30 years. The Department of University Affairs has assumed the responsibility for the repayment of capital and the interest charges to the Ontario Universities' Capital Aid Corporation.

Receipts of approximately \$1,154,822 against pledges to the Western University Fund 1963 provided another substantial source of capital funds during the year. Total donations to the Fund have now exceeded the original objective of \$7,200,000. Included in the receipts credited to the Western University Fund 1963 was \$75,000 from the City of London which was one-half the total received from the City during the year. Also included were capital grants from the Counties of Middlesex, Huron, Elgin, Lambton, Perth, Oxford and Kent.

Further capital funds were obtained by borrowing \$625,000 to June 30, 1966 from Central Mortgage and Housing Corporation to finance part of the cost of Delaware Hall, the Second Women's Residence. This was the first time that the University had used this method of financing construction, but because accommodation for students had become such a pressing need, it was necessary to follow this course.

Average Expenditure per Full-time Student

The average expenditure per full-time student has steadily increased over the past five years due to several factors, the principal ones being the higher costs associated with instruction of graduate students, the increase in salary levels, and the rapid growth of research expenditures. Comparative expenditure per full-time student is shown in the following schedule.

<u>Years ended</u> <u>June 30</u>	<u>Average Expenditure per Full-time Student</u>		
	<u>Excluding Research</u>	<u>Research Only</u>	<u>Total*</u>
1966	\$1,940	\$547	\$2,487
1965	1,732	426	2,158
1964	1,582	428	2,010
1963	1,470	412	1,882
1962	1,370	410	1,780

*Total University ordinary expenditures (excluding the Althouse College of Education).

Staff Benefits

In order to meet the heavy costs of Supplementary Retirement Annuities which will be incurred during the next decade as many long service members of staff retire, a provision has been made as in previous years for the funding through the operating accounts of a reasonable portion of the cost. As of January 1, 1966, the University's Plan of Retirement Annuities was integrated with the Canada Pension Plan. Therefore, the contribution required of members of the staff remained unchanged. Experience indicates that the University's share of the cost of annuities will increase substantially, but those who will retire in the coming years will benefit accordingly. Consideration is being given to improvements in several phases of the University's Staff Benefit Programme, and it is likely that this will lead to further cost increases.

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 operations grows. Should the reader of this report have any questions which are not answered by the figures and schedules given, it will be a pleasure to supply additional information upon request.

FACULTY OF GRADUATE STUDIES

Report of the Dean

Professor R. J. Rossiter

In his report for the year 1964-65 Professor R. A. Allen summarized the phenomenal growth of the Faculty of Graduate Studies under fifteen years of his leadership as Dean. During this time registration in the Faculty increased fourfold. Many departments instituted Ph.D. programmes, with a resulting increase in the quality of graduate work as well as in the quantity. The remarkable development of the Faculty during Professor Allen's deanship will remain a permanent tribute to his wisdom and devoted service to the University.

Early in 1966 Professor N. L. Nicholson, Senior Professor in the Department of Geography, was appointed Assistant Dean, Faculty of Graduate Studies. Professor Nicholson began his duties on July 1, 1966. He will be responsible for admissions, registration, and fellowships and scholarships.

Registration

During 1965-66 registration in the Faculty of Graduate Studies continued to increase as shown by the registration figures for the past five years.

Annual Registration

	<u>1961-62</u>	<u>1962-63</u>	<u>1963-64</u>	<u>1964-65</u>	<u>1965-66</u>
Business Administration	209	216	222	257	266
Engineering Science	-	4	13	18	21
Humanities and Social Sciences	111	141	223	332	342
Medical Sciences	27	31	48	56	64
Natural Sciences	85	115	127	185	219
Nursing	<u>12</u>	<u>10</u>	<u>10</u>	<u>10</u>	<u>9</u>
TOTAL	<u>444</u>	<u>517</u>	<u>643</u>	<u>858</u>	<u>921</u>

Registration 1965-66

The registration for 1965-66 by Departments is set out in the following table. In most Departments the figures for 1965-66 exceeded those for 1964-65. A notable feature was an increase in the number of Ph. D. candidates to 239.

Registration 1965-66

<u>Division</u>	Master's		Ph. D.		<u>Total</u>	
	<u>F. T.</u>	<u>P. T.</u>	<u>F. T.</u>	<u>P. T.</u>		
<u>Business Administration</u>	263		3		266	(257)
<u>Engineering Science</u>	11	3	3	5	22	(18)
<u>Nursing</u>	9				9	(10)
<hr/>						
<u>Humanities and Social Sciences</u>						
Classics	2				2	(4)
Economics	25	1	8		34	(26)
English	53	11	5	1	70	(75)
Geography	33	3	8	1	45	(38)
German	1	3	2		6	(6)
History	32	8	9	5	54	(59)
Philosophy	11	5	6	1	23	(23)
Physical and Health						
Education	7				7	(9)
Political Science	13	1			14	(11)
Psychology	39	2	22		64	(53)
Romance Languages	8	3	7	6	24	(27)
	224	37	67	14	343	(331)
<hr/>						
<u>Medical Sciences</u>						
Anatomy	2		5		7	(8)
Bacteriology and						
Immunology		1	3		4	(2)
Biochemistry	8		13	1	22	(15)
Biophysics	3		4		7	(6)
Medical Research	2		3		5	(4)
Pathological Chemistry	3				3	(4)
Pathology	1				1	(0)
Pharmacology	3		1		4	(7)
Physiology	9		2		11	(10)
	31	1	31	1	64	(56)

Registration 1965-66 (Continued)

<u>Division</u>	Master's		Ph. D.		<u>Total</u>
	<u>F. T.</u>	<u>P. T.</u>	<u>F. T.</u>	<u>P. T.</u>	
<u>Natural Sciences</u>					
Botany	5		10		15 (16)
Chemistry	14		53		67 (59)
Computer Science		2			2 (0)
Geology	8		6	2	16 (16)
Geophysics	6		5		11 (12)
Mathematics	23	5	9	4	41 (23)
Physics	12	1	17		30 (31)
Zoology	27		9		36 (28)
<hr/>					
	95	8	109	6	218 (185)
<hr/>					
TOTAL	633	49	213	26	922 (857)

Note: Figures in brackets refer to the year 1964-65.

Summer Registration

The Faculty of Graduate Studies now operates year-round. The academic year consists of three terms: Fall Term, Winter Term and Summer Term, beginning respectively on or about September 15, January 15 and May 15. During the summer of 1965 a total of 336 students were registered. This figure increased to 348 in the summer of 1966. These students were engaged in research projects or reading assignments. In 1966, three departments, English, Geography and Philosophy, offered graduate courses during the Summer Term.

New Programmes

New M. A. programmes in Sociology and Astronomy were approved. These programmes began in the summer of 1966 when the departments separated from Economics and Mathematics, respectively.

In September 1965 a new programme in Nursing Education, M. Sc. N. (Educ.), was instituted in addition to the programme in Nursing Administration, M. Sc. N. (Admin.).

In the early part of 1966 both the Board of Governors and the Senate approved the establishment of 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, accepted the position as the first Dean of the new school. He began his duties on July 1, 1966. In the summer of 1967 the School of Library and Information Science will accept students with a Master's degree or an Honours Bachelor's degree into a one-year programme leading to the degree of Master of Library Science (M. L. S.). A limited number of students with a General B.A. will be accepted into a Qualifying Year in September 1966. After the successful completion of the Qualifying Year students will be acceptable into the M. L. S. programme in 1967.

Computing Centre

The Board of Governors approved the Computer Advisory Committee's recommendation that the Computing Centre, as distinct from the academic Department of Computer Science and the Administrative Data Processing and Systems Development Department, be under the administration of the Faculty of Graduate Studies. This reorganization took place on July 1, 1966. The University was fortunate in obtaining the services of Mr. George Lake, formerly of the Defence Research Telecommunications Centre, Defence Research Board, as Director of the Computing Centre.

Commission to Study Development of Graduate Programmes in Ontario Universities

Members of the commission were Dr. J.W. Spinks, President, University of Saskatchewan (Chairman); Dr. G.O. Arlt, President of the Council of Graduate Schools in the United States; and Dr. F.K. Hare, Chairman of the Department of Geography, King's College, University of London (formerly Dean of Arts and Science, McGill University). The Commission visited the University on Friday, November 19, 1965, met with the Council of the Faculty of Graduate Studies, and held discussions with many Deans and Department Heads. The Dean again met with the members of the commission in Toronto in January 1966. In addition, a number of faculty members submitted briefs for consideration by the Commission.

The Commission has already submitted an interim report. The final report, which may well have far reaching effects on graduate work at this and other universities in Ontario, is awaited with interest.

Long-Term Planning

In November 1965 the Faculty of Graduate Studies elected a Committee on Long-Term Planning. The committee met on a number of occasions during the year to study possible new graduate programmes and degrees, and the possibility of establishing requirements to be satisfied by departments offering graduate programmes for the first time.

Province of Ontario Graduate Fellowships

The Department of University Affairs instituted a number of changes in the Province of Ontario Graduate Fellowship Programme. Each university was assigned a quota based on 1965-66 graduate student registration. The quota for The University of Western Ontario for 1966-67 was 180 in Humanities and Social Sciences and 60 in Science. A faculty committee was responsible for the allocation of the awards. The 1966-67 quota has been filled with applicants of high academic achievement. During the summer of 1966, 160 students held a Summer Supplement to their Fellowship.

Academic Facilities

The year 1965-66 saw an increase in the academic facilities available to graduate students. The Medical Sciences Building, the new Chemistry Building, the addition to the Biological and Geological Sciences Building, and the completion of the Natural Sciences Centre provided more accommodation for graduate students in the Medical Sciences and the Natural Sciences. The completion of Talbot College and the addition to University College in 1966-67 will provide greatly needed additional academic facilities for graduate students in the Humanities and Social Sciences.

Student Facilities

Because of the rapid increase in graduate student enrollment, the provision of study and recreational facilities for graduate students has provided a continued challenge. 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 will become available in Somerville House early in the 1966-67 academic year.

A number of matters of mutual interest to graduate students and Faculty have been the concern of the Joint Graduate Student-Faculty Committee. This Committee and a revitalized Society of Graduate Students have contributed greatly to the welfare of graduate students.

Degrees Conferred

The degrees conferred in October 1965 and June 1966 by Departments are set out below.

Degrees Conferred in October 1965 and June 1966

<u>Doctor of Philosophy</u>		32	(22)
Biochemistry	4		
Biophysics	2		
Botany	1		
Chemistry	8		
Geology	1		
Geophysics	2		
Mathematics	2		
Pharmacology	1		
Physics	3		
Physiology	1		
Psychology	2		
Zoology	5		
<u>Master of Arts</u>		91	(91)
Economics	18		
English	9		
French	4		
Geography	7		
History	14		
Latin	1		
Mathematics	8		
Mathematics and Computing	1		
Philosophy	7		
Physical Education	3		
Political Science	3		
Psychology	16		

<u>Master of Business Administration</u>	115	(118)
<u>Master of Engineering Science</u>	13	(2)
<u>Master of Science in Nursing</u>	2	(4)
<u>Master of Science</u>	27	(22)
Anatomy	2	
Biochemistry	1	
Botany	3	
Chemistry	2	
Geology	1	
Geophysics	3	
Medical Research	1	
Pathological Chemistry	1	
Pharmacology	1	
Physics	5	
Physiology	2	
Zoology	5	

Note: Figures in brackets refer to the year 1964-65.

FACULTY OF ARTS AND SCIENCE

Report of the Vice-President

Professor M.K. Inman

The Faculty of Arts and Science was reorganized, effective July 1, 1965. Under the new plan the titles of certain officials were changed and their duties and responsibilities modified. The Dean of the Faculty was designated the Vice-President (Arts and Science) and the Principals of the Colleges are to be known as Deans of their respective institutions. In one respect, however, the change in organization did not result in any far reaching alteration in function and procedure. The formerly labelled "Principals' Meeting", which was held weekly in the Dean's Office during the academic year, became the regular "Deans' Meeting" in the Office of the Vice-President (Arts and Science). During 1965-66, as in former years, the discussions at these weekly sessions proved edifying to all concerned.

In the reorganization, provision was made for the appointment of two assistants to the Vice-President (Arts and Science). As a result of inadequate office accommodation, only one assistant, Dr. John W. Davis, was appointed. I take this opportunity to pay tribute to Dr. Davis for the efficient manner in which he discharged the duties associated with this appointment. Throughout the year Dr. Davis continued to teach in the Department of Philosophy, Middlesex College, and served on numerous university committees. He acted as Secretary to the University Library Committee and on behalf of this committee wrote the brief which the President presented to the Ontario Government in support of a request for financial assistance from the Government to build a new library on this campus. Indeed, Dr. Davis's contributions to the welfare of the University have been outstanding.

Appointments and Resignations

The establishment of the College of Science as a separate entity with Dr. R. J. Uffen as its head necessitated the appointment of a new Dean of University College. Dr. M.H.M. MacKinnon was designated as Dr.

Uffen's replacement but resigned to become Dean of Wellington College, University of Guelph. His resignation left a serious gap in our academic and administrative ranks. Fortunately, the University was able to appoint as Dean of University College, Dr. A. W. Trueman, who has resigned as Director of the Canada Council. Dr. Trueman, with his sound scholarship and wide experience in administrative matters, has made a noteworthy contribution to the University in general and to University College in particular during his brief official connection with U. W. O.

When Dr. D. G. G. Kerr relinquished the deanship of Middlesex College in order to become Dean-Designate of Talbot College, Dr. R. N. Shervill was appointed to succeed Dr. Kerr at Middlesex. As anticipated, Dr. Shervill has proved to be an alert, hardworking and efficient dean.

Before officially taking up his duties at Talbot College, Dr. Kerr, who had undertaken important publishing commitments, resigned the deanship and took leave-of-absence in order that he might be able to meet the deadlines for submitting manuscripts to his publishers. Dr. Kerr played a leading role in the planning of Talbot College. It was unfortunate that he felt obliged to resign at such a crucial time in the development of the new institution. Among his many responsibilities, Dr. Kerr took an active part in the Principals' (now the Deans') weekly meetings. His presence and wise counsel were missed at these sessions during the current year.

Upon the resignation of Dr. Kerr, the Vice-President (Arts and Science) was appointed Acting Dean of Talbot College until such time as a dean was officially chosen. Dr. J. G. Rowe was subsequently appointed Dean of Talbot College. Dr. Rowe brings to the new institution proven ability in both scholastic and executive areas. During his term as Dean of Huron College, he demonstrated a forthright and vigorous approach to problems, which favourably impressed all persons with whom he came in contact. We look forward with great anticipation to the development of Talbot College (the cornerstone of which was laid on June 10, 1966, and which was opened officially on October 21, 1966) under the leadership of Dean Rowe.

I wish to record another resignation -- that of Dr. R. J. Uffen -- as Dean of the College of Science. Reference has been made in this report to the fact that Dr. Uffen relinquished the post of Dean of University College in order to accept the leadership of the College of Science. In fact, he was largely responsible for the College of Science concept. He worked tirelessly to make this dream a reality. Everyone with whom

Dr. Uffen was associated officially recognized his exceptional capacity for analyzing problems and proposing solutions. Dr. Uffen resigned to become Vice-Chairman of the National Defence Research Board. Dr. A. E. Scott has been appointed Acting Dean of the College of Science.

Another resignation regretfully accepted was that of Professor T. J. Casaubon as Director of the Trois-Pistoles Summer School. Professor Casaubon resigned to become Assistant to the Dean at Althouse College. Although his resignation became effective June 30, 1966, Professor Casaubon agreed to conduct the affairs of the Trois-Pistoles Summer School, which was in session from July 7 to August 18. As in former years, under Professor Casaubon's guidance, the French Summer School 1966 was a great success. Professor F. K. Harper has been appointed to succeed Professor Casaubon as Director of the Trois-Pistoles Summer School.

The appointment of Miss Marion F. Wood as Co-ordinator of University Theatres is an innovation. Miss Wood will be manager of the Talbot College Theatre and will assist in co-ordinating the activities of other university theatres, including the Alumni Hall theatre. Another innovation was the appointment of Dr. L. J. Metford as Director of University Language Laboratories. Dr. Metford will have general control over the operations of the three language laboratories on this campus. The headquarters of Miss Wood and of Dr. Metford will be in Talbot College.

As a result of the large number of options available to students, especially in the first year, drawing up a lecture-laboratory timetable involves a great deal of mental and physical labour. During the past two years the burden of composing the timetable has devolved upon Dr. R. L. Allen, to whom the University is deeply indebted for this invaluable work, as well as for numerous other services. In view of the size and complexity of the task in which Dr. Allen was involved, Mr. John Henry was appointed Assistant Timetable Officer. He took up his duties in January of this year. At the end of the academic year, 1965-66, Dr. Allen retired as Timetable Officer and Mr. Henry succeeded him. Because of the large list of options, especially in the General Programme, and the ever-increasing number of students, the University should re-examine its present policy with respect to "freedom of choice" and "timetable problems". The alternative of a few relatively fixed programmes (with restricted options) which could be incorporated in a permanent lecture timetable should be considered. It would be advantageous to publish such a timetable in the Arts and Science Calendar.

Another innovation was the appointment of a Secondary Schools Liaison Officer. A number of Ontario Universities have adopted a policy of keeping in contact with the high schools through the services of a full-time representative. Through this channel of communication the universities can keep the secondary school officials informed as to their academic regulations. By the same means a given university can stimulate the interest of high school students in its particular programmes. In 1965-66 this University appointed Mr. A. G. McColl, formerly Secondary Schools Superintendent of London, as Secondary Schools Liaison Officer. Mr. McColl will begin his duties in September, 1966. He will also assist Althouse College in certain aspects of its programme.

It is with deep regret that I refer to the resignation of our Admissions Officer, Mr. G. L. Amyot, who has rendered magnificent service to the University during the past three years. Members of the Admissions Committee and of the Petitions Committee will long remember Mr. Amyot's clear and concise presentation of the many cases which came to the Committees' attention. Mr. Amyot leaves us to accept the position of Registrar at the University of Ottawa.

Academic Regulations and Policy

As changes in academic regulations will be recorded in the report of the Secretary of the Senate, only brief reference to this phase of the Faculty's activities will be made here. I shall merely call attention to the new policy of exposing both the letter grade and the numerical mark on the student's transcript and yearly report. As far as I have been able to learn, revealing the actual mark has not resulted in vastly increased pressure on faculty members to "raise the mark" -- as some faculty members feared. The new system enables the student to ascertain whether he is eligible to proceed in a particular honours programme without having to consult the head of the department involved.

Affiliated Colleges

As in previous years, matters affecting both the affiliated colleges and the Arts and Science Faculty of the Constituent University have been discussed and appropriate resolutions passed at meetings of the Arts Educational Policy Committee of the Senate. With few exceptions, this Committee met each month during the academic year. Its recommendations to the Senate were generally acceptable to the latter body. Although a long-time member of the Committee, Dean W. L. Wemple of King's College (formerly Christ the King College) was missed

at the meetings, his successor, Dean E. P. LaRocque, proved to be a very alert and valuable member of the Committee.

The Arts and Science Faculty and Faculty Council

The Arts and Science Faculty held four meetings in 1965-66. (The Faculty of each College, of course, met more frequently.) During the same period the Faculty Council held monthly sessions. At the Council's meetings, the introduction of new courses and academic programmes and proposed changes in those presently in the University Calendar constituted the main, but by no means the only, items of business considered. In this connection the Council made appropriate recommendations to the Senate. As Vice-President (Arts and Science) I wish to thank all members of the Faculty for their help and co-operation in scholastic and administrative matters during this era of rapid change in academic affairs.

The Office of Information Services and University Publications

In closing this report, I wish to acknowledge the co-operation and help received from the Office of Information Services and University Publications. Its director, Mr. G. Campbell McDonald and his able assistant, Mr. Walter Borosa, took over the publication of the "Tuesday Letter" (formerly issued from the Office of the Vice-President, Arts and Science), incorporating it in the "U. W. O. News". Under the direction of the Announcement Committee, they assumed responsibility of the editing and format of the 1966-67 edition of the Arts and Science Calendar. They also volunteered to supervise the issuing of the latest version of the Handbook for New Faculty Members. For assistance in these and similar matters, I am grateful to Mr. McDonald and members of his competent staff.

UNIVERSITY COLLEGE

Report of the Dean

Professor Albert W. Trueman

The academic year 1965-66 was marked by removal of the Science Departments from University College to the College of Science. Dr. R. J. Uffen, former Dean of University College, moved with these departments to take up his duties as Dean of the new College. The move was accomplished with no more difficulty than was to be expected, and, in general, the way was cleared by the middle of September for the resumption of normal activities by the various Humanities and Social Sciences departments. The students of the College of Science, having had no opportunity to order their affairs in advance, arranged to have their representatives continue for the academic year as members of the University College Student Council. This sensible arrangement was carried out, I believe, to the satisfaction of all concerned. At the end of the year, the two Colleges acted as joint hosts to their respective graduating classes at the annual dinner in Somerville House. Thus ended a long, fruitful and pleasant association of the three disciplines under the roof of University College.

Plans have been made for the transfer of two of our departments, Classics and German, to the new Talbot College, beginning July 1, 1966. It is with natural feelings of regret that we accept the necessity of this further modification in the list of disciplines which previously have constituted University College. The one year of association which I have had with Dr. Raymond, Dr. Kalbfleisch and with their colleagues has been most pleasant. Certain members of the Department of Romance Languages will be transferred to the new department in Talbot College, beginning July 1, 1966. Representatives of the Department of English will be housed in Talbot College, but will retain their official allegiance to the department in University College. The new Department of Sociology will come into being on July 1, 1966.

Another important event was the start that was made on the construction of the new wing. This will be the second addition made to the College. When it is completed the College will have about one hundred and seventy-five offices at its disposal. Our facilities will be greatly improved by this additional space and by a language laboratory, a statistics laboratory and several much-needed lecture and seminar rooms. Unfortunately the new wing will not be ready for occupancy by the fall of 1966, the date which had been originally predicted for completion. This delay will occasion some difficulties in the housing of the faculty and supporting staff for at least the first term of the 1966-67 session, but plans have been made which will see us through the interim.

The total registration of students at University College for the year was 1,515. The total of faculty and supporting staff was 246 (see table).

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. The Department of Economics in co-operation with the School of Business presented a two-week seminar course in the International Management Programme. Similar co-operative activities were carried out by the department with the Faculty of Law. The Department of Economics also acted as host for two important conferences: 1) "Economic Stabilization Policy", sponsored by the Economic Council of Canada, 2) "Population Studies and Urban Research in Canada", organized by Professor J. Kantner, who next year becomes the head of the new Department of Sociology.

Interesting plans have been made in the Department of English in relation to the first year course, English 20. In view of the increasing numbers of students registered in this course and of the necessity of reducing the teaching loads of graduate fellows, it has been decided to abandon the conventional section arrangement, and divide English 20 (in both Colleges) into five large divisions, each under the direction of two senior faculty members, who will give lectures for two of the three hours required each week. In the third hour the large divisions (each approximately 350 members) will break up into small tutorials (ideally of not more than 15 each) which will be handled by Teaching Fellows and Instructors, who will be closely supervised by the senior faculty members. In this way, the department will reduce the teaching load of the junior members of faculty, and give the students the benefit of instruction in the lecture hours by senior professors specially qualified to deal with these large classes.

TABLE

DISTRIBUTION OF FACULTY AND STAFF - July 1, 1966

UNIVERSITY COLLEGE

Department	Senior Pros.	Profes. Profes.	Assoc. Profes.	Assist. Profes.	Lect- urers	Instruc- tors	Teaching		Tech- nicians	Secre- tarial Assist.	Others	TOTALS
							Fellows & Demonstr.	Secre- taries				
Dean's Office	-	2	-	-	-	-	-	-	1	1	-	4
Economics (U. C.)	-	6	2	5	9-1/2	1	27	2-1/2	2	4	1	60
English (T. C.)	1	5	5	7	4	7	10	-	1	1/2	-	40-1/2
	-	-	2	5	2	4-1/2	3	-	1	-	-	17-1/2
History	1	4	3	6	2	-	5	-	1	1/2	-	22-1/2
Journalism	-	1	1	1	4	-	-	-	1	-	-	8
Philosophy	1	1	3	4	1	-	5	-	1-1/2	-	-	16-1/2
P. H. R. E.	-	2	4	6	3	-	5	-	2	-	5	27
Romance Languages	-	4	2	3-1/2	2	1/2	5	-	1	1	-	19
Secretarial Science	-	1	2	1	-	2	-	-	-	-	1/2	6-1/2
Sociology	-	1	-	4	5	-	8	1	1	1/2	-	20-1/2
TOTAL	3	27	24	42-1/2	32-1/2	14-1/2	68	3-1/2	12-1/2	7-1/2	6-1/2	246

Plans are being made by the Department of Philosophy, in conjunction with the Department at Middlesex College, for a Philosophy Colloquium at Western next year. The Canada Council has made a grant of \$1,200 in support of the Colloquium, and it is hoped that several eminent philosophers from Canada, the United States, and Britain will attend.

The Department of Romance Languages arranged for visits to the campus by the Treteau de Paris theatre company and the Les Jeunes Comédiens of the Canadian Players Foundation. The department arranged the programme for the fall conference at Western of the Ontario Modern Language Teachers' Association, at which over 500 secondary school and university teachers were present.

The College was actively engaged in research during the year. It is impossible to list and discuss all the projects which were undertaken; the scope and variety of research will be at least partially reflected, however, in the list of publications given in Appendix E. Certain of the larger departments will always find it difficult to release their more junior members for research activities as long as the heavy burden of instruction continues at the "twenty" level. Reference has been made to the plans developed by the Department of English to attempt to improve this situation.

The Departments of English, History, Romance Languages and Philosophy have experienced considerable anxiety about the continuation of the system of divided departments. Each has officially expressed the view that it is time for the unification of these departments, both administratively and geographically.

During the year under review, members of the faculty received many honours and distinctions. It is a pleasure to make specific reference here to at least some of them; space forbids writing about them all.

G. L. Reuber (Head, Department of Economics) was asked to give a paper on "The Balance of Payments and Foreign Trade Problems of the Less Developed Countries" at the Conference on "Canada and the United States" sponsored by the Canadian Institute of International Affairs and the World Peace Foundation at Boston. He was also asked to take part in a Seminar on "Trade Policies for Less Developed Countries" by the American Development Council, University of Chicago. Dr. Kanter (Sociology) was asked to give papers on "The Evaluation of Family Planning Needs" at the World Population Conference in Belgrade, and on "The Place of Conventional Methods in Family Planning Programme" at the International Conference on Family Planning Programme, at Geneva.

R. J. Wonnacott (Economics) received a Canada Council short-term grant. He was asked to lecture at the University of Chicago on "Canadian - U.S. Trade Relations", and at the University of Rochester on "Reducing North American Trade Barriers". R. G. Bodkin (Economics) was asked to lecture at Wayne State University and at the State University of New York at Buffalo, and to give a paper on "Non-Linear Estimation of Aggregate Production Functions" before the Econometric Society, New York. T. J. Courchene (Economics) received a short-term grant from The Canada Council, and read a paper on "Inventories in the Canadian Manufacturing Sector" before the Econometric Society, New York.

"Morley Callaghan", a full-length study of the Canadian novelist, by A. B. Conron (English) was published during the year. W. K. Ferguson (History), returned to the campus from leave of absence. During the year he delivered the First Erasmus Lecture before the Centre for Renaissance Studies, University of Toronto, and was the President of the Renaissance Society of North America. W. Balderston (History) was promoted to the rank of full professor and appointed Acting Chairman of the Department of History for 1966-67, following the much regretted resignation of A. V. Tucker.

S. G. French (Philosophy) was asked to lecture on "The Uses of Language in Religious Contexts" at Brock University. The valued work of A. H. Johnson (Philosophy) on Whitehead was continued by the publication of "Whitehead's Philosophy of Civilization" (Arabic edition) in the Franklin Book Programs. Dr. Johnson asked to be relieved of administrative duties, beginning 1965. His place as Head of the Department of Philosophy was taken by Joseph Margolis. During the year Professor Margolis achieved an impressive list of publications, i. e., several articles in learned journals, and two books: The Language of Art and Art Criticism: Analytic Questions in Aesthetics (Wayne State University Press, 1965), and Psychotherapy and Morality: a Study of Two Concepts (Random House, 1966). He also took part in Symposia and Colloquia at the University of Toronto, Queen's University, and the American Philosophical Association (Eastern Branch) meeting in New York.

R. B. Eynon (Physical and Health Education) was the first recipient of the Intercollegiate Swimming Coach Award. G. A. Leyshon was the Coach for the Canadian National Team at the World Wrestling Championships, Toledo, U. S. A. W. J. L'Heureux (Head of the Department of Physical and Health Education) was appointed a member of the National Advisory Council of Fitness and Amateur Sport (Department of National Health and Welfare); he was also Consultant to the Dalhousie

University Senate Committee on the Physical Education Curriculum, and to the University of Calgary Physical Education Council for the Physical Education Curriculum. M. C. Yuhasz (Physical and Health Education) was Vice-President, Physical Education of C. A. H. P. E. R.

An extremely timely and useful grant of \$5,000 from The Canada Council was received by the Department of Romance Languages for the purpose of increasing library holdings in French. Jack Warwick (Romance Languages) was awarded a senior fellowship by The Canada Council, which will enable him to be away on leave of absence during 1966-67 for research in Paris. R. L. Torrens (Head of the Department of Romance Languages) has been Examiner-in-Chief in French authors for the Ontario Department of Education.

M. H. Gillespie (Head of the Department of Secretarial Science) was made an Honorary Member of the National Secretaries Association (International). J. L. Wild (Head of the Department of Journalism) was on the Executive Committee of the Press Institute of Canada and of the Professional Photographers' of Canada, Short Course. He was also Consultant and Lecturer for the Saskatchewan Teachers' Federation High School Editors' Workshop.

I wish to express my warm thanks to all members of the Faculty of University College. My first year as Dean has been made much easier and smoother than I could reasonably have expected it to be, largely because of the welcome that was given me, and the willing co-operation of the faculty members in all the operations of the College. The Nominating Committee, by resolution of the faculty, assumed the additional role of Advisory Committee on College affairs. As an ex-officio member of the Committee, I attended meetings whenever I thought it expedient to do so, and stayed away when I felt that my presence was unnecessary, or my absence wise. I wish to thank the Committee for its quick response to requests from me, and for the care and efficiency with which it has handled all the business placed in its hands. I particularly wish to thank the Committee for reviewing submissions from faculty members on the subject of Senate Reform and for putting together a report which was readily accepted by the faculty as a whole and was a credit to the College.

I must also refer with gratitude and pleasure to my association with the College Students' Council. The Prefect, Mr. Douglas Morrison, and the sub-Prefect, Miss Joyce Legge, discharged their duties with zeal, efficiency and tact. It was not only a pleasure but a great advantage to me to have the opportunity of consulting them about student affairs, and of working with them as occasions arose. Within

the limits of what is possible, I consider that the student organization made an excellent contribution to the life of the campus. Furthermore, my association, limited though it had to be, with various other members of the student body, particularly with my class in English 34, was a constant source of pleasure and inspiration. My cordial thanks to them all.

My final word of thanks must be to the Assistant Dean, Dr. R. L. Allen. It is impossible for me to give adequate expression of my obligation to him for his work throughout the year. In addition to giving me, repeatedly and at my request, the most valuable information and advice about the University as a whole and about the College, he cheerfully assumed a heavy load of detailed administrative responsibility which would have "swamped" me, had it been necessary for me to undertake it, and would not have been done as skillfully and well. I, with all other members of the University community, am delighted by the action of the Senate in conferring on him an honorary doctorate during the year. No one could deserve the honour more.

MIDDLESEX COLLEGE

Report of the Dean

Professor R. N. Shervill

During the academic year 1965-66, Middlesex College reached the limits of its physical capacity with a total undergraduate and graduate enrollment of 1,573, a full-time faculty of 92 and a part-time faculty of 14. All regular offices were occupied and an additional seventeen temporary offices were built in the Examination Hall to accommodate new staff appointments. Before the opening of Talbot College, all College facilities were heavily taxed. Classroom and laboratory usage reached an exceptional 65%, while the Library and Food Service facilities were continually overcrowded.

The most serious College problems continue to be in connection with those departments requiring laboratory space. The increasing demands for space made necessary by rapidly expanding honours and graduate programmes along with a substantially greater degree of specialization within disciplines require an immediate short-term solution and a well-defined plan of expansion and development in the long term. Neither of these aims can be achieved until a university-wide priority system is instituted. Independent departmental development without an over view provided by an active Senate has created and will continue to create serious space problems in this and other Colleges of the University.

I record with grave concern the development of mass teaching techniques in many Freshman and Senior Pass courses. This concern is not based on academic grounds, but on the fact that such methods are adopted without due regard for the physical facilities available. Rapid changes in methods of instruction without adequate space planning is creating major dislocation of other important activities within the major auditoria of this and other Colleges.

I am happy to record that the Department of Geography, under the experienced leadership of Professor E. G. Pleva, has maintained and augmented its excellent reputation throughout North America and abroad.

With the appointment of Professor A.K. Philbrick the Department has acquired an outstanding scholar in the field of Great Lakes and related research. With an expanded faculty, and with additional laboratory space now in view, the Department will be in a position to accept broader responsibilities in both the honours and graduate programmes.

Plans for the expansion of the Geography Department to occupy the entire third floor of Middlesex College were developed and carried out during the year. The establishment of the permanent map collections has been a signal achievement. The experimental station on Lake Erie was established and an active research programme was begun.

The Department of Psychology under the devoted leadership of Dr. Mary J. Wright has achieved nation wide recognition during the year. In spite of limited space, the Department has developed its experimental and learning programmes to the point where some 70 full-time graduate students are actively engaged in research. The most gratifying development in the Department has been the acknowledgement of federal and provincial granting bodies of the quality of faculty research in the department. From a modest beginning in 1964-65, research grants-in-aid have risen to the impressive sum of \$100,000 in this academic year. A comprehensive list of awards and research grants-in-aid is to be found elsewhere in this Report.

In all departments of Middlesex College, the most pressing problem remains the retention and recruitment of faculty. Our problems in these areas are accentuated by the active programmes of recruitment throughout North America and more especially by the urgent needs of the newer colleges and universities in Ontario. Attractive salaries alone will not solve these problems. Even more important factors seem to be the availability of adequate laboratory space, summer supplements, a clear policy of study leave and the opportunity to pursue research with minimal teaching loads and administrative responsibilities. The burden of staffing borne primarily by Department Heads is extremely heavy. Their efforts are deeply appreciated.

The Visiting Professor programme instituted in this college by Professor D. G. G. Kerr and supported by the University funds has been an invaluable source of enrichment to both honours and graduate programmes. It has also materially assisted in recruiting efforts and in the placement of our graduating students in other outstanding graduate departments in Canada and abroad.

It is a pleasure to record that the faculty of Middlesex College has continued its energetic interest in research. 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 University funds in the form of relative small "pump-primer" grants, which in turn have made possible the acquisition of major grants from outside agencies.

Of special note are the several full-length books published by members of the Middlesex College faculty during the year: Professor C. F. Klinck's Canadian Anthology, revised and enlarged, co-edited by R. E. Watters; The Boundaries of Canada, Its Provinces and Territories by Professor N. L. Nicholson; A Historical Atlas of Canada, revised by Professor D. G. G. Kerr; the much acclaimed The Wars of the Roses by Professor J. R. Lander; Burlington Route -- A History of the Burlington Lines, an outstanding business history work by Professor R. C. Overton; Canadian-American Relations by Professor Mason Wade; Leibnitz: Monadology and Other Philosophical Essays by Paul and Anne Schrecker; and Data Book of Basic Information -- Niagara Region Local Government by Professor H. B. Mayo. Also commendable is the new series of Psychological Research Bulletins published by members of the graduate faculty in Psychology and which this year numbered 22. Each bulletin is a specialized scholarly article prepared as a pre-publication work often in collaboration with graduate students. The response across Canada and the United States to this series has been gratifying and underlines the developing quality of the graduate programme in Psychology.

During the year, two major interdisciplinary groups have centred their activities in the College, the North-American Studies Group under the Chairmanship of Professor C. F. Klinck, and the Latin-American Studies Group under the leadership of Professor N. A. Nicholson. Professor Mason Wade, a member of the former group, has been honoured by being given the task of organizing the Canadian Historical Association Centennial Seminar Series. The latter group received recognition from the Canada Council in the form of a major library acquisition grant to strengthen the graduate section of Latin-American Studies. Both groups are planning specific interdisciplinary projects for 1966 and are confident of the necessary outside support for expansion of their activities.

Members of the faculty of Middlesex College continued to exert great influence on our intellectual and community affairs through active participation in many learned, professional and public bodies. Of particular note are the following items.

Dr. P. A. Angeles was Guest Lecturer at Albert Schweitzer College, Switzerland in the Spring of 1966; Professor Eric Beecroft was elected Chairman, Canadian Council on Urban and Regional Research and continued to serve as Canadian representative on the Board of Governors of the International Federation for Housing and Planning, as consultant to the Canadian Broadcasting Corporation and the Canadian Institute on Public Affairs and as a member of the Board of Directors of the Canadian Centre for Community Studies; Professor R. E. Butts was appointed Associate Editor of the Bucknell Review and was Chairman of the Colloquium on Philosophy of Logic at the Canada Philosophical Association Meetings, Sherbrooke, 1966; Professor P. D. Fleck was Chairman of the University Undergraduate Lecture Series Committee; Dr. A. M. J. Hyatt was appointed Chairman of the Penetanguishene Military and Naval Establishment Sub-Committee of the Huronia Historical Development Council; Professor D. N. Jackson served as a member of the Board of Editors, Multivariate Behavioural Research and as a Consultant to the Research Division, Educational Testing Service, Princeton; Professor D. G. G. Kerr served as Chairman of the Nuffield Fellowship Selection Committee, and continued as Editor of the "Century of Canada Series"; Professor C. F. Klinck was appointed Chairman of the Committee on Co-ordination of Academic Library Services and received a signal honour from Waterloo Lutheran University as "Alumnus of the Year"; Dr. R. M. Knights was appointed Canadian representative for the International Neuropsychology Association; Professor H. B. Mayo was appointed Chief Commissioner, Niagara Region Local Government Review; Professor G. J. Mogenson was appointed Regional Editor (Canada) of "Physiology and Behaviour"; Professor Mason Wade was Past President and member of the Council of the Canadian Historical Association; Professor M. J. Wright was elected First Vice-President of the Ontario Committee on Children; Professor M. Zaslow was appointed President of the Ontario Historical Society and continued as General Editor of the "Issues of Canadian History" Series, and as Honorary Editor of the General Series, The Champlain Society. Professor Zaslow continued as Director of Planning, Research and writing of the official history of the Geological Survey of Canada from 1842 to the present day.

In close co-operation with the Middlesex College Student Council and with the enthusiastic support of the faculty, the Freshman Advisor Plan was instituted last Fall. Each Freshman in the College was assigned a member of faculty to whom he might turn on a referral basis for assistance in his academic, health and other problems. The initial success of the plan was due to the continuing assistance of the Deans of Men and Women, Dr. H. J. Thurlow, the Health Service, the Awards and Housing Officers, to all of whom we acknowledge our gratitude.

Special thanks is given the Heads and members of Faculty in the Departments of Philosophy, Political Science and Russian Studies. Each of these departments, which leave this College on June 30, 1966, has made remarkable progress during the year. Our best wishes for continued success go with them.

At the conclusion of my first year as Dean of Middlesex College, I express a debt of gratitude to the President and to other Officers of the University for their profound and critical understanding of the College's needs, and to all members of the College Faculty and the Middlesex College Student Council for their loyal, energetic support.

THE COLLEGE OF SCIENCE

Report of the Assistant Dean

Professor G. H. Reavely

The New College in Review

This is the first annual report of a new academic and administrative unit of the University -- the College of Science, which was created by action of the Board of Governors on October 10, 1964, and became effective July 1, 1965.

Eight departments, involving approximately 115 faculty together with supporting staff, were removed from University College of Arts and Science to form the new College and by the effective date of its institution, the College had already grown to nine departments with a faculty of 135 for the year under consideration. To this was added the non-academic department of Technical Services with its staff of eight. With the further addition of a large number of teaching fellows and demonstrators, the College became in 1965-66 not only the largest single unit within the Arts and Science Faculty, but also within the University, both in full-time faculty and in operating budget.

Another concept which had its first full year of application involved the change from Principals of Colleges to Deans. This was in accordance with the reorganization of the whole University announced early in 1965.

Among several noteworthy events during the year, the ceremonies marking the opening of the new College stand out. These consisted of a symposium of two half days' duration, together with an official opening and dedication ceremony and a dinner for the College faculty and many other guests. An additional important event was the conferring of Honorary Degrees at the autumn convocation on R. L. Allen and J. W. Burns, long-time professors in Physics and Chemistry respectively. At the same convocation, an Honorary Degree was bestowed on the Honourable William Davis, Minister of Education for the Province of Ontario, who also officially opened the College of Science. These events took place on October 28 and 29, 1965.

An event of interest to the whole University and especially to the College was the resignation in late December of Dr. Robert J. Uffen, the first Dean of the College. Dr. Uffen, formerly Principal of University College and a faculty member for fifteen years, resigned to become Vice-Chairman of the Defence Research Board of Canada. He is greatly missed throughout the College and the University.

The new College moved quickly to set up its own administrative bodies. By September 1965, an organizational scheme had been formulated and agreed upon. In outline, the scheme, which remained unchanged during the year, consists of:

1. The College of Science Faculty, which sends ex officio and elected representatives to the Council of the Faculty of Arts and Science;
2. The Council of the College of Science, responsible to the Faculty; and
3. An Administrative Committee of the College of Science, consisting of ex officio members and faculty-elected representatives.

In the first year, this system has operated well. During the year there were three meetings of the Administrative Committee, two of the Faculty, and six of the Council. Several proposals for increased operating and administrative efficiency were introduced during this period. Two of these have been shown to have broader significance and application and are currently under study by the appropriate committees.

The first of these is the establishment of categories, job descriptions, and salary scales for all supporting staff throughout the University. Late in 1964-65, the Assistant Principal of University College began a study of these areas throughout the Natural Sciences, because of existing disparities. These findings, placed before the Administrative Committee in December 1965, resulted eventually in the University wide study. As a result of this study, a grading scheme with appropriate salary scales is being implemented.

The second venture during the year was the introduction of a proposal for a three-year B.Sc. Degree programme. This programme was approved for implementation in 1967 by the Senate at its December 1966 meeting.

For many years one or two of the Natural Science departments held small award ceremonies on the morning of the spring convocation. These

served to bring parents and friends of graduating students in contact with members of faculty. Following a suggestion by Dr. Magee, Head of the Department of Mathematics, Dean Uffen arranged a prize day for the whole College which was held in the Natural Science Centre on the morning of May 26, 1966. At this Awards Ceremony 16 medals, prizes and merit awards were made to graduating students in Science. The faculty made a presentation to Dean Uffen in recognition of his services to University College and to the College of Science.

Although the College of Science became a teaching and research unit at the beginning of the new academic year, a period of chaos ensued during the first term. Due to building delays, the laboratories could not be completed on time. Indeed the Natural Sciences Centre was not occupied fully until February 1966, and work continued in various quarters until the end of the year under review.

Before completion of the Natural Sciences Centre, it became apparent that, if the best instructional use was to be made of the large lecture theatres in that building, closed circuit television would be necessary. Accordingly, plans were laid, equipment purchased, and arrangements made for the introduction of television within the College. Eight sections of the Mathematics 24 course are currently taught using videotape with monitors in the Biological-Geological Sciences building controlled from the Natural Sciences Centre.

Despite the occupation of the new buildings, however, there still exists an acute lack of space due to the burgeoning enrollment. It is clear that future expansion of the College is not a matter to be deferred but one which must be actively pursued if the incipient pressure on space is to be relieved and the continued growth of the College of Science assured.

Changes in Staff

There were many changes in both faculty and supporting staff during the year. The number of technicians was greatly increased during 1965-66. There was an increase in the Natural Sciences from 37 to 50, or 35%. For many years the ratio of technicians to full-time staff had been extremely low. If we add the number of research assistants to the 50 technicians, the ratio is still 1:4. The continuance of the trend will improve the situation and must take place, if research is to flourish.

Changes in faculty personnel during the year are discussed by Departments in the following paragraphs and Table 1 portrays these numerically. Table 2 presents the distribution of supporting staff.

TABLE 1

COLLEGE OF SCIENCE

CHANGES IN FACULTY DURING 1965-66

<u>Department</u>	<u>New Faculty Appointments</u>	<u>Unfilled Appointments During Year</u>	<u>Promotions All levels</u>	<u>Terminations</u>	<u>Total Faculty Excluding Honorary</u>
Botany	3	1	2	-	13
Chemistry	3	-	4	1	24
Computer Science	1	3	2	1	7
Geology	1	1	1	-	11
Geophysics	2	1	1	-	5
Mathematics and Astronomy	5	1	8	7	31
Physics	3	3	5	-	22
Zoology	1	-	-	-	12
TOTALS	19	10	23	9	125

48

TABLE 2

COLLEGE OF SCIENCE

DISTRIBUTION OF SUPPORTING STAFF DURING 1965-66

<u>Department</u>	<u>Office Assistants</u>	<u>Technicians</u>	<u>Research Assistants and Postdoctoral Fellows</u>	<u>Demonstrators and/or Teaching Fellows</u>	<u>Others</u>	<u>Totals</u>
College of Science General	2	-	-	-	-	2
Botany	2	7	4	13	6	32
Chemistry	6	8	-	31	3	48
Computer Science	2	-	2	5	4	13
Geology	2	5	-	12	-	19
Geophysics	1	3	1	2	-	7
Mathematics and Astronomy	4	1	-	10	-	15
Physics	4	14	2	16	2	38
Zoology	2	6	-	14	2	24
Technical Services	1	6	-	-	Director	8
TOTALS	26	50	9	103	18	206

In the Botany Department, Dr. B. G. Cumming became a full Professor and Dr. C. E. Caten and Dr. L. Orloci joined as Assistant Professors. Dr. S. B. Hirst, Dr. P. S. Ramakrishnan, and Dr. K. Zachariah joined as Postdoctoral Fellows.

In the Department of Chemistry, there were three new faculty appointments, two Senior Professors, Dr. H. C. Clark and Dr. P. W. M. Jacobs, and one Sessional Lecturer, Mrs. C. P. Demas. There were four faculty promotions. During the year, Dr. F. L. M. Pattison, Head of the Department, resigned to become a full-time medical student and Dr. A. E. Scott was appointed in his stead. Eleven Postdoctoral Fellows served in the Department during the year.

Dr. Gerhard Beckhoff was appointed as Lecturer in the Computer Science Department and Dr. S. Takasu terminated his appointment as Associate Professor.

The Geology Department added one Assistant Professor, Dr. J. Starkey, to its faculty.

During Dr. Beck's absence from the Department of Geophysics during November 1965, Dr. C. M. Carmichael served as Acting Head. Dr. H. Takahashi of Iwate University, Japan, served as Visiting Associate Professor, and Dr. L. Mansinha joined the Department as Lecturer.

Five new full- and part-time additions were made to the Mathematics and Astronomy faculty. These were:

Dr. J. T. Moore, Professor
 Dr. D. E. Smylie, Assistant Professor (a transfer
 from Geophysics)
 Dr. N. P. Cac, Lecturer
 Mr. G. Horrocks, Lecturer (part-time)
 Dr. A. S. Wehlau, Lecturer (part-time)

Dr. M. Schlesinger joined the Physics Department as Assistant Professor. Dr. Jean Lewis, who later became Mrs. Richards, and Mrs. M. Snyder joined as Lecturers. Dr. V. Sochor was added as Postdoctoral Fellow with Professor Brannen, and Dr. Keikichi Naito terminated his post as Postdoctoral Fellow to Professor Hay. The resignation of Professor E. H. Tull, after nearly 20 years with the University, was received with regret.

The Zoology Department reported no terminations from faculty, but Dr. W. N. Holsworth was appointed as Assistant Professor.

Research

It is always not only of interest, but of value, to compare the work of research with that of instruction. One yardstick which may be used is that of the dollars spent. This never tells the whole story because there is also a great amount of dedication and scholarship involved. An impressive number of research papers and articles has been published during the year. Eight departments submitted a total of 217 publications.

For the nine departments of the College the total direct instructional expenditures amounted to \$2,764,997. This compares with \$2,124,217 for the previous year -- an increase of approximately 30.5%. Comparing the total funds expended on research, which is derived mainly from grants and contracts, the total in 1964-65 was \$811,151, whereas in 1965-66, the year under review, the expenditures amounted to \$1,238,454. This represents an increase of 52.5%. It is interesting to note that the total of these research funds from all sources represents approximately 44.5% of the total instructional expenditures. Table 3 gives a breakdown of these figures by departments across the whole College.

Research continues to increase as it has during the past two years. This is evidenced by the number of publications and in the total amount and number of grants, as well as by the increased number of graduate students.

TABLE 3

COLLEGE OF SCIENCE

DIRECT INSTRUCTIONAL, RESEARCH GRANT AND CONTRACT EXPENDITURES 1965-66

<u>Department</u>	<u>Direct Instructional Expenditures</u>	<u>Expenditures resulting from Research Grants, etc.</u>
College of Science -- General	\$ 179,313	Included in grants below
Astronomy	68,110	Included in Mathematics
Botany	361,979	\$ 77,000
Chemistry	495,950	313,236
Computer Science (including rental grant)	129,040	83,500
Geology	269,465	102,480
Geophysics	99,225	75,500
Mathematics	385,425	135,243
Physics	399,075	310,000
Zoology	333,290	141,495
TOTALS	\$2,720,872	\$1,238,454

TALBOT COLLEGE

Report of the Acting Dean

Professor M. K. Inman

The cornerstone of Talbot College was laid on June 10, 1966 by Colonel D. B. Weldon, assisted by Acting Dean M. K. Inman. President G. E. Hall presided at the ceremony. The Right Reverend A. P. Mahoney gave the invocation and the Reverend Anne P. Graham pronounced the benediction.

The following subjects will be taught at Talbot College during the academic year 1966-67: Classics, English, German, Philosophy, Political Science, Romance Languages, and Russian.

A special feature of Talbot College is the Theatre, designed basically for teaching the performing arts. The Theatre has a capacity of approximately 400 persons and is modern in every respect. It is anticipated that Talbot College Theatre will become one of the chief centres of cultural activity on the campus.

Talbot College, with Dr. J. G. Rowe as Dean, will be available for classes in September and will be opened officially on October 21, 1966. It will have an initial faculty of 70 members. The anticipated enrollment in the first year is 500.

COLLEGE OF MUSIC

Report of the Dean

Professor Clifford von Kuster

The academic year 1965-66 has been a very significant one in the development of the College of Music. Student enrollment increased by approximately 30% to a total of 113 music "majors" with another 55 Arts and Science students registered in credit music courses. Over 80% were enrolled in honours courses. Two Ontario Scholars were admitted to the College this season.

The great increase in enrollment, which makes the College of Music the fourth largest music school in Canada, has taxed our physical facilities to the utmost and the members of the faculty have hastened their planning for a new building. A brief outlining our future plans and building requirements has been presented to the Administration and is now in the hands of the University Development Committee. The distance separating us from the main campus, as well as the growing complexity of timetabling lectures, makes it impractical to consider further development in our present quarters. It has been recommended, therefore, that the College of Music be relocated on campus as soon as possible.

Three members of the faculty (Professors McKellar, Woodburn and von Kuster) attended the Conference on Music in Ontario which was called by the Honourable W. Davis, Provincial Minister of Education, and took place at Geneva Park in April. One hundred and twenty invited delegates representing musical activity at all levels scrutinized music in this province under five headings: music in elementary schools; secondary schools; the universities; the community; and the professional musician. It was agreed that a completely revised and continuing programme of music education from kindergarten to university and beyond must be devised and implemented if music is to assume the vital role which it, and other arts, should play in the society of the future. Universities will be expected to assume a major responsibility in this process and to this end the following recommendations were made:

1. That each of the universities in Ontario develop music departments;
2. That existing university music departments be expanded;
3. That all school music teachers be university trained;
4. That extramural courses in music be offered to assist music teachers already in the field to improve their qualifications;
5. That the universities accept the role of leadership in the development of music in the community through extramural, extension courses, workshops and special music projects; and
6. That universities be assisted in bringing visiting lecturers in music, performers and resident composers to the campus.

The implications which the above recommendations hold for the College of Music have been recognized by the faculty and taken into account in their planning.

Eight members of the faculty attended the annual meetings of the Canadian Association of University Schools of Music which were held with the learned societies in Sherbrooke, Quebec, in June. During the sessions Professor McKellar contributed to a joint report on Music Education and Dean von Kuster was appointed chairman of a national committee set up to promote the exchange of performing groups between Canadian universities.



A Collegium ensemble performance

The Dean of the College was also invited to attend the annual meeting of the Canadian Music Council which met in Ottawa in February.

Collegium Musicum concerts and student and faculty recitals totalled 24 this year. As in former years many rarely heard compositions were performed, some for the first time in Canada. Among these are Hindemith's "Die Serenadem" for soprano, cello, viola and oboe, songs

of Dallapiccola and Alban Berg and the "Poem" for organ and viola of Leo Sowerby.

The University of Western Ontario Concert Band under the direction of Professor McKellar performed for Fall Convocation and was featured in a full concert in Thames Hall by the Nine O'Clock Committee. The Concert Band has been invited to perform in Montreal next year at Expo '67.



The U. W. O. concert band

The University of Western Ontario Orchestra conducted by Dr. Peter S. Odegard presented two concerts at the College and appeared with the newly formed College of Music Choral Ensemble (Professor Dawson Woodburn, conductor) in a joint performance of choral and orchestral works at Althouse College.



The choral ensemble

Renfrew, Sudbury and Sarnia. He contributed five articles to The Recorder, the official journal of the O. M. E. A., which appeared under the following titles:

1. "The Role of the OMEA is Helping School Music Teachers";
2. "Problems in Ontario School Music Programmes";
3. "The Attitude of the Music Teacher Toward his Work, Students and the Community";

Faculty members of the College of Music continue to contribute to the activities of many provincial and national musical organizations and are in considerable demand as performers, speakers and adjudicators, as the following resume of these activities will show.

Professor Donald McKellar served as President of the Ontario Music Educators' Association this year. In this capacity he organized workshops for school music teachers in Toronto,

4. "The Quality of Music Literature for the School Music Classroom"; and
5. "The Future of Music in Ontario as Shown in the Couchiching Conference".

Professor McKellar is also a member of the Senate and serves as chairman of the music section of the Ontario Educational Association. He appeared as an adjudicator at the Sarnia Music Festival, directed the music for the London Little Theatre's productions of "West Side Story" and "Mother Courage" as well as a series of 14 programmes of choral music for CFPL-TV.

Professor John McIntosh was chairman of the Royal Canadian College of Organists, London centre, this year. He served as faculty advisor to the University of Western Ontario Sunday Nine O'Clock Committee. His appearances as organ recitalist included a lecture-recital at the College on the subject of the "Baroque Organ Concerto", a faculty recital in Aeolian Hall, a recital in Wesley United Church, London, and a programme dedicating a new organ in St. George's Anglican Church, Oshawa. He also served as organist for Spring Convocation.

Professor Alfred Rose again conducted the University Choir which appeared in concert in Thames Hall as part of the Sunday Nine O'Clock series in December. He organized and acted as piano accompanist for a programme of "Romantic Songs" at the College of Music. In March he shared with Professor McKellar the duties of conducting the orchestra which accompanied ten student soloists in the annual Concerto Concert sponsored by the Sunday Nine O'Clock series.

Professor Earle Terry conducted the Conservatory Choir in a concert at Althouse College at first performances in London of the Cherubini "Mass" and the "Song of the Open Road" by Della Joio. His duties as adjudicator and choral workshop director took him to Calgary, Charlottetown and Niagara Falls. He is co-author of a new series of Music Education textbooks for the Canadian Elementary Schools. Last December he was the conductor of a C. B. C. television concert integrating children's art. He serves as Canadian chairman of the American Choral Directors' Association.

Dr. Peter S. Odegard, one of two composers on the College of Music faculty this year, attended public performances of his compositions at Rutgers University and New York University. The University of Western Ontario Concert Band has commissioned a new work by him to be performed next season. Doctor Odegard, who was also conductor

of the University of Western Ontario Orchestra, appeared in recital in Aeolian Hall as a violist. It is with regret that I announce that Doctor Odegard leaves to accept a post at the University of California.

Professor Peter Clements composed special "Fanfares" for the opening ceremony of Alumni Hall. The music was performed by a brass quartet under the direction of Professor McKellar.

Professor Paul Green, as immediate Past President of the Ontario Music Educators' Association, served as a member of the Senate of the Ontario Educational Association. His article, "The Need for a Philosophy in Music Education" was published in the September-October issue of Recorder. Professor Green has been chairman of the Instrumental Music Curriculum Revision Committee (Senior Division) of the Department of Education. During the year this committee completed a new course for use in the secondary schools in Ontario. He was also invited to act as adjudicator at the Rotary Music Festival in Cornerbrook, Newfoundland, and appeared as conductor in concerts in Woodstock and Toronto.

Professor Robert Skelton was appointed Concert Master of the London Symphony Orchestra last September and served as guest conductor on one occasion during the season. His appearances as violin recitalist included a Sonata recital in October for the London Chamber Music Society, chamber music programmes in Strathroy and London in April and a Faculty Chamber Music recital with Betty Tracy and Clifford von Kuster at the College of Music in January.

James Weaver and Gwyn Beynon, both third year students in the Honours Music Education programme, were chosen to perform in the National Youth Orchestra and are scheduled to tour Europe with the orchestra this summer.

HEALTH SCIENCES

Report of the Vice-President

Dr. O. H. Warwick

Administrative changes arising from action of the Board of Governors last year have now been brought into effect. Dr. Douglas Bocking, a specialist in Internal Medicine and a graduate of this Faculty of Medicine in 1943, became Dean of Medicine December 1, 1965, the same date on which Dr. O. H. Warwick took office as Vice-President (Health Sciences). In this newly established position, the Vice-President (Health Sciences) will be responsible to the President for the Faculties of Medicine and Dentistry, the School of Nursing, Student Health Service, co-ordination of teaching within our affiliated teaching hospitals, and liaison with government. This arrangement, it is hoped, will facilitate close co-operation between all groups having common interests in the development of academic programmes in the Health Sciences.

In 1910 Abraham Flexner reported on shortcomings in American medical education and recommended that Schools of Medicine should become more closely integrated with their parent universities. In the summer of 1965, our own achievements in this regard culminated in the move of the Basic Medical Science Departments and administrative offices of the Faculty of Medicine into the Medical Sciences Building on the University campus. The Faculty of Medicine is now situated where it should be, in a university setting next to its colleagues in the Faculty of Arts and Science, and in the same building with its colleagues in the School of Nursing and the Cancer Research Laboratory.

But this is only the beginning, for in two years' time our "house" will be large enough to accommodate a full Faculty of Dentistry -- and in four years' time, hopefully will include the University Hospital with its clinical science facilities and staff, thus completing the basic elements of our Health Sciences Centre.

Dean Dunn deserves the greatest credit for having brought to fruition the many hours of planning the Dental Sciences Building. With the close of the academic year the building was out to tender. The first

two professors of clinical dentistry have been appointed and we welcome them. We welcome also the pilot class of eight students who will register in Dentistry in the autumn of 1966.

Of major concern to the School of Nursing has been the planning of the new B.Sc. (N.) programme, which will be completely under its control. New staff must be recruited and plans made for enlargement of the School of Nursing. The Board of Governors has approved in principle expansion of present facilities by 30,000 gross square feet.

Planning for the University Hospital has been quietly proceeding for over two years and is now at the stage where preliminary plans are about 95% complete. We are grateful to the London Health Association for their efforts in this co-operative venture and wish to record our special thanks for their many hours of work to Mr. J. H. Stevens, President of the Association, and to Mr. V. P. Cronyn, and Mr. W. J. Blackburn, who have in turn served as Chairman of the Planning Committee. The tireless efforts of the Faculty of Medicine's Policy and Co-ordinating Committees, chaired by Dr. A. D. McLachlin and Dr. Charles Dyson, respectively, are also acknowledged.

Reference is also made to another matter of special concern to the Health Sciences at this time of rapid physical development. Government funds for physical plant and operational costs of the Health Sciences come from two departments of the government, the Department of University Affairs and the Department of Health. The Ontario Hospital Services Commission, as an arm of the Department of Health, also has a major role. In order to co-ordinate planning at the government level, a Senior Co-ordinating Committee has been established, whose members are the Deputy Minister of Health as Chairman, the Deputy Minister of University Affairs, and the Chairman of the Ontario Hospital Services Commission. Meetings with this Committee have been and will continue to be most useful in sorting out the many problems which face the four universities in this province having major Health Science facilities.

Finally, I would like to express my appreciation to the Deans of Medicine, Dentistry, and Nursing and to the Directors of our affiliated teaching hospitals for the fine spirit of co-operation so evident in all our mutual undertakings.

FACULTY OF MEDICINE

Report of the Dean

Dr. D. Bocking

During the academic year 1965-66, changes in the administrative arrangements for the Health Sciences were effected. The Faculty of Medicine welcomes the increased co-operation made possible by this new development. Dr. O. H. Warwick, Dean of the Faculty of Medicine since 1961, assumed the newly created post of Vice-President (Health Sciences) on July 1, 1965, and on December 1, 1965 Dr. D. Bocking was appointed Dean of the Faculty of Medicine.

The deaths of two senior members of faculty are recorded with sincere regret. Dr. V. A. Callaghan died suddenly on July 4, 1965. He was Clinical Associate Professor in the Department of Surgery and Surgeon-in-Chief at St. Joseph's Hospital, London. Dr. Callaghan gave many years of devoted service to St. Joseph's Hospital and is sadly missed by his patients and the undergraduate and graduate medical students, attending staff, and the Sisters and nurses of the hospital. Dr. G. R. Collyer, a member of the Department of Medicine for many years and Medical Director of the London Life Insurance Company, died on May 31, 1966. Dr. Collyer, father of two physicians, was a true physician and friend to his patients and highly respected by his colleagues in the medical and insurance communities. The death on February 17, 1966 of Dr. F. C. Ferguson, a member of the Department of Anaesthesia from 1925 to 1955, is also recorded with regret.

Personnel

Several major staff changes occurred during the year. Professor F. S. Brien requested that he be relieved as Head of the Department of Medicine in order that a younger person might be involved in the planning for the new University Hospital. The appreciation of this Faculty to Dr. Brien for over 20 years of devoted service to the University as Head of the Department of Medicine is recorded. Professor Brien will continue his teaching and clinical responsibilities as Chief of Medicine at

Victoria Hospital. The appointment of Dr. Ramsay W. Gunton as successor to Dr. Brien on July 1, 1966 was announced. Dr. Gunton is a gold medallist of this Faculty, former captain of the Mustang football team, and Rhodes Scholar. The Faculty is indebted to the Richard Ivey Foundation for the creation of a new chair for the Richard Ivey Professor and Head of Medicine. Dr. Gunton will be the first incumbent. Professor A. C. von Hochstetter's resignation from the Department of Anatomy became effective on June 30, 1966. Dr. von Hochstetter whose presence will be missed by staff and students alike has accepted a post in Anatomy in Austria. Dr. C. C. Ross, Clinical Associate Professor of Surgery, and Chief of Surgery at Westminster Hospital, resigned from this post on June 30, 1966, after many years of devoted service. Dr. D. W. B. Johnston succeeded Dr. Ross as Chief of Surgery at Westminster Hospital. The first full-time geographic position at St. Joseph's Hospital was created by the appointment of Dr. S. E. Carroll as Professor of Surgery and Chief of the Surgical Service. Dr. R. R. Aitken was appointed Acting Chief of Anaesthesia at Victoria Hospital when Dr. W. E. Spoerel assumed special duties for the London Health Association. During the year, Dr. J. C. Paterson was on leave of absence and a visiting professor of Pathology in Adelaide, Australia. During the year Dr. D. Zarfes left the position of Medical Director of the Children's Psychiatric Research Institute to join the Mental Health Division of the Department of Health in Toronto and was succeeded by Dr. B. Goldberg. From January to June, Dr. Nermut of Czechoslovakia was a Visiting Professor in the Department of Bacteriology and Immunology. Dr. M. Russek from Mexico was also a Visiting Scientist in the Department of Physiology.

Academic Activities

During the summer of 1965, the Basic Medical Science Departments moved into the new Medical Sciences Building on the campus, and on October 22, 1965, the new building was officially opened by Premier John Robarts. The old medical school was purchased in September 1965 by Victoria Hospital for development as a Health Services Building, and the old Anatomy building is now being used for the training of Medical Laboratory Technicians. With the move to the main campus, increasing liaison with the Faculty of Arts and Science has been possible. The Heads of the Basic Medical Science Departments developing the Honours B.Sc. courses have been made non-voting members of the Council of the Faculty of Arts and Science. The Council of the Faculty of Medicine has made a reciprocal arrangement with the Faculty of Arts and Science.

The Faculty of Medicine has welcomed the new Faculty of Dentistry being developed under the dynamic direction of Dean W. J. Dunn. The Basic Medical Science Departments of Anatomy, Bacteriology and Immunology, Biochemistry, Pathology, Pharmacology, and Physiology have been made departments in the Faculty of Dentistry as well as medicine. These departments will teach dental students in their first two years beginning with a pilot class of eight students in September 1966.

The Basic Medical Science Departments are thus assuming increasingly wider teaching responsibilities with students in nursing, physical health and education, science, dentistry, and basic medical science honour programmes, in addition to medical and graduate students.

The new Medical Sciences Building enabled 75 students to enroll in the first year class in September 1965, compared to the previous class of 60. Undergraduate enrollment in the 1965-66 year was as follows: First Year, 73 students (59 men, 14 women); Second Year, 57 students (53 men, 4 women); Third Year, 60 students (52 men, 8 women); Fourth Year, 54 students (47 men, 7 women). The new curriculum was introduced for the third and fourth year classes in September 1965. In addition to the introduction of clinical block teaching and fewer didactic periods, provision was made for elective courses and free time. One of the elective courses was on the Business of Medical Practice, and another was a preceptorship programme with General Practitioners. The summer preceptorship programme in general practice was continued for students between their third and fourth years. Since the fourth year is developing into a clinical clerkship, greater flexibility in the content of the pre-registration junior internship year has been permitted by the College of Physicians and Surgeons of Ontario.

Plans were developed during the year for a three-year Advanced Graduate Training Programme in Family Practice in co-operation with the Ontario College of General Practice. The programme is based at St. Joseph's Hospital and is under the direction of Dr. A. T. Hunter and a selected group of 19 general practitioners. A pilot group of four graduates enrolled in the programme on June 15, 1966.

This year 62 graduate students were enrolled in the Medical Division of the Faculty of Graduate Studies; of these 27 were proceeding to an M.Sc. degree, and 35 to a Ph.D. degree, in one of the basic medical science disciplines. In the clinical graduate training field there were 104 students registered and taking training based primarily at the affiliated teaching hospitals. This does not include the 25 junior interns at St. Joseph's and Victoria Hospitals.

The programme of Continuing Medical Education under the direction of Dr. A. T. Hunter, sponsored 12 refresher days, conferences, and seminars, for practising family practitioners and specialists. A week long course in Anaesthesia was arranged in February. A refresher course in Physiology for physiotherapists was also arranged under the aegis of the Department of Physiology. A pilot series of five half-hour television programmes was produced under the direction of Dr. P. Rechnitzer. With the generous support and co-operation of CFPL-TV, these programmes were broadcast over Channel 10 at 9:00 a. m. Sundays during the spring. These programmes reached over 1,500 doctors, many of whom have difficulty in attending refresher courses during the year.

During the year, faculty members served on committees studying the major implications and methods of implementing recommendations arising from two sources. The Duff-Berdahl Report on University Government in Canada resulted in the establishment of University and Faculty committees to review the structure of government at this University. Professor J. A. F. Stevenson was appointed Vice-Chairman of the Committee on Review of the Senate. The introduction of the provincial Bill 6 on "Medicare" which became operative on April 1, 1966, as the Ontario Medical Services Insurance Plan, necessitated the formation of a Faculty committee under the chairmanship of Professor R. A. H. Kinch to study the implications of this plan as they relate to the availability of patients for teaching at the undergraduate and graduate levels and the payment of clinical teaching staff for services rendered to patients. The preservation of old and the creation of additional clinical teaching units at Victoria and St. Joseph's Hospitals continues to be a major concern of the clinical departments. Other committees of the Faculty were concerned with study leave and summer supplements.

The Faculty of Medicine would like to acknowledge the excellent relationship which it has enjoyed with the affiliated teaching hospitals, St. Joseph's, Victoria and Westminster. Special tribute is paid to Dr. C. J. Kirk who retired as Medical Director of Victoria Hospital and was succeeded by Dr. A. L. Swanson on October 1, 1965. Dr. Swanson, former Medical Director of the University Hospital in Saskatoon, brings with him a wealth of hospital administrative experience. Westminster Hospital experienced the loss of Dr. J. Colquhoun who was the very capable Assistant Superintendent under Dr. W. J. F. Bugg.

Planning for the new University Hospital continued to involve many members of the Faculty. Special mention should be made of the Policy Committee under the Chairmanship of Dr. A. D. McLachlin and the Co-ordinating Committee under the chairmanship of Dr. C. Dyson

with the assistance of Dr. W. E. Spoerel as Medical Consultant. The Faculty welcomes the appointment of Dr. J. B. Neilson as Administrator of the University Hospital.

Research

The research budget of the Faculty of Medicine is now over \$1 million. The list of over 150 contributions to the literature by members of our staff in 1965 is appended to this report.

Members of this Faculty shared the concern of other Canadian medical scientists in the relative lack of support of medical research in Canada. Dr. R. J. Rossiter and Dr. J. A. F. Stevenson were members of the national committee sponsoring the "Gundy Report", a brief on "Medical Research in Canada -- An Analysis of Immediate and Future Needs", which was presented to Prime Minister Lester B. Pearson on January 10, 1966. The report stresses the important relationship of medical research to medical education and health services and the urgency for a major increase in Federal Government support. In June, Dr. R. Rossiter was chosen as Chairman of the planning committee for the newly formed Canadian Association for the Advancement of the Health Sciences. This organization of scientists and laymen will work towards an improvement in the climate for medical research in Canada. With a modest increase in their budget, the Medical Research Council of Canada has been able to announce the provision of funds for negotiated development grants, groups, and visiting professorships.

During the summer of 1965, 49 undergraduate students worked on various research projects in the basic and clinical science departments. Medical Research Council scholarships supported five students and Lederle Medical Student Research scholarships assisted in the support of two.

Undergraduate Activities

Mr. Wayne Elford, third year student in Medicine, was awarded a Smith, Kline and French Foreign Fellowship which made it possible for him to spend the summer at a mission hospital in Umri, India.

In the spring, five undergraduate students were chosen to participate in the Canadian Association of Medical Students and Interns Summer School of Tropical Medicine to be held during the last three weeks of August 1966, in Haiti.

In the field of university student government, this Faculty is pleased to record the election of Mr John Patrick, third year student in Medicine, as President of the University Students' Council.

In the spring, a joint committee of faculty and students developed plans for the re-establishment of a mentor system in September 1966, for the Faculty of Medicine.

Health Team Responsibilities

This Faculty is concerned with the training of other health personnel in addition to doctors, dentists and nurses. Dr. A. H. Neufeld has directed a regional two-year programme for the training of medical laboratory technicians based at Victoria Hospital. Dr. G. G. Copestake and other members of the Department of Diagnostic Radiology have been concerned with a training programme for radiographers. Dr. M. G. P. Cameron has been Chairman of a committee planning a Bachelor's degree programme for physiotherapists and occupational therapists. This programme, scheduled to begin in September 1966, is being delayed at the provincial government level until a co-ordinated provincial plan for the training of physiotherapists at both the degree and diploma level is developed.

Medical Exchange Programme

The committee on Medical Exchange programmes continued its interest in a liaison with the Jawaharlal Institute of Postgraduate Medical Education and Research in Pondicherry, India. Dr. K. N. Rao, Director General of Health Services for India, visited the University for two days in the spring and expressed sincere interest and support for such a relationship.

Special Honours and Distinctions

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

Dr. J. L. Barr, Honorary Fellow of the American Gynaecological Society; Guest Lecturer at the Chicago Medical School, the University of Saskatchewan, and the University of Vermont;

Dr. A. C. Burton, President of the Biophysical Society and Annual Lecturer of the Canadian Cardiovascular Society;

Dr. D. H. Carr, recipient of the Research Award of the Canadian Society of Obstetricians and Gynaecologists;

Dr. Roger Inch, Visiting Research Scientist at the Donner Laboratory of Biophysics, Berkeley, California;

Dr. R. A. H. Kinch, Visiting Professor, University of Manitoba;

Dr. J. A. McCarter, President of the Canadian Biochemical Society;

Dr. J. C. Paterson, Visiting Professor, Institute of Medical and Veterinary Science, Adelaide, Australia;

Dr. J. C. Rathbun, Visiting Professor at the University of Rochester School of Medicine and Dentistry;

Dr. W. E. Spoerel, Visiting Professor at the Mayo Clinic and the University of Manitoba; and

Dr. J. A. F. Stevenson, Guest Lecturer, Université de Montreal.

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

Dr. John R. Beaton, Associate Editor, Canadian Federation of Biological Societies, and Council Member of the Canadian Physiological Society;

Mr. M. L. Barr, Member of Council of the Royal Society of Canada, the American Association of Anatomists, and the Canadian Society for Cell Biology;

Dr. V. S. Brownstone, member of the Certification Committee of the Canadian Society of Clinical Chemists;

Dr. K. K. Carroll, Secretary of the Nutrition Society of Canada, and Honorary Associate Secretary of the Canadian Federation of Biological Societies;

Dr. P. A. Clancy, Chairman of the Ontario Division of the Canadian Anaesthetists Society;

Dr. E. H. Colhoun, participant in 6th International Neurochemical Congress, Oxford, England and in a Symposium of the American Chemical Society;

Dr. C. Dyson, member of the Council of the Canada Ophthalmological Society;

Dr. C. W. Gowdey, participant in Second International Symposium on Underwater Medicine, Urtica, Italy and Third International Symposium on Underwater Physiology at Washington; member of panel on Aviation and Underwater Physiology, the N. R. C. Associate Committee on Dental Research, the Canadian Drug Advisory Committee to the Minister of National Health and Welfare, and the Expert Committee of the Food and Drug Directorate on proprietary and patent medicines;

Dr. J. C. F. MacDonald, member of a Scientific Mission to the U. S. S. R. ;

Dr. D. W. Mills, consulting editor of the Canadian Journal of Ophthalmology;

Dr. G. J. Mogenson, member of Human Resources Research Advisory Committee of the Defence Research Board; and Regional Editor of the International Journal of Physiology and Behaviour;

Dr. D. G. Montemurro, member of the Research Advisory Panel of the National Cancer Institute of Canada;

Dr. A. H. Neufeld, Honorary Secretary of the Canadian Federation of Biological Societies; member of committee on Medical Biochemistry of the Royal College of Physicians and Surgeons of Canada; and Chairman of Panel on Blood Problems and Plasma Expanders, Defence Research Board;

Dr. R. B. Philp, participant in Third International Symposium on Underwater Physiology at Washington; and

Dr. J. A. F. Stevenson, Editor of Canadian Journal of Physiology and Pharmacology; member of Editorial Advisory Board of the International Journal of Physiology and Behaviour; Organizing Secretary for Second International Conference on the Regulation of Food and Water Intake, Tokyo, September 1965; member of the Canadian Council on Nutrition; the Council of the Nutrition Society of Canada; and the Panel on Nutrition and Metabolism of the Defence Research Board.

SCHOOL OF NURSING

Report of the Dean

Professor R. Catherine Aikin

The academic year 1965-66 marked the forty-fifth year in which programmes in nursing have been offered at The University of Western Ontario. During this year, a decision was reached to discontinue all diploma programmes after the 1966-67 academic year. Beginning in the fall of 1967 only one programme will be offered to graduate registered nurses. This programme will meet the same objectives as the basic nursing degree programme and graduates will receive the Bachelor of Science in Nursing degree. The proposals for this programme were passed by the Senate in May 1966.

A Faculty committee has been active in planning for the new basic nursing B.Sc.N. programme. It was agreed that a maximum of 25 students would be admitted in September 1966. This is considered a large pilot class, but the demand for graduates of such a programme is increasingly evident. Judging by the number of applications and enquiries from high school principals, counsellors, parents, and high school students, enrollment in this programme will increase as fast as faculty can be appointed and clinical experiences arranged. During the first year these experiences have been arranged in various community agencies and at Westminster Veterans' Hospital.

The co-operation of the departments of the Faculty of Arts and Science and the Faculty of Medicine has been excellent and very much appreciated by the School of Nursing staff.

In 1961, the Senate of the University ruled that in 1965 candidates to diploma programmes in nursing must meet the same admission requirements as candidates for degree programmes. This resulted in a slight decrease in enrollment but the number of candidates enrolled in degree programmes was enlarged noticeably. The number of B.Sc.N. degrees which the University granted this past year showed an increase of more than one-third over the previous year.

Enrollment in the graduate programme remains approximately the same, but there are more Canadians registered. Interest in the programme seems to be growing. Graduates are very much in demand. A large number of letters from various health agencies are received requesting contact with the graduates to negotiate future employment. These agencies are being advised to encourage more nurses to enroll.

The fourth Seminar for Senior Nursing Executives was held in June 1965. This is the only programme of continuing education for nurses in senior positions offered in Canada. Interest in it is very high and participants come from across the country to attend. The Seminar is so well accepted that plans to continue offering it are being made. Other forms of continuing education remain at a minimum.

If the School of Nursing expands as is anticipated, additional physical facilities will be required. In April 1966 the Board of Governors approved, in principle, an addition to the building of approximately 30,000 gross square feet. Plans are now under way for this addition.

The Faculty of the School of Nursing continues to be active in the planning of the new University Hospital. This opportunity to participate is accepted with enthusiasm and the interest shown in planning for the nursing service, education and research is encouraging.

Miss Elisabeth Hartig was appointed to the Faculty in July 1965 and Miss Jeananne McWhirter was appointed in June 1966. Mrs. Jacquelyn Peithchinis was granted leave of absence for one year to study at the University of London, Institute on Education. She completed requirements for a Master of Philosophy degree.

Many members of our Faculty have actively participated in professional and community affairs. It is not possible to list all these, but a few examples are appropriate. Miss Dorothy Hibbert served as Chairman of the Canadian Nurses Association Committee on Nursing Service during the 1964-66 biennium. Dr. Amy Griffin very ably served as Secretary of the Canadian Conference of University Schools of Nursing. She gave outstanding leadership to the conference on Nursing and the Health of Our Aged, offered by the London-Middlesex Chapter of the Registered Nurses Association of Ontario. This group also submitted a brief to the Ontario Committee on Aging. The members of this Committee on Aging praised highly both the conference and the brief. Miss Ethel Horn participated in and supported the development of a programme for Home Care in London. The Dean participated in activities of the Canadian Conference of University Schools of Nursing as Chairman, The Council of the College of Nurses as Vice-President, and in May,

was appointed to the Ontario Council of Health by the Lieutenant Governor in Council on the nomination of the Executive of the Registered Nurses Association of Ontario and the Council of the College of Nurses.

The great contribution made to the activities of the School of Nursing by individuals, hospitals, schools of nursing, public health agencies and other Faculties, is gratefully acknowledged. Our appreciation is sincere for the co-operation which is received on all occasions.

FACULTY OF DENTISTRY

Report of the Dean

Dr. Wesley J. Dunn

One might expect that a studentless faculty should enjoy a somewhat tranquil, almost bucolic, existence. What the Faculty of Dentistry may have lacked in student ebullience has been adequately compensated for by that kind of enthusiastic faculty participation which attends the formative stages of a new and interesting venture. It is not possible to express adequately appreciation to all whose interests and efforts are helping to shape the future of Ontario's second dental school.

The Dental Sciences Building

Plans for the Dental Sciences Building have now been completed. The electrical and mechanical drawings are in their final stages and it is hoped that construction of the building can begin in August 1966. The estimated date of completion is the summer of 1968.

The building itself comprises nine levels. There is a future laboratory floor and a storage floor. The lower ground, ground and first floors provide the physical facilities essentially for the dental clinical sciences. In addition to the pre-clinical student laboratories on the lower ground floor, provision has been made for a Dental Materials' Research section; shops for dental equipment repair, instrument fabrication, and electrical, electronic, and optical maintenance; the faculty stores; and student and staff locker rooms and lounges.

The ground floor includes the large general clinic with its supporting services, a general reception area, the oral diagnosis and dental radiography section and the Department of Oral Surgery.

The first floor provides a student common room and a student affairs area; a large lecture room which will accommodate a full class in Medicine plus a full class in Dentistry; the general administration area of the Faculty; a dental hygiene section; and graduate clinical facilities.

The second, third and fourth floors will enable the expansion of the six Basic Science Departments -- two departments on each floor. As the Dental Sciences Building will be physically attached to the Medical Sciences Building, the new structure will make possible a significant enlargement of these departments.

On the fifth floor will be located the additional animal quarters plus the facilities now housed in the Collip Medical Research Laboratory.

The building described above will have a gross area of almost 205,000 square feet inclusive of the two levels below the lower ground floor totalling 33,750 square feet and a covered walkway of 1,500 square feet from the present Animal House in the Medical Sciences Building to connect with the additional quarters in the Dental Sciences Building.

The Council

The first meeting of the Council of the Faculty of Dentistry was held on September 27, 1965. The original Council consisted of the President, the Vice-President (Health Sciences), the Heads of the Departments of Anatomy, Bacteriology, Biochemistry, Pathology, Pharmacology and Physiology and the Dean of the Faculty as Chairman of Council. On April 15, 1966 the Board of Governors concurred in the recommendation that all members of the six Basic Science Departments hold joint appointments in the Faculties of Medicine and Dentistry. Thus the Council will now consist of those mentioned above plus the Professors, Associate Professors, Assistant Professors (full- and part-time) and full-time Lecturers. Standing invitations to attend Council on a non-voting basis have been extended to the Deans of Medicine and Nursing, the Health Sciences Librarian and the Executive Administrator of University Hospital.

The present Council and departmental organization is shown in the flow chart on the following page.

Meeting with Staff of Basic Science Departments

Prior to the recommendation that all members of the Departments of Anatomy, Bacteriology, Biochemistry, Pathology, Pharmacology and Physiology hold joint appointments in the Faculties of Dentistry and Medicine, a meeting of the faculty of these departments was held on March 24. Opportunity was given for a presentation of information bearing upon the developing Faculty of Dentistry and subsequent

THE UNIVERSITY OF WESTERN ONTARIO
FACULTY OF DENTISTRY
COUNCIL AND DEPARTMENTAL ORGANIZATION

DEAN AND COUNCIL

Dean; Heads of Departments; Professors, Associate Professors, Assistant Professors (full- and part-time); Lecturers (full-time); Director of Clinics; President (ex officio); Vice-President (Health Services)(ex officio).
By Invitation -- Deans of Medicine and Nursing, Librarian, and Director of University Hospital (non-voting).

ANATOMY, Department of

BACTERIOLOGY, Department of

BIOCHEMISTRY, Department of

ORAL MEDICINE, Department of

- Dental Radiology
- Oral Diagnosis
- Oral Medicine
- Periodontics

ORAL SURGERY, Department of

- Oral Surgery
- Anaesthesia

PAEDIATRIC DENTISTRY, Dept. of

- Orthodontics
- Paedodontics

PATHOLOGY, Department of

PHARMACOLOGY, Department of

PHYSIOLOGY, Department of

RESTORATIVE DENTISTRY, Dept. of

- Ceramics
- Crown and Bridge
- Endodontics
- Operative
- Prosthodontics

SOCIAL DENTISTRY, Department of

- Epidemiology
- Ethics
- Dental Jurisprudence
- History of Dentistry
- Practice Administration
- Preventive Dentistry
- Public Health

EXECUTIVE COMMITTEE

Dean, Heads of Depts.
Vice-Pres. (H.S.) ex off.

ADMISSIONS COMMITTEE

Appointed by Executive
Membership Confidential

CURRICULUM COMMITTEE*

OTHERS AS REQUIRED

*Minute 7.1 -- September 29, 1965
Curriculum Committee to consist of the Heads of the Teaching Departments and subcommittees applying to the respective years of the course consist of the Heads and/or representatives of the Departments concerned.

HEALTH SCIENCES DIVISION
MEDICINE, DENTISTRY, NURSING

LIBRARY COMMITTEE

SERVICES COMMITTEE

APPROVED BY COUNCIL
DECEMBER 21, 1965

to the brief presentation many questions were posed by those in attendance. It was the consensus that the meeting was most worthwhile.

Admissions Committee

During the October 1965 meeting of Council an Admissions Committee was established. By action of Council, authority was delegated to the Executive Committee to elect the members of the Admissions Committee. In addition, the membership of the Committee is to be considered privileged information of the Executive Committee and the Admissions Committee, and all possible effort is being made by those concerned to keep the membership of the Admissions Committee confidential. In a limited enrollment faculty, this action is almost mandatory if it is expected that members will be able to serve with complete objectivity and in the absence of pressures which could conceivably be brought to bear.

In addition to several ex officio and consultant members to the committee, the Committee comprises two representatives of the Natural Science Departments, one representative of the Basic Sciences applicable to the second year, and two representatives of clinical departments in Dentistry.

The Admissions Committee met in its final session on June 20, 1966 to consider applications for the 1966-67 term. Eighty-eight applications were received, five of which were subsequently withdrawn or cancelled. Eight were admitted and advised, and nine were placed, in order, on a waiting list. Sixty-six applications were rejected. The academic quality of all candidates admitted or placed on the reserve list was a "B" standing or better. The Dental Aptitude Test Programme of the Canadian Dental Association did not become operable sufficiently early for application to the 1966-67 year but as arrangements have been concluded for an Aptitude Test Programme to be conducted at Western on January 7, 1967 the Admissions Committee will have additional information on which to base its judgment next year.

CDA Aptitude Test Programme Approved

The Senate, acting on the recommendation of the Council, approved in principle the requirement that applicants for admission present with their other documents the report of their achievement in the Canadian Dental Association Aptitude Test Programme. As the first tests in the new CDA programme will not be given until January 7, 1967, the aptitude testing programme could not be utilized for 1966 admissions.

First Year Curriculum

The Senate approved the recommendation of Council with respect to the establishment of a Curriculum for the first year. Five departments will participate in the teaching programme. The Department of Anatomy will provide a programme in microscopic and gross anatomy which will utilize a total of 408 hours. The Departments of Biochemistry and Physiology will each mount a lecture and laboratory programme with Biochemistry being assigned 184 hours and Physiology 192 hours.

The Department of Restorative Dentistry will give a 48-hour course in Dental Anatomy and a 144-hour programme in Dental Technology. The Department of Social Dentistry will participate only briefly in the first year and will provide an eight-hour lecture programme divided equally between Professional Conduct and History of Dentistry.

Nine hundred and forty-eight hours have been assigned to the first year curriculum and although the programme is a heavy one five of the other eight Canadian schools have a greater number of assigned hours in the first year.

The 984 hours are spread over a 32-week academic year running from approximately mid-September until mid-May.

Grading System

The Council at its meeting on March 3, 1966 agreed with a recommendation of a Committee in the Faculty of Arts and Science to alter Western's grading system in accordance with the following scale: A -- 80 to 100, B -- 70 to 80, C -- 60 to 70, and D -- 50 to 60. Council further recommended that all transcripts carry an adequate explanation of the grading system both for what applies now and for that which could apply should the proposal gain university-wide acceptance.

Deposit Fee with Application

Acting on a recommendation of The Admissions Officer the Executive Committee of Council recommended to the Board that a non-refundable \$50.00 deposit on tuition fee be required of an admitted applicant to retain his place in the first year class.

D. D. S. Degree Approved

The Senate, on December 17, 1965, acting on a recommendation of the Council of the Faculty of Dentistry, gave approval to the Doctor of Dental Surgery (D. D. S.) degree. The academic hood to be employed at Convocations at which this degree is to be granted has not yet been designed.

Visit to CDA Survey Committee

Anticipating eventual accreditation, the Council of the Faculty, during its February 1966 meeting, recommended that a survey visitation by the Canadian Dental Association Council on Education take place in the academic year July 1, 1968 - June 30, 1969, either in the fall of 1968 or the spring of 1969. At that time the Dental Sciences Building will be occupied and three classes will be in operation.

Hospital By-Laws

The two main teaching general hospitals in London are Victoria Hospital and St. Joseph's Hospital. Shortly after the writer's arrival in London he was able to ascertain that the by-laws in respect of dental services in each hospital were far from adequate. He was invited by Victoria Hospital to participate on a Committee which was to draft new by-laws to provide a sound legal base for dental services in the hospital. These draft by-laws have now been completed and will shortly be presented to the Board of Trustees through the Medical Advisory Committee. They are being delayed until the new General Regulations enacted pursuant to the Public Hospitals' Act have been promulgated by the Lieutenant Governor in Council.

St. Joseph's Hospital has issued a similar invitation to prepare a re-draft of its by-laws. As there seems to be merit in achieving some consistency, the drafting of dental by-laws for St. Joseph's Hospital will await the approval of Victoria Hospital's by-laws. At that time similar by-laws, with whatever appropriate amendments are necessary, will be prepared for the consideration of St. Joseph's Hospital.

When these procedures have been completed the environment for dental services in these two hospitals should be vastly improved and more effective dental services should result.

Vivarium

Council at its meeting in June suggested that a university committee be established to gather information relative to the establishment of a vivarium.

Commission to Study Development of Graduate Programmes in Ontario Universities

At the meeting of Council in November 1965 a statement was approved bearing on future graduate programmes within the Faculty of Dentistry. This statement was subsequently transmitted to the Commission to Study Development of Graduate Programmes in Ontario Universities and, in part, this statement follows:

Notwithstanding the most creditable efforts being made at the University of Toronto there is an overwhelming need to provide opportunities in graduate work for dentists interested in the basic health sciences. Particularly here, where the Faculty of Dentistry is an integral part of the Health Sciences Centre, we have urgent need to recruit teachers and researchers in dentistry who have been adequately trained in Basic Science disciplines. Accordingly, this Faculty is recommending that, for dentists, two- and three-year graduate programmes in the Basic Health Sciences leading to the Master of Science and Doctor of Philosophy degrees, respectively, be established within the Faculty of Graduate Studies.

At least at this time, we are not recommending the creation of graduate programmes in the clinical sciences because experience has shown that the treatment requirements placed upon such post-graduate students make it almost impossible for them to consummate creditable research programmes. The recent creation of the Royal College of Dentists of Canada affords, now, an opportunity to recognize clinical competence and this Faculty believes that, at least for the present, post-graduate programmes in the clinical areas should be diploma courses.

Associate Committee on Dental Research of
National Research Council

Following receipt of an invitation from the Associate Committee on Dental Research of the National Research Council to appoint a representative from the Faculty of Dentistry of The University of Western Ontario, Professor Charles W. Gowdey, Head of the Department of Pharmacology was appointed and attended his first meeting in March, 1966.

Teaching Conference -- Faculty of Dentistry, Toronto

The Faculty was invited by Dean Roy G. Ellis of the Faculty of Dentistry of the University of Toronto to attend a Teaching Conference sponsored by the Toronto school on May 9, 10, 11, 1966. Professor-Designate D. S. Moore and the Dean attended. The Conference heard papers and discussions from selected members of the staffs of the Toronto faculty and the Ontario College of Education, Toronto.

Canadian Dental Association -- Teaching Conference

In April a letter was received from the Canadian Dental Association in which the Faculty was invited to participate in the 1967 Teaching Conference of the national dental organization, an event which the Council of Education of the Canadian Dental Association has sponsored for several years. "Library" has been the subject selected for the Conference and Council selected Miss M. Anne Seheult, Health Sciences Librarian, as our delegate.

Vice-President's Committee (Health Sciences)

On January 3, 1966 the Vice-President's Committee (Health Sciences) was established. The development of an integrated Health Sciences Centre made mandatory the creation of a group which could serve to consider matters common to all divisions of the Centre. The Chairman of the Committee is Dr. O. H. Warwick, Vice-President (Health Sciences) and the other members are Professor R. Catherine Aikin, Dean of Nursing; Dr. Douglas Bocking, Dean of Medicine; and the Dean of the Faculty of Dentistry.

The Committee meets monthly and has already demonstrated its effectiveness in dealing with matters of common interest as they relate to teaching and research in the Health Sciences.

Central Services Committee Established

Acting on the recommendation of the Vice-President's Committee (Health Sciences) the Council of the Faculty joined with the Councils of the Faculty of Medicine and the School of Nursing to establish a Central Services Committee. Professor C. W. Gowdey represents Dentistry on the Committee. There are five sub-committees each responsible for an area of interest central to the Health Sciences Centre: 1) Animal House; 2) Art Service; 3) Instrument Shop; 4) Supply Store; and 5) Teaching Aids.

Dental Equipment Selection Committee

A committee to recommend the dental equipment and instrument requirements of the Faculty was established under the chairmanship of Professor-Designate D. S. Moore. The responsibility is an important and difficult one to discharge. Dentistry, in keeping with most other scientific disciplines, is going through a period of rapid technological change and it is important that the committee, in its quest to equip the building with the modern armamentaria, will be able to separate the ephemeral from that which will endure.

Senate Review Committee

In March 1966 the report of the Commission on University Government in Canada was made public. Prior to the release of this report the Senate established a Senate Review Committee to study all aspects of the present operation of the Senate with a view to making recommendations in respect of the future role of the Senate in University Government. This is an important subject and the Faculty of Dentistry has made its contribution to the Committee's deliberations.

Reports -- Study Leave and Summer Supplements

The Faculty of Dentistry joined with the Faculty of Medicine in creating Council committees to draft submissions to university committees established with respect to Study Leave and Summer Supplements. Both reports containing specific recommendations were approved at the June meeting of Council and were forwarded to the respective chairmen.

Committee re Aims, Objectives and Educational Philosophy of the University

Council was asked its view on the establishment of a university-wide committee to study the aims, objectives and educational philosophy of the University. While Council was sympathetic to the motivation which prompted the recommendation to create such a committee it felt that the matter was one for Senate to consider and such a committee should have its genesis in Senate.

London and District Dental Society Memorial Scholarship Fund

The Faculty is most grateful to the London and District Dental Society for having established a Memorial Scholarship Fund. The Society has appointed Dr. A. J. Harris, Dr. D. C. Way, and Dr. J. O. McCutcheon as trustees. When the amount on deposit in the fund is sufficient to make an award possible the Terms of Reference of the award will be developed. Contributions totalling \$398 have been received since the fund's inception.

International College of Dentists Offers Award

The Canadian Section of the International College of Dentists has offered to establish a scholarship in the amount of \$100 to be awarded to the student completing the third year of dentistry. The award is based on the student's scholastic record in the third year, his general character, and his participation in extra-curricular activities. A reply of appreciation was made to the College commenting that such a scholarship would not be applicable at Western until the spring of 1969.

The Library

Grateful appreciation is extended to many individual and institutional donors to the dental collections within the Health Sciences Library. The following people presented dental items: Dr. G. C. Adams, Dr. G. M. Allison, Dr. A. A. Antoni, Mrs. F. F. Baker, Dr. Clayton Bourne, Dr. C. D. Levy, Dr. J. O. McCutcheon, Dr. W. J. McEwen, Mrs. Maurice McNeil, Dr. C. M. Purcell, Dr. John Sherman, Dr. C. L. Strachan, Dr. William Walker, Dr. J. F. West, and Dr. P. A. Williams.

Institutional donors were the American Dental Association, Canadian Kodak Sales Ltd., Dental Practice, Dental Survey, Ontario

Dental Association, Ontario Hospital, St. Thomas, Royal Canadian Dental Corps, the following Universities: British Columbia, Dalhousie, Kentucky, Manitoba, and Montreal, and Westminister Hospital.

Dental Library Book Fund

Through the generosity of the Oxford County Branch of The University of Western Ontario Alumni Association, a donation of \$100 was made to establish a Dental Library Book Fund. It is hoped that other Alumni Branches and interested persons or organizations will wish to augment this fund for the important purpose for which it was established.

Dr. McNiece Donates to Faculty

Dr. E. J. McNiece, a dentist practising in Etobicoke, made a most generous donation to the Faculty to be used in any manner deemed appropriate. We are indeed grateful to Dr. McNiece for his kindness and for his thoughtfulness.

Staff

The Council of the Faculty of Dentistry, during its meeting on March 21, 1966, unanimously adopted certain proposals concerning the appointment to this Faculty of members of staff of the Basic Science Departments. In order that the Faculty of Dentistry may function effectively and appropriately within the Health Sciences Centre, Council requested the Board of Governors, at its meeting on April 15, to publish a minute to the effect that all faculty holding academic appointments in the Departments of Anatomy, Bacteriology, Biochemistry, Pathology, Pharmacology and Physiology be deemed joint-appointees in the Faculty of Medicine and the Faculty of Dentistry. This recommendation was ratified by the Board. Thus the Faculty of Dentistry now enjoys and benefits from the most significant contributions of all members of the six Basic Science Departments.

On July 1, 1966 four members of faculty with dental qualifications will be joining this staff. Dr. Donald S. Moore of Hamilton has been appointed Professor and Head of the Department of Oral Medicine. Dr. Moore is well known to the dentists of this province being a graduate of the Faculty of Dentistry of the University of Toronto and the holder of the Diploma in Periodontics of the same institution. He is a Fellow of the Royal College of Dentists of Canada. Dr. Moore has been on the part-time staff of the Toronto school and is one of Canada's most sought after

clinicians. He will assume responsibility for a Department which will provide courses in Oral Diagnosis, Dental Radiology, Oral Medicine and Periodontics.

Dr. Ronald E. Jordan will become Professor and Head of the Department of Restorative Dentistry. Dr. Jordan is a 1954 graduate of the Faculty of Dentistry of the University of Alberta. In 1962 he was the recipient of the M. S. D. degree in Restorative Dentistry from the University of Washington. From 1962 to 1964 Dr. Jordan was Associate Professor in Operative Dentistry at Dalhousie University and in 1964 went to the University of Pittsburgh's Cleft Palate Research Centre as a Research Associate. In 1965 he became Associate Professor and Chairman of the Department of Operative Dentistry at the latter university. Dr. Jordan has contributed several papers to the literature and is the co-author of two books, The Human Dentition Before Birth, and Dental Anatomy and Its Clinical Applications.

Dr. David G. Gardner joins the Faculty as an Associate Professor of Pathology. Dr. Gardner is a 1958 graduate of the University of Toronto and in 1965 earned the M. S. D. degree in Pathology at Indiana University. At present he is Assistant Professor in the Department of Oral Medicine at the University of British Columbia. From 1963 to 1965 he was a Dental Research Fellow of the National Research Council of Canada.

Dr. Peter G. Dellow of the University of Adelaide will be joining the Department of Physiology as an Associate Professor. Dr. Dellow was graduated Bachelor of Dental Surgery in 1949 and Bachelor of Medicine, Bachelor of Surgery in 1957. He is a member of the Australian College of Dental Surgeons. For several years Dr. Dellow has been a Lecturer in Physiology and in Oral Biology at the University of Adelaide. His thesis, "Sensory Trigeminal Mechanisms", as a portion of the requirements for the M. D. S. degree of the University of Adelaide is in preparation.

It is a pleasure to welcome these colleagues to The University of Western Ontario.

Visitors to the Faculty

During the year the Faculty enjoyed visits from Dr. James W. Bawden, Dean-Elect of the School of Dentistry of the University of North Carolina; Dr. K. J. Paynter, Chairman of the Division of Post-Graduate Studies of the Faculty of Dentistry of the University of Toronto; and

Dean-Elect of the Faculty of Dentistry of the University of Saskatchewan; Brigadier K. A. Baird, Director-General of Dental Services for The Canadian Armed Forces; and Dr. Harry Hunter, Professor of Oral Pathology of the Faculty of Dentistry of the University of Toronto.

Dr. Bawden presented a seminar entitled "The Placental Transfer of Fluoride and Calcium", and met with the members of the Department of Physiology with respect to their interest in and concern for the mounting of an effective first year programme in this discipline. Dr. Paynter performed a similar service for the Department of Anatomy. Dr. Hunter lectured on Oral Pathology to the second year in Medicine and also met with members of the Department of Pathology.

Public Interest

Public interest in our Faculty of Dentistry remains high. Among the 15 occasions on which the writer was inflicted on a variety of audiences were seven addressed on the subject of Western's developing dental school, three to dental societies, three to service clubs, and one to a U. W. O. student organization. The Faculty of Dentistry is most grateful for the many tangible demonstrations of enthusiastic interest on the part of the public and the dental profession.

Conclusion

The year which has passed has had both its encouragements and its discouragements. All parties concerned with the planning of the Dental Sciences Building have been working most expeditiously toward its completion, but the building is such an incredibly complicated one that progress has not kept pace with expectations. On the credit side of the ledger, however, has been the establishment of excellent working relationships with other divisions of the University, a development of an organizational structure for the Faculty within the Health Sciences Centre which augurs well for the future maturation of this school and the recruitment of a nucleus of competent staff upon which depends so completely the quality of programme to be offered.

We are grateful for the marked participating interest of other divisions of the University and of the dental profession in respect of this embryonic institution. We hope that the product of all our efforts and interests may measure in achievement the aspirations we have for it.

SCHOOL OF BUSINESS ADMINISTRATION

Report of the Dean

Professor J. J. Wettlaufer

The year 1965-66 saw a number of highly significant developments at the School of Business Administration. A record number of applications forced the School to limit enrollment in all programmes.

In response to the growing demand for business education, plans were approved by the University to provide an addition which would double the present facilities. The new addition, which is expected to be completed by September 1968, will provide accommodation for 520 graduate students and 250 undergraduate students.

Enrollment in the Graduate School reached the saturation point with a total of 262 students in the MBA course. Of these, 111 came from Ontario, 58 from Quebec, 25 from Alberta, 19 from British Columbia, nine from Nova Scotia, eight from Saskatchewan and seven each from Manitoba and New Brunswick and one from Newfoundland. The School also had students from the U.S.A., India, Jamaica, Germany, Ceylon, Pakistan, the Netherlands, France, England, Peru and New Zealand. The degrees held by these students include: B. Eng. 16, B. Sc. 64, B. A. Sc. 63, B. A. 72, Commerce 48, Law six, and Advanced 26. As expected, larger pre-business enrollments have resulted in higher registrations in the undergraduate programme. Presently, the enrollment in the third and fourth year is 157, a 58% increase over last year.

In line with previous plans, the doctoral programme was opened to candidates in Accounting-Finance this year and Mr. Graeme Fogelberg, a Commonwealth Scholar from New Zealand, was admitted to the School for studies in this area, bringing the total number of doctoral students to four. It is expected that the School will have a maximum of 12 candidates next year as faculty strength is increased in other areas of business.

Degrees conferred and diplomas granted in the 195th and 196th Convocations were as follows:

Honours B.A. in Business Administration	51
Master of Business Administration	114
Diploma in Business Administration	6

As a result of recommendations from the teaching group for the first year of the M. B. A. programme, the Quantitative Analysis course was revised and greatly strengthened. Another successful innovation was the rotation of sections to improve student exposure to each other. At the undergraduate level, the Junior Teaching Group has experimented with new approaches in the Quantitative Analysis Course for the junior year. The faculty approved the development of six new courses for the doctoral programme as recommended by the doctoral committee under Dr. D. S. R. Leighton. These courses will be offered beginning September 1966.

Under the continuing Ford Foundation Grants, the School was privileged to have five distinguished academics as visiting professors in 1965-66. Professor Arthur Turner of the Harvard Graduate School of Business lectured on "Interpersonal Processes of Administration" and Professor Paul Vatter of Harvard spoke on "Decision Theory". Professor John Boot of the State University of New York at Buffalo gave four lectures, "Decision Criteria", "On Strategies", "Observations on Game Theory" and "Examples of Dynamic Programming". Professor Elwood Buffa of U. C. L. A. discussed "General Models for Productive Systems" and Professor Harold Bierman of Cornell lectured on "The Capital Budgeting Decision". In addition, each Professor conducted a series of seminars with the Faculty and doctoral candidates.

Intensified faculty research activities resulted in a major increase in the number of articles published. A list of authors, titles of articles and publications is appended elsewhere in this report. It is interesting to note that a large portion of the School's resources is expended in case research. This is vital to course development at Western, but it is also important to the many other universities which use our materials. The Faculty had two casebooks published by McGraw-Hill. One book entitled, "Business Finance: Cases and Problems", was co-authored by Professor J. C. Taylor and Dr. S. A. Martin in co-operation with Dr. Peter Williamson from Dartmouth. The other, "International Marketing, was authored by Dr. D. S. R. Leighton. The Economic Council published the research carried out by Messrs. J. R. Nininger and G. R. Forsyth under the title, "Expanding Employability in Ontario". Dr. D. H. Thain's research on "Corporate Long Range Planning in Canada" was sent out as a working paper and received excellent comments.

The Faculty continued to build a reputation gained through original research projects and case research. With the funds available from the Ford Foundation Grant and the Research Fund of the Western Associates (Canadian companies who contribute research funds to the School on an annual basis), the School has been able to initiate an increasing number of research projects and, in so doing, attract excellent faculty and candidates for the doctoral programme.

Professors A. R. Wood and A. A. Grindlay have developed cases of the Aluminum Company of Canada -- Kingston Works. Working with them, Mr. G. Peterson prepared a model intended to provide decisions on monthly aggregate production and workforce levels. Under Professor Wood's supervision, Mr. George Forsyth produced a technical note on Quality Control and a case on Quality Control in the cereal industry.

Professor F. W. P. Jones supervised the writing of the new cases in the field of Investment Management, as well as carrying out extensive revisions. Work was continued on his "price-earnings" ratio study, which will be published at a later date.

Dr. R. C. Hodgson completed his studies on relations within the top management group of The Bell Telephone Company of Canada, and the relationship between that company and its environment. He has begun research at the Sarnia Refinery of Imperial Oil Enterprises Ltd.

Dr. B. Portis and Professor W. A. Thompson together with Messrs. Juris Svistunenko and Padric Smythe presented reports on an evaluation of management training to The Bell Telephone Company of Canada Ltd., including a final summary report on the formal training aspects of the change programme. This report was cited in the 1965 Bell Annual Report and requests for the research findings have come from many companies, both here and in the United States. Under Dr. Portis' supervision, Mr. Serge Gouin and Mr. Brian Campbell completed research papers on teenage purchasing in London, Ontario and Chicoutimi, Quebec.

Professor Nicholson, assisted by Mr. John Ferguson, has conducted further research into a segment of capital budgeting which concerned itself with a Stock Valuation Model. In addition to co-authoring with Professor J. T. Nicholson the articles on Investment Practices that appeared in the Business Quarterly, Mr. J. D. Ffolliott is currently completing a monograph on a survey of Canadian Capital Budgeting. He is also developing a case on capital budgeting for use in the M. B. A. I Control Course and is adopting several cases for computer use.

Professor R. F. Love and Mr. George Wesolowsky worked on the application of non-linear programming to facilities location problems. They now feel that the theoretical feasibility of this approach has been proven and they have developed computer programmes for solving unconstrained problems.

Dr. A. Mikalachki has been supervising the work of Mr. Gary Smith, a Master's Degree candidate in the P. H. E. Department. Mr. Smith's thesis is an extension of Professor Mikalachki's group cohesion study.

Professor J. N. Fry has been working on an extension and study of associated topics of his doctoral thesis report, entitled "An Investigation of the Influence of Family Branding on Consumer Brand Choice". He is also working with Professor Joseph W. Newman of the University of Michigan on the application of decision theory to marketing management problems, with particular emphasis on the use of decision theory in the teaching of marketing. Under his supervision, the Retailing Course is being thoroughly reviewed and revised.

Professor S. A. Martin, assisted by Mr. Paul Bishop, continued the major historical study of Delta Acceptance Corporation, with the objective of explaining the very rapid growth and overall success of this company.

The complete list of case and project research being carried on at the School is in the appendices of this report.

The Business School's programmes for executives again set records for attendance, making 1965-66 another successful year in a long history of assisting Canadian business to develop their management in light of everchanging conditions.

Under the leadership of Associate Dean Walter A. Thompson, the Nineteenth Session of the Management Training Course attracted 128 executives from across Canada, the U. S. A. and Great Britain. The class statistics for the year are:

General Executives	46
Engineering and Production	27
Marketing	16
Accounting and Financial Officers	13
Others	26
Average age	42.2 years

The course was fortunate to have Professors C. A. Bliss and F. E. Folts of the Harvard Graduate School of Business Administration on its staff. Professors R. C. Hodgson and C. B. Johnston of Western participated in the programme for the first time. Other Business School Professors on the course included Dean J. J. Wettlaufer, J. C. Taylor, A. A. Grindlay and A. R. Wood. Dr. M. Yuhasz of the P. H. E. Department conducted the physical and recreational aspects of the programme. Administrative details were handled by Mr. N. M. Armstrong, Director of Administrative Services at the School.

For the second year in a row, the Marketing Management Course set a new record with an enrollment of 109 men for its thirteenth annual session. Although the majority were from companies who had participated in previous years, 20 new companies were represented. While approximately two-thirds of the course members were from Ontario, five additional provinces were represented. One course member came from the Netherlands.

The course content was changed this year to introduce the use of decision-making under uncertainty. Professors D. S. R. Leighton, J. T. Nicholson, A. Mikalachki, J. N. Fry and C. B. Johnston of the School made up the course faculty, assisted by Mr. D. T. Wilson. Professor M. Yuhasz of the P. H. E. Department conducted a programme of physical exercise and recreation for the course members.

Seventeen executives in government, banking and industry from Canada and the United States attended the second annual two-week International Management Programme. The programme was directed by Dr. D. S. R. Leighton and included Professors G. L. Reuber and R. J. Wonnacott from the Economics Department; Dr. S. A. Martin, Dr. R. Sproule and Dr. J. D. Fleck from the Business School; Dr. H. E. English from Carleton University and Mr. John D. Harbron, Editor of Executive Magazine. The administration was handled by Mr. N. M. Armstrong.

Two hundred and sixty-four business executives from across Canada attended the Tenth Annual Business Conference, held on campus from May 12 to 14, 1965. The conference theme this year was "People, Planning and Profits" and the keynote speaker was Mr. Morgan Reid, Vice-President, Planning and Development, Simpson-Sears. Other speakers included: Morgan Firestone, Vice-President, Firestone Tire and Rubber Company of Canada; Gerard Plourde, President and General Manager, United Auto Parts, Inc.; Norman Krandall, Director, Forward Marketing Plans Office, Ford Motor Company; George H. Baillie, Vice-President and Director, Canadian Pacific Railway Company; George C. Sinclair, Chairman of the Board and President, MacLaren Advertising

Company; William Mahoney, National Director for Canada, United Steelworkers of America; William M. Currie, President, Canadian Imperial Bank of Commerce; and Philippe de Gaspé Beaubien II, Director of Operations, Canadian Corporation for the 1967 World Exhibition. The dinner speaker was Mr. Michel Belanger, Deputy Minister, Department of Industry and Commerce, Province of Quebec.

The leadership and organization for this conference was provided by the Alumni of the School. The Chairman was George P. Munro with William M. Chantler as Vice-Chairman and George Forsyth as Secretary. Other members of the Committee were: Ernest W. Barbour, G. Marcel Brunet, Jack Guthrie, B.P. Kuehn, William W. Lasby, Hugh McGinty, John W. Murray, Murray Turner, Frank T. Sherk, Lewis G. Smith, Robert N. Spear, Dr. James W. Tomecko and J. Cal Wattie. The School was represented on the Committee by John J. Wettlaufer, Walter A. Thompson, Neil M. Armstrong and Fraser H. Rowland.

This year the School initiated two new education programmes as well as continuing to provide education opportunities for members of associations and organizations. Under the direction of Associate Dean Walter A. Thompson, the School sponsored a two-day seminar on Management Development. Over 60 managers of personnel and management development discussed the current issues in this field. Other faculty participating in this seminar were Dr. R.E. Sproule and Dr. R.C. Hodgson of the Business School.

Secondly, the School sponsored a seminar on "The Evolving Responsibilities of the Director" under the leadership of Dr. W. Harold Rea, Chairman of the School's Advisory Committee, and Professor W. J. McDougall. Over 50 presidents, executive vice-presidents and senior members of the boards of directors of Canadian corporations registered for the two-day sessions. Discussions evolved around the responsibility of directors of public companies to shareholders, the trends in recent legislations, the moral responsibility of the director in modern society and information needed by the directors in their relationships with management. Featured speakers were Mr. A.S. Pattillo who spoke on "The Legal and Moral Responsibilities of Directors" and Mr. Arthur H. Dean whose topic was "The Liabilities of Directors".

Again this year, the Business School co-operated with the Montreal and Toronto chapters of the Financial Analyst Federation to produce the third Canadian Investment Seminar. This four-day event was attended by 65 security analysts from the United States and Canada.

Individual members of the School's faculty were active as consultants and in conducting seminars for outside organizations. Dr. R. E. Sproule conducted courses at the Summer Executive Training Programme of the Canadian Chamber of Commerce, the Canadian Association of Purchasing Agents and the Society of Industrial and Cost Accountants. Professor C. B. Johnston continued to work closely with the Federal Department of Labour's Small Business Management Programme as an education consultant. In addition, he advised the Department of Northern Affairs on the further development of the marketing organization for Eskimo Arts and Crafts. Dr. J. N. Fry worked on the Canadian Institute of Plumbing and Heating and the British American Oil Company Management Seminars.

Dr. J. T. Nicholson assisted the Society of Industrial and Cost Accountants in the organization of a management development programme for comptrollers and accountants and was a member of the faculty for the C. N. R. Staff Training Course. Dr. M. R. Leenders acted as educational advisor to the Canadian Association of Purchasing Agents. Dr. R. C. Hodgson, Dr. J. T. Nicholson and Mr. Desmond Ffolliott presented papers at the annual meeting of the Association of Canadian Schools of Business.

Dr. A. Mikalachki taught in a number of executive development courses, including those sponsored by the Society of Industrial and Cost Accountants and the Federal Government. Dr. R. C. Hodgson participated in a two-day seminar at the Ontario Police College on personnel evaluation, performance appraisal and manpower development. Dr. Hodgson also worked with the Foreman's Club of London and Brantford and organized and taught part of the Management Development Course of the Industrial Management Clubs of Canada.

The laboratories of the Business School lie in the various institutions of the business community. Members of the Faculty attempt to maintain and improve these relationships with business in their many speeches and papers to these groups.

Dr. J. N. Fry presented papers to the Advertising and Sales Club, Toronto; Michigan University School of Business, Ann Arbor; and the Association of Canadian Advertisers, Toronto. Dr. R. C. Hodgson addressed the Faculty and graduate students, McMaster University Business School; the American Sociological Association, Chicago; and the Federation of Canadian Personnel Association, London.

Dr. R. E. Sproule spoke to the Association of Administrative Assistants, Sarnia Branch Seminar; National Secretaries Association Convention, London, and the Federation of Canadian Personnel Associations.

Professor J. J. Wettlaufer delivered papers to the Administrative Society, Area 5 Conference, London; the Society of Industrial and Cost Accountants (Georgian Bay Area), Barrie; Pulp and Paper Association, Fall 1965 Conference, Vancouver; Personnel Association of Toronto, Spring Conference; Pulp and Paper Association, Spring 1966 Conference, Montreal. In addition, Professor Wettlaufer acted in liaison with the Ford Motor Company in bringing their College Seminar to London. Faculty participants came from Western, Waterloo, Waterloo Lutheran and McMaster.

The Business Quarterly

"Canada's Management Journal" continued to forge ahead in editorial and circulation development resulting from ever-increasing recognition. The editorial side was further strengthened with the addition of Mrs. Richard Sanders as Associate Managing Editor. A circulation drive during the spring resulted in an addition of more than 1,000 subscribers bringing the total copies mailed out close to the 7,000 mark. Under the direction of Dr. B. Portis a research study on The Business Quarterly's primary subscribers was conducted with the result that much valuable information for editorial and advertiser use was gained. One of the facts gained from this survey was a conservative estimate of the fact that 15,000 different people read each issue of the Quarterly.

The Quarterly added a substantial number of university libraries in Canada and the United States to the circulation list; in addition, copies now go out to major Canadian embassies and diplomatic posts in foreign countries. Reprint sales, now at 40,000, continued to climb, adding to the total impact of the publication on the business community. In the last four issues there have been 34 articles, 13 written by academics from other universities, ten written by Western academics and 11 authored by recognized business leaders in this country and the United States.

During the recruitment period, January 10 to February 18, 240 companies and organizations made career employment opportunities known to members of the M. B. A. and Honours B. A. graduating classes. A total of 274 executives visited the School and conducted 1,781 interviews in facilities provided. As a result of this programme and individual efforts, by April 7 all members in both classes were successful in securing employment. The recruitment programme was under the direction of Mr. Neil M. Armstrong of this School, who is a member of the Placement Guide Committee of the College Placement Council and an executive member of the College Placement Council.

Dr. R.K. Ready, on leave to the Ford Foundation as a consultant to the Egyptian Government in Cairo, has resigned from the Faculty to accept an appointment with Ford Foundation in Colombia, South America. Over the years, Dr. Ready made a substantial contribution to the School, particularly in the area of Organizational Behaviour and the formation of the doctoral programme. Mr. C.C. Carrothers, who served the School for over 30 years as a part-time lecturer in Law, resigned. The School invited former instructors, including the Prime Minister of Ontario, the Honourable John A. Robarts, to join the Senior Faculty in honouring Mr. Carrothers at a dinner.

The Faculty of the School of Business Administration values its associations with other faculties on this campus. Professors G. L. Reuber and R. O. Wonnacott, Economics, assisted in the International Management Programme; Mr. K. A. Hinnegan, Faculty of Law, presented a two-semester course in Business Law and Dr. M. Yuhasz, P.H.E., developed a special "executive fitness" programme which has been given to participants on our management programmes. In addition, members of Faculty have collaborated on research projects with several departments, especially Psychology and Computer Science. In turn, the School is trying to assist faculties who have an interest in administration. Dr. E. Spence and Mr. R. Jeffrey developed an experimental course for the fourth year students in Engineering; Dr. B. Portis taught an extension course for Sociology; Professor C. B. Johnston assisted in the Department of Geography Seminar on "Problems of Northern Canada" and Dr. R. C. Hodgson assisted the School of Nursing in its summer programme. We are looking forward to extending our co-operation to other parts of the University.

FACULTY OF ENGINEERING SCIENCE

Report of the Dean

Professor R. M. Dillon

During the year 1965-66 the Faculty has experienced more significant growth in almost every phase of its operation than in any year to date. In fact, in some ways, as much was accomplished during this 12-month period as in the five years since the Faculty was organized.

The volume of research was triple that carried out during last year, the first candidates were enrolled in a Ph.D. programme, considerable progress was made in planning a new course work Master's programme, curricula for interdisciplinary graduate courses in environmental studies and biochemical engineering were developed, and no less than seven persons were recruited for the full-time academic staff.

These things could not have come about without the hard work and devotion of all members of the academic, technical and clerical staff. The co-operation of everyone is sincerely appreciated.

Curriculum Development

A completely satisfactory curriculum is not attainable; on the other hand, we must strive continuously to improve what we have. During September 1965, in answer to the need for a continuing study and revision of the curriculum, a Curriculum Committee was set up to be responsible to the Council of the Faculty and to the Engineering Science Division of the Faculty of Graduate Studies for undergraduate and graduate curricula respectively.

The first committee, under the chairmanship of Professor G. F. Chess, was requested to concentrate on three major topics for the year 1965-66: the co-ordination of the first year Engineering Science programme with General Science I; the re-institution of a common second year in the undergraduate Engineering programme. The committee was

also responsible for a study which recommended setting up a teaching computer facility. In each case the committee is to be congratulated for the manner in which it dealt with the problems involved and for the way in which recommendations were brought to the Faculty.

The most far reaching recommendation of the Committee called for changing the first year curriculum so that it corresponded course for course with the first year General Science programme offered in the Faculty of Arts and Science. Thus, beginning in 1966-67 the two programmes are interchangeable so that a first year engineering student can proceed to two years in an Arts and Science programme without loss of credit and likewise a student, having obtained the required standing, may transfer from first year science to second year engineering.

Although the Committee did not succeed in re-instating the common second year, much valuable data was gathered which will be useful in further deliberations on this topic.

The curricula for the third and fourth years of the materials Science programme were developed, referred to the Faculty Council, and were ultimately approved by the Senate.

The Master of Engineering Programme

By May 1966 the Committee had drafted a proposal for a course work programme leading to the degree of Master of Engineering. The need for such a programme was outlined in the preamble to the proposal:

Engineering education should be examined in the light of three critical factors, the rapid expansion of technological information, the increasing extent to which technicians were able to perform many so-called engineering functions, and lastly, the vital need in Canadian industry for a greatly expanded research and development capability. These conditions emphasize the necessity of an academic programme founded on a broad understanding of fundamentals and at the same time point to an ever increasing need for engineering graduates possessing a high level of competence and sophistication in their chosen specialty. An analysis of our present curriculum reveals two weaknesses; our undergraduate programme does not develop to a high enough level the engineering skills for that group of students who have shown special aptitude for analysis, design and development work. And secondly, our present M. E. Sc. programme being research

oriented does not fulfill the needs of this same group of students, or of those engineers in practice who wish to attain a higher degree of competence through a post graduate degree course. A course work programme to meet this need can be offered on a limited basis under the existing academic regulations for the M. E. Sc. However, in order to expand the programme and to distinguish between the course work programme and the research oriented programme, it is proposed to create the degree of Master of Engineering (M. Eng.) for the former, and retain the degree of M. E. Sc. for the latter.

The proposal was drafted June 19, 1966 and will be presented to the Faculty of Graduate Studies in the autumn. If the proposal receives approval of the Faculty and Senate, the new programme may be offered in September 1967.

A Computer Facility for Teaching

The Ad Hoc Committee on Teaching Computers was an offshoot of the Curriculum Committee. Its role was to analyze present instruction in computing science for engineering students and to make recommendations which would ensure that the undergraduate received real benefit from the digital computing service during his course and that he was well prepared to make the fullest use of this equipment in his future professional career. The committee reported that instruction in computing science in the third and fourth year tended to treat the subject in isolation and possibly as an end in itself, rather than as an integral part of the curriculum and an aid in the study of engineering science. It was, therefore, recommended that a small computer be obtained to support teaching within the Faculty. It was further recommended that students be taught the rudiments of computer science by the beginning of the second year so that they would be able to use the facility as an educational aid as early as possible. It was realized that, if this plan was to succeed, members of Faculty would first have to become familiar with the capabilities of the computer and become proficient in making full use of these capabilities. This accomplished, it would be relatively simple to relate the teaching of engineering science courses to the computer.

The Ad Hoc Committee report and recommendations were referred to the University Computer Advisory Committee to ensure that the equipment proposed was, in fact, justified and further that it would be compatible with other systems on the campus.

The University Committee approved the plan, tenders were called and a contract was signed to rent an I. B. M. 1130 system. In order to achieve delivery by September 1966, I. B. M. proposed to provide, on a temporary basis, an I. B. M. 1620 with additional 20K storage. The 1130 will be installed by July 1, 1967.

The Ad Hoc Committee plans to devote the academic year 1966-67 to faculty orientation and to the development of a new undergraduate programme in Computer Science which would become effective for the fall of 1967. If present recommendations are followed this instruction will be introduced at the second year level.

Environmental Engineering

In 1964 the Ontario Department of Health began to support research in air pollution control and abatement. The work, which began under Professor J. L. Kearns and was continued by Professor I. I. Inculet, has steadily expanded so that now three members of faculty are attacking the problem of air pollution from different points of view. This broad approach has gained the support of officials of the Industrial Hygiene Branch of the Ontario Department of Health which has led to a study of the possibility of beginning a post graduate programme at Western to educate engineers for work in the air pollution field.

As plans progressed, it was thought advisable to consult with the Ontario Water Resources Commission in order to broaden the scope of the programme to encompass water pollution problems.

Preliminary discussions involved not only government officials but also faculty members from a number of departments including Botany, Biochemistry, Bacteriology, Medicine and Physics.

In March 1966 an Ad Hoc Committee for Engineering Studies in Air and Water Pollution was organized. The Ad Hoc Committee met for the first time on May 13 to discuss the type of post graduate programme best suited to current needs, the course of candidates and to gain some idea of the number of graduates which would be required in the immediate future. The following attended this meeting:

From the Faculty: W. Bulani, R. M. Dillon, I. I. Inculet (Chairman), and K. A. Shelstad.

From outside the Faculty: J. M. Beeckmans, Asst. Prof., School of Hygiene, University of Toronto; D. S. Caverly,

General Manager, Ontario Water Resources Commission; W. B. Drowley, Chief of Air Pollution Control Service, Ontario Department of Health; D. R. Hay, Sr. Professor, Dept. of Physics, U. W. O. ; C. J. Hickman, Chairman, Dept. of Botany, U. W. O. ; D. A. Hutchison, Medical Officer of Health, City of London; N. M. Lefcoe, Professor, Dept. of Medicine; R. G. E. Murray, Head, Dept. of Bacteriology, U. W. O. ; R. J. Rossiter, Dean, Faculty of Graduate Studies, U. W. O. ; K. H. Sharpe, Director, Sanitary Engineering Division, Ontario Water Resources Commission; E. Y. Spencer, Agricultural Research Institute, U. W. O. ; R. B. Sutherland, Director, Environmental Health Branch, Ontario Department of Health; and R. J. Woxman, President, London Chamber of Commerce.

The Ad Hoc Committee has been requested to make recommendations to the Curriculum Committee regarding the institution of a course work programme leading to the Master's Degree. A proposal will be ready in the fall of 1966.

Biochemical Engineering

A long-term objective of the Faculty has been the development of a strong bio-engineering programme at Western. Planning for this began in 1963 when, with the co-operation of the Faculty of Medicine, a University Bio-engineering Committee was formed. This group has functioned principally in an advisory capacity and as an information clearing house, but in a number of instances has arranged for University representatives to attend Bio-engineering Conferences.

Bio-engineering activity within the Faculty has steadily increased. In addition to developments like the proposed programme of environmental studies described above, good progress is also being shown in research programmes directed by Professor Young and Professor Inculet. An outgrowth of Professor Young's research has been a proposal for a course in Biochemical Engineering, perhaps at the Master's level. Professor Bulani has played a leading role in cultivating the interest and support of members of the Faculty of Medicine and the College of Science. He has succeeded within the University and has gained widespread support from industry.

A conference of biochemical engineers and scientists is planned for July 19, 1966 at which the feasibility of a course for biochemical engineers will be discussed. It is also hoped that knowledge

as to the value of such a course and the demand from various sectors of industry will be gained. Canada Packers Ltd. has offered the facilities of their research laboratories for the conference and representatives have been invited from John Labatt Limited, Connaught Medical Research Laboratories, Division of Bio-Science National Research Council, Fisheries Research Board, and the Food Research Institute, Department of Agriculture.

Further development in this field awaits the appointment to the Faculty of a senior biochemical engineer.

The Growth of Research in 1965-66

Those responsible for research programmes in Engineering Science achieved a remarkable record during 1965-66. In this year the level of research, as measured by dollar expenditures, tripled that of the previous year. This increased activity has been carried out with the same high standards which the Faculty has already established. Emphasis continues to be placed on interdisciplinary projects.

Boundary Layer Wind Tunnel

The Boundary Layer Wind Tunnel was officially opened on November 26, 1965 by Dr. K. F. Tupper, Vice-President (Scientific), National Research Council. To mark the occasion of the opening in a technical manner, Dr. A. G. Davenport, Director of the Tunnel, organized an inaugural Symposium on the Study of Wind Effects. This was held on February 21, 1966, with approximately 40 persons attending from the National Research Council, National Aeronautics and Space Administration, the Federal Department of Transport, University of British Columbia, Colorado State University, McGill University, New York University, University of Toronto, Hydro Electric Power Commission of Ontario and the University of Michigan.

Since the inauguration, Professor Davenport has received research grants in excess of \$140,000. Five undergraduates have completed their fourth year on topics which made use of the tunnel. Two graduate students are undertaking research projects in the wind tunnel. Current major research topics have included an evaluation of the static and dynamic loading on hyperbolic cooling towers, a subject of concern among structural engineers since the collapse of three such structures at Ferrybridge in the United Kingdom last November. Research also includes investigation into the wind loading of space vehicles used by NASA. The behaviour characteristics of two very tall buildings are

being investigated, one a 55-storey building for the Seattle First National Bank in Seattle, Washington, and another, a 75-storey building for the United States Steel Company in Pittsburgh, Pennsylvania.

Mr. N. Isyumov, a graduate of this University was appointed Research Engineer in the Wind Tunnel.

Model Studies of Blood Flow and Artery Dilation

A biomechanical engineering project under the direction of Professor J. E. K. Foreman involves model studies of turbulence patterns and eddy frequencies, pulse frequency and harmonics, the probability of cavitation, and wall vibrations associated with the pulsatile flow of blood through constrictions in arteries. An attempt is being made to relate the cause of dilatation in the artery to structural fatigue in the artery wall. Pressure transducers, which detect turbulent fluctuations of very small magnitude over a wide frequency range in a moving fluid have been developed. The pressure spectra based on steady state flow obtained with these transducers compare favourably with the frequency spectrum of particle tracer motion obtained photographically. The developed model simulates the pulsatile flow characteristics through the femoral artery of the dog.

Pulsatile flow tests to date have indicated a wide band of pressure spectra, extending from an upper frequency of 250 cycles per second down to a pulse frequency of 2.5 cycles per second. These tests have also shown that, in addition to the flow signals associated with turbulence, the pulse frequency and its harmonics play a significant and, perhaps, predominant role in the pressure spectrum observed in the post-stenotic region of the model femoral artery. On the basis of the results obtained to date, it has been decided to conduct similar tests in vivo.

Funds to support this work have been provided by the Medical Research Council.

Chemical Engineering Research

Members of the Chemical Engineering Group have adopted a policy which concentrates future research activity in the field of chemical process studies. The group plans to develop strength in traditional catalytic process studies and concurrently build up new biochemical process studies.

Considerable progress was made in the latter case by Professor M. M. Young who continued his research activities in the area of transport phenomena which have led to the identification of new design criteria for process equipment in the chemical and biochemical industries.

Correlation for mass and heat transfer rates in mixing vessels have been developed. Professor Young's work has laid the foundation for one of the first biochemical engineering programmes in Canada.

A number of research projects in catalytic process studies are being conducted by Professor K. A. Shelstad; these, in general, have two broad objectives. Some are aimed at a better understanding of the processes by which large volume petrochemicals are produced, while others are concerned with improved methods of air pollution control through the development of efficient catalysts, and techniques to achieve combustion of small amounts of toxic contaminants in air. The first group of projects is of special significance to the petrochemical industries located in Sarnia, while the second group complements the Environmental Engineering research in air pollution control and abatement being conducted by Professor Inculet.

Research in Air Pollution Control

Professor Inculet's research project in air pollution control has received \$44,000 from the Ontario Department of Health, making it one of the major faculty projects. An experimental precipitator has been developed which incorporates controllable turbulence and other features thought to be new. Tests show high precipitation efficiencies in the sub-micron range, and applications in air conditioning systems for hospitals and other commercial applications are foreseen.

Research is continuing on static electrification of idealized aggregates. This project, sponsored by the National Research Council, has demonstrated the desirability of exploring electriciation in high vacuums and under the influence of an external electric field.

Solar Collectors

Professor R. K. Swartman is investigating the use of packed beds comprised of stones as solar collectors. Preliminary results indicate better economy with efficiency as high as that for conventional collectors.

Structural Research

A number of structural engineering research and development projects conducted by Professor A. J. Hartmann and Professor N. J. Gardner were related to contract work in the wind tunnel.

Soil Mechanics

A number of research contracts awarded to Professor R. M. Quigley have dealt with special analytical problems in soil testing. This project is providing valuable data for both teaching and further research.

Heat Transfer and Thermodynamics

Dr. E. S. Nowak's research this year has been concentrated on a project which is the first of its kind in North America. The aim is to measure the calorimetric properties of heavy water with an accuracy of one per cent. The project, supported by Atomic Energy of Canada Limited and the National Research Council, will produce data, more precise than that now available, which could save several hundreds of thousands of dollars in fabrication and operating costs in future Canadian designed nuclear power plants. Support from the two sponsors has amounted to approximately \$67,000 for the year 1965-66.

During the past year a complex non-flow calorimeter was designed, fabricated and assembled. The results obtained from this prototype indicate that the calorimetric properties of heavy water can be measured with a precision of two to three per cent. Improvements have already been effected in a first attempt to increase the reliability, and Dr. Nowak is proceeding with plans for a second, more accurate calorimeter which will achieve the desired result.

The design and fabrication of the prototype involved the solution of a number of new and complex problems. The calorimeter shell was in the form of a thin-walled hollow sphere made from a new alloy of Beryllium Nickel. The heat diffusion system consisted of 14 circumferentially heated fine silver discs, mounted inside the calorimeter shell. These discs surrounded a metal bellows which was used to pressurize the heavy water contained within the calorimeter. The calorimeter was protected by a seven-inch diameter adiabatic shield which in turn was covered by a second heated shield ten inches in diameter. In order to reduce heat exchange, the surfaces of the calorimeter and the outer shields were plated with gold or silver. The temperature differences were measured by means of unique high precision gold-palladium thermocouples.

Materials Science

The newest group in the Faculty made good progress during the year. Dr. G. A. Geach, Chairman of the Materials Science Group, reports that a General Electric XRD-5 X-ray set was installed for diffraction studies and for fluorescent X-ray analysis. The diffraction work is in connection with a study of uranium-silicon alloys being undertaken for the Atomic Energy of Canada Limited, and the fluorescence studies are being done largely by members of the Soil Mechanics Group. The uranium-silicon alloy under investigation has properties making it attractive as fuel in future nuclear reactors, but much has yet to be determined about its properties.

Dr. C. Roy is working on two problems for Atomic Energy of Canada Limited. Zirconium alloys are used for sheathing the nuclear fuel and for the pressure tubes in nuclear reactors. As a result of corrosion, or absorption of hydrogen from the water or steam coolant, the alloys become brittle and consequently their lifetime operation is drastically shortened. The first study is aimed at explaining the mechanism by which the oxide breaks down mechanically during corrosion, and the second is to determine the brittle-ductile transition of zirconium hydride in the zirconium matrix.

Another project conducted by Dr. Roy is supported by National Research Council. Compression tests are performed in the temperature range 60 - 600° C on bi-crystals of calcium fluoride to further our understanding of the role that dislocations play in the mechanical behaviour of polycrystalline ceramics, to point out limitations of strength and ductility, and to suggest directions in which improvements may be made.

Engineering Science Colloquia

Between October 5, 1965 and March 22, 1966 ten colloquia were sponsored by the Faculty. Organized by Professor G. A. Geach, these talks were held in the Engineering Science amphitheatre weekly. Attendance fluctuated, but the response improved as the series progressed. The following is a list in chronological order of the speakers and their topics:

Dr. A. Roy, Chrysler Corporation of America, "The Gas Turbine Automobile"; Dr. A. C. Buron, Department of Biophysics, on "The Engineering of Red Blood Cells"; Dr. C. M. Carmichael of the Department of Geophysics on "Rock Magnetism"; Dr. W. Balderston of the Department of History on

"Fiery Meteros"; Professor L. S. Luachland on "Large Electric Power Systems"; Dr. W. B. Lewis of the Atomic Energy of Canada Limited on "Nuclear Power Prospects and the role of Materials"; Dr. M. M. Young on "Bubbles and Beer"; Dr. J. T. Wilson of the University of Toronto on "New Evidence and Implications for Continental Drift"; Dr. J. Convey of the Department of Mines and Technical Surveys on "Russian Technology"; and Dean R. M. Dillon on "A Research and Development Policy for Canada".

Development Plans to 1971-72

The Faculty of Engineering Science requires approximately 73,000 square feet of new assignable space in order to fulfill its commitment for undergraduate research and continuing education to 1971-72, and this space should be available by the fall of 1968. This is the recommendation of an extensive study on space requirements prepared for the Faculty Executive Committee in June 1966, which will be presented to the President for consideration by the Board of Govenors. The following excerpts from the report illustrate its salient features regarding the growth predicted for the Faculty during the next decade.

Enrollment

In 1962 a ceiling on undergraduate enrollment was set at 400 to be attained by 1970. Experience to date and a study of the latest forecast of R. W. B. Jackson's Undergraduate Enrollment Projection indicate that we probably will be graduating between 75 and 85 engineers per annum by 1971-72. This number could increase to 250 by 1976.

Research and Graduate Studies

Research in Engineering Science was begun in 1960 by Professor Bulani and Professor Davenport supported by the National Research Council; two years later graduate work started when the first four students were enrolled in the Master of Engineering Science Programme. Table 1 shows the progress to date in terms of faculty participation, expenditure, and graduate enrollment.

A detailed study of the future development in research and graduate studies to 1971-72 was made, since it was for this purpose that the great majority of new facilities would be required. In setting up the

TABLE 1

<u>Academic Year Beginning</u>	<u>No. of Faculty Participating</u>	<u>Total Expenditure</u>	<u>No. of Graduate Students</u>
1960	2	\$ 3,973	0
1961	5	13,930	0
1962	10	24,765	4
1963	12	45,000	10
1964	17	79,408	17
1965	18	235,810	20
1966 (estimated)	21	325,000	30

guidelines for the forecast certain principles were adopted with a view to defining more precisely the Faculty aims and objectives.

1. We will continue to build on strength and to resist a tendency to expand in too many areas at once. We will support excellence, and so ensure the highest possible standard;
2. We will seek to co-operate with other faculties to help create new interdisciplinary research activity in the University;
3. Since resources are not unlimited we should seek to work in those areas not being developed by other universities, so that our programmes will complement, rather than compete directly with, other engineering schools in the province.

The forecast indicated that by 1971-72 an equivalent of 30 staff members will be required to conduct our research and graduate studies programme in addition to an estimated 20 required for undergraduate instruction. An additional 20 could be employed by 1976-77.

Continuing Education

During the next ten years the Faculty must accept a much greater responsibility for the continuing education of professional engineers in the community. This will involve an increase in the number of sessional lecturers appointed from the practising profession, and more extensive use by practising members of the profession of our library and conference facilities.

Supporting Staff

The growing importance to the Faculty of University-industry co-operation and the increasing dependence on the engineering shops to support research and teaching will necessitate a larger supporting staff. Careful consideration has been given to future needs for technicians, and clerical and other administrative personnel.

Requirement for Next Decade

Table 2 shows the growth of Faculty, staff and student enrolment over the next decade, Phase I to 1971-72 and Phase II to 1976-77. Table 3 gives a breakdown of the space requirements for Phase I, compared to that now in use. Phase II would require additional assignable space between 35,000 and 45,000 square feet.

Student Affairs

Undergraduate Engineering Society

Dr. Murray Young, well-known folk singer, provided the feature entertainment at the Annual Engineers' Ball held at the Hotel London in February 1966. Patrons were Professor and Mrs. L. S. Lauchland.

The Graduation Banquet was held at the Holiday Inn, Downtown in March. Mr. Gordon McHenry, Manager, Western Region of Ontario Hydro, guest speaker, addressed the graduating class on the subject of "Collective Bargaining for the Engineering Profession". Mr. L. G. Sentance, Executive Director of the A. P. E. O. was also a guest. Following dinner the Faculty entertained the class of '66 in the Officers' Mess, Dundas Street Armouries.

After many years of coming second to the Nurses, the Plumbers finally managed to out-bleed all competition and win top honours in the 1965-66 Annual Blood Drive.

Engineering Institute of Canada, U. W. O. Student Section

In November, members of The University of Western Ontario Students' Section were special guests of the Association of Professional Engineers of Ontario - Engineering Institute of Canada, Joint Technical

TABLE 2

	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>1969</u>	<u>1970</u>	<u>1971</u>	<u>1976</u>
Faculty	32	36	44	46	48	50	70
Undergrad. Enrol.	280	315	350	380	415	450	450
Graduate Enrol.	30	40	58	75	115	150	250
Supporting Staff (Tech., Clerical, Admin.)	24	27	30	40	43	45	75

TABLE 3

Requirement for Phase I (1971-72)Assignable Area in Square Feet

<u>Type of Activity</u>	<u>Total Area Required To 1971-72</u>	<u>Area to be found in existing building</u>	<u>Area to be located in pro- posed addition</u>
Lecture rooms, seminar rooms, conference rooms	11,330	6,890	4,440
Faculty, post-doctoral and general offices	12,860	3,280	9,580
Graduate student study space (75)	3,500	nil	3,500
Research laboratories	37,300		37,300
Teaching laboratories	23,260	20,760	2,500
Workshops	9,100	nil	9,100
Library	4,000	nil	4,000
Computer Facility	800	800	nil
Lounges for Faculty, female staff and students	<u>2,500</u>	<u>nil</u>	<u>2,500</u>
	104,650	31,730	72,920

Meeting held at Huron College. The speaker was Mr. Tom Kierans, consulting engineer from Sudbury, who described his proposal, the Grand Canal Scheme, for diverting fresh water from James Bay into the Great Lakes Basin.

Dr. Lyle Streight, Principal Engineer, DuPont Company of Canada Ltd. was guest speaker at the Joint E. I. C. - U. E. S. Supper held at St. Matthew's Church in February. Dr. Streight spoke on "Engineering Responsibilities in the Chemical Industry".

The student section was co-sponsor for the Annual Student Technical Night at which the best student theses are presented. This year the judges declared a tie to top honours and Messrs. H. O. P. Gross and J. M. Thompson, both received an award of \$50.00.

Mr. David G. Humphries, Vice-Chairman of the Section, attended the Annual General Meeting and Student Conference of the E. I. C. at Winnipeg in May 1966.

Student Field Trips

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

Second Year: General Steel Wares Ltd., London, November 22, 1965, half the class, November 29 half the class; Steel Company of Canada, Hilton Works, Hamilton, November 30; Northern Electric Company Ltd., Apparatus Division, London, February 8, 1966.

Third Year: Canadian Westinghouse Company Limited, Distribution and Apparatus Division, London, March 8, 1966.

Fourth Year: Imperial Oil Enterprises, Engineering Division, Sarnia, February 15, 1966.

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

Civil Group: Fourth Year attended the E. I. C. Regional Conference, Toronto, November 26, 1965. The Third Year students organized a visit to the site of Expo '67 which took place on February 23, 1966.

Electrical Science Group: Members of the Fourth Year class visited the Hydro Electric Power Commission of Ontario Laboratories in Toronto, November 18, 1965, and also the Canadian General Electric Transformer Plant at Guelph on February 3, 1966. The Third Year visited the Sparton of Canada Plant at London, November 4, 1965.

Mechanical Groups: The Fourth Year visited the Shell Company of Canada Limited, October 7, 1965. Third and Fourth Year visited Timberland Ellicott Company and Timberjack Machines, Woodstock, November 10, 1965. Third and Fourth year students visited the Society of Automotive Engineers Seminar in Toronto, November 17, 1965. Fourth Year visited John Labatt Limited, London, December 14 and the S.A.E. Winter Meeting in Detroit, Michigan, January 12 and 13, 1966.

Chemical Engineering Option: Fourth Year visited Shell of Canada Limited on October 14, 1965.

Continuing Education

Professor R.K. Swartman was appointed to co-ordinate Continuing Education activities. Plans are being made to offer an increased number of non-credit evening courses through the Department of Extension, beginning in the fall of 1966. Professor Swartman has consulted with Dr. Andrew Hunter, Co-ordinator of Continuing Education, who has provided valuable advice regarding their Continuing Education programme.

Board of Governors Advisory Committee on Engineering Science

The Seventh Annual meeting of the Committee was held on November 25, 1965. The principal item on the agenda was a discussion of the American Society for Engineering Education Report, "Goals for Engineering Education". The meeting was attended by E. V. Buchanan, R. E. Chapman, J. B. Cronyn, R. L. Hearn, M. A. Leishamn, G. M. McHenry, J. C. Maguire, A. Porter, D. B. Strudley (Chairman), K. F. Tupper, J. P. Carriere, W. A. Woodcock, R. J. Uffen. The following members of Faculty also attended this meeting: W. Bulani, G. F. Chess, W. H. Davis, J. E. K. Foreman, G. A. Geach, L. S. Lauchland, E. S. Nowak, L. G. Soderman.

Visitors

Dr. Gaetan J. Cote, President of the Engineering Institute of Canada, visited the Faculty in January 1966, when he presented the E.I.C. Student Prize to Mr. Richard Patrick, President of the Undergraduate Engineering Society. Dr. Cote addressed the student body on the responsibilities of young engineers in today's society.

Dean Charles L. Tutt of the General Motors Institute, Flint, Michigan, spoke to the Faculty in January on "Corvair Design Characteristics".

The Dean of Agriculture, Dr. Prasob Buranamas and the Dean of Engineering, Dr. Vithya Peanvichitr of the University of the North East at Khon Kaen, Thailand, paid a week-end visit to the Faculty in December 1965.

FACULTY OF LAW

Report of the Dean

Professor A.W.R. Carrothers

Students

Registration and Other Statistics

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

Western Law Review

Volume five 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 -- Stephen N. Adams
Associate Editors -- Wilfred D. Jenkins
 Jagdat V. Toolsie
Business Manager -- R. Bruce Waite
Advertising Managers -- Peter Hubbard
 Lawrence A. Wright
Assistant Advertising Managers -- Jerry N. Buchanan
 Robert W. Stanley
Faculty Advisor -- T.C. Hartley

The volume, containing 176 pages of text, contains articles and a book review each from a member of faculty, a former student and law teachers overseas. The volume also reproduces papers given in a special lecture series on The Law Relating to Infants at the Faculty of Law under the sponsorship of the Board of Trustees of the Middlesex Law Association, in which Professor Payne participated.

STUDENT STATISTICS UWO 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 25 or Over	Married	Sat for Exams	Reg'd	Hons. & Dean's List	Other
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	6	15
1962-63	54	34	31	36	44	10	10	49	37	9	21
1963-64	74	55	53	50	65	9	13	68	36	9	23
1964-65	57	45	42	30	50	7	11	50	50	7	27
1965-66	84	67	67	34	75	9	9	76	47	10	34

Moot Courts

Under the chairmanship of Mr. W.C. Hamilton the Student Moot Court Committee conducted a successful series of moots during the past year. Participation in the Moot Court programme was not as extensive as it had been in previous years, in part at least because of the institution of compulsory moots in the First Year, but this was balanced by the fact that those moots which were held were of a high calibre. The respective benches must be singled out for praise in this regard. Mr. Hamilton sought out members of the Bar and encouraged them to take an interest and a part in the conduct of the Moot Court. The result of this was twofold. First, the Bench brought to the proceedings a familiarity with courtroom technique. Second, a liaison was developed between the Law School and the members of the Bar on which may be built a closer relationship in the future. Insofar as the Moot Courts have provided a way of allowing both the practising and the teaching branches of the profession to co-operate in this aspect of legal education, they have served as a useful device for "bridging the gap".

There follows a breakdown of the operations of the Moot Court for the year.

1. Participation

- a) First Year -- 4 out of 84 = 5%
- b) Second Year -- 16 out of 48 = 33-1/3%
- c) Third Year -- 8 out of 48 = 16-2/3%

2. Semi-Finalists

R.N. Clarke, S. Cameron, N. Hunt, A. Szalkai

These gentlemen appeared before a Bench consisting of:

Carrothers, J. (Dean of the Faculty of Law)
 Stewart, C.J. (Judge of the High Court of Ontario)
 Coulter, J. (Judge of the County of Middlesex)

- 3. Finalists chosen to represent U.W.O. at the O.L.S.A. inter-faculty moot competition were R.N. Clarke and S. Cameron.

Graduates: Bar Admission Examinations

The list of successful examinees in the 1966 Bar Admission Examinations for the Province of Ontario was headed by R.D. Yachetti (winner of The Treasurer's Medal, The Law Society First Prize; the Lawyers' Club First Prize) who graduated from The University of Western Ontario in 1964 at the head of his class. All candidates in the Bar Admission examinations who were graduates of this University were successful.

Library

During the year 1965-66, the library added 2,827 volumes to its holdings. This constituted a substantial rise in numbers from the previous year when only 1,642 volumes were purchased and 600 volumes were given to the library. The present number of volumes in the library is 24,368, consisting of 16,140 volumes of law reports, 4,344 law journals and 3,884 treatises. The most significant additions to the library were in the areas of law reports from South Africa and Australia, and law journals from the United States.

Special Lectures

The Faculty of Law arranged a series of special lectures by distinguished scholars during the academic year 1965-66. The programme presented was as follows:

On Monday, November 8, 1965, Sir Arthur Tyndall, former Chairman of the New Zealand Industrial Court, addressed a general assembly of law students on "Industrial Relations and the Law";

On Monday, November 15, 1965, Professor Jacob S. Ziegel, of the University of Saskatchewan, addressed a general assembly of law students on "Reform of the Law Relating to Secured Transactions";

On Thursday, November 25, 1965, Professor A. Fatouros, of the University of Indiana and formerly of the University of Western Ontario, addressed a general assembly of law students on "Recent Developments in International Economic Law";

On Monday, November 29, 1965, Professor H. Kalven, of the University of Chicago Law School, addressed a general assembly of law students on "The Jury";

On Wednesday, December 8, 1965, Professor J.L.J. Edwards, Director of the Centre of Criminology at the University of Toronto, addressed a general assembly of law students on "Aspects of Criminology";

On Wednesday, December 15, 1965, Miss O.M. Stone, Reader in Law at the University of London, England, addressed a general assembly of law students on "The Position of Children under the Law of Domestic Relations";

On Monday, February 28, 1966, Dr. J. Spencer, of the School of Social Work at the University of Toronto, addressed a general assembly of law students on "Social Science and the Idea of Crime";

On Monday, March 14, 1966, Professor Martin Friedland, of the University of Toronto Faculty of Law, addressed a general assembly of law students on "Developments in Security Regulation in Canada".

Interdisciplinary Studies

Association of members of the Faculty of Law with persons in other disciplines in the pursuit of intellectual goals is one which the Faculty continues to value highly.

Professor Adler participated in the Graduate Political Science Seminar 560, and gave a paper to a Seminar on Population Studies and Urban Research in Canada.

Professor Brandt conducted part of the course in Public International Law in Middlesex College, and gave a paper on "Canada Today: A Constitutional Viewpoint" to a seminar for Senior Nursing Executives.

Professor Hinnegan gave the course in Commercial Law in the School of Business Administration and a course in Law in the School of Journalism.

Professor Payne presented seminars to the Canadian Association of Purchasing Agents relating to contracts for the sale of goods, a paper entitled "The Law and the Nurse" to students in the Faculty of Nursing, and a paper entitled "The Law and the Doctor" to students in the Faculty of Medicine. Professor Payne was also appointed the intermediate law examiner for the Institute of Chartered Accountants of Ontario.

Professor Prentice participated in a panel discussion in May 1966, in a medical seminar at Victoria Hospital, on "Moral, Legal and Medical Problems of Ovulation Suppression".

Once again the Department of Geography took part in a Law Faculty seminar in Community Planning.

Growth of the Faculty of Law

The Faculty of Law is facing an exciting period of growth, both physical and intellectual.

In the Annual Report for 1964-65 reference was made to pressure of enrollment and the need for an extension to the building to meet Western's responsibilities in the field of legal education. In January 1966, the Faculty prepared and presented to the President and the Board of Governors a re-appraisal of its position in the total scheme of legal education in Ontario, including a recommendation for expansion. The report was approved in principle and the University Affairs Committee of the Government of Ontario has since given its approval in principle to the plan.

As mentioned in a preceding section, the library of the Faculty of Law increased by 2,827 volumes. We expect the rate of increase to accelerate in keeping with the general expansion of the Faculty, the intellectual growth of the academic staff, the trend toward specialization, the increasing pressure to recruit and retain men of first line calibre on the teaching and research staff, and with the growth expectation the Faculty of Law will eventually offer a programme of graduate studies.

In accordance with the general programme of studies approved by the Senate in January 1965, the Faculty of Law made plans in the 1965-66 term for an expansion of offerings in the 1966-67 term. In addition to subjects previously on the curriculum we will offer in 1966-67 courses or seminars in Family Law, International Business Transactions, Research and Legal Writing, Accounting and Finance, Contemporary Urban Problems, and Estate Planning.

ALTHOUSE COLLEGE OF EDUCATION

Report of the Dean

Professor W.S. Turner

When it became apparent that the completion of the College building would be delayed well beyond the date of the opening of the first academic year, September 1965, alternate arrangements for temporary accommodation were made with the London Teachers' College and the Ontario Vocational Centre. The Faculty of Althouse College is deeply appreciative of the gracious manner in which Principal Biehl and the staff of the London Teachers' College, despite the dislocation of their regular programme, assisted in planning and implementing a shift system to provide afternoon accommodation from September to December for the Faculty and students of Althouse College. Equal gratitude is felt for Principal Rawson of the Ontario Vocational Centre for making commercial and technical areas available during our homeless period.

Despite continuing construction and its concomitant difficulties, Faculty and students occupied the building in January 1966. The move to the new building and the opportunity of following a normal programme and emphasizing extracurricular activities proved to be a real fillip to Faculty and students alike. The design of the building and its suitability to a programme of teacher training have elicited many favourable comments from the Faculty and interested visitors. When the enrollment justifies an addition to the building, careful attention should be given to the need for accommodating a programme in television arts; more adequate accommodation for courses in business and commerce, particularly data processing; additional lecture rooms; and a suitably designed area for school librarianship, including sufficient accommodation for demonstration libraries. If it is possible to integrate the school librarianship programme at Althouse College with the courses leading to the M.L.S. degree in the new Library School, University of Western Ontario, early attention should be given to the recommendation concerning school librarianship and the demonstration libraries.

Serious consideration should be given at an early date to the installation of a system of air-conditioning. Since summer courses will undoubtedly be a continuing responsibility of the College, some form of temperature control to neutralize the effect of a liberal use of glass without traditional means of ventilating is of prime importance.

As long as summer courses provide an alternate route to certification, substantial increases in the winter course can hardly be anticipated. The impact of the summer programme is revealed in the 1965-66 registration at Althouse College. The total registration of 195 was distributed as follows: Type A Courses, 58; Type B Courses, 81, Business and Commerce Courses, 11; Vocational and Occupational Courses, 28; Integrated Programme involving degree-holding students registered at the London Teachers' College, 14; and three part-time students. It is interesting to note that 90 students took advantage of the opportunity of taking academic courses on campus; 74 at the undergraduate level and 16 at the graduate level. It is expected that the opportunity to take academic courses at the undergraduate and graduate levels together with financial assistance in the form of Type A Fellowships, authorized by the Minister of Education in the academic year, 1965-66, and inter-campus transportation will encourage scholarly graduates to register for winter courses in preparation for secondary school teaching.

In addition to their normal duties in the College, members of the Faculty contributed in a variety of ways to educational programmes and activities.

With very few exceptions, members of the Faculty served on curriculum committees organized under the auspices of the Department of Education. Professor K. English acted as a consultant during the preparation of a textbook, Art for Secondary Schools (Holt, Rinehart and Winston); and served on the following committees: the Executive and Advisory Council, Ontario Society of Education Through Art; and the Women's Committee, Art Gallery, London.

Professor Evelyn Barnett gave six talks on topics related to Business and Commerce.

Professor John Walsh gave an address in Vancouver to teachers involved in data processing; attended the Minister's Information Systems Conference and the Conference on Common 1620 and 1130 Users; and held membership in the Data Processing Management Association and Users Group, 1620 and 1130 for Canada.

Professor H.J. Kaluza acted as Chairman, Co-ordinating Committee, planning a uniform course of study in Business Practice Methods for London, Toronto, Ottawa and Kingston.

Professor G.R. Lambert acted as Canadian representative for the Joint Association of Classical Teachers of Great Britain, and held membership in the following associations: the Ontario and Canadian Classical Associations; the Editorial Board of Classical News and Views; a journal of the Classical Association of Canada; the Joint Association of Classical Teachers, and the Classical Association, both of Great Britain; and the Classical Association of Middlewest and South, U.S.A.

Professor P.K. Schmidt was named a Senator of the Ontario Educational Association and a Director of the Ontario School Counselors Association; gave the keynote address at the International Guidance Conference, Massena, N.Y.; participated in the seminar on measurements on invitation of the Ontario Institute for Studies in Education and acted as Principal of the Department of Education Summer Course in Guidance in London.

Professor G. Milbum was President, Ontario History Teachers' Association during 1965-66, and attended the meetings of the Canadian Association of Professors of Education.

Professor J.J. Bowden participated in the professional development day organized by District 6, OSSTF and in the Conference of the Ontario Trustees' Association.

All members of the History Department contributed to the programme of the International Affairs Conference organized by the London Secondary Schools; sponsored "Five Conversations on Books"; and participated in a regional seminar on examinations.

Professor D.R. Campbell was a councillor of the Ontario Association of Teachers of Mathematics, Chairman of that organization's regional conference, and addressed two groups of teachers of Mathematics during professional development conferences.

Professor G.B. Lawson participated in the organization and administration of an experimental course in Computer Science for secondary school students given at The University of Western Ontario during July and August 1966; and represented Althouse College as a panelist discussing "Computer Science for Secondary Schools" at the Computer Science Association Conference at Sherbrooke, P.Q.

Professor A.W. Harris served as Vice-President, Ontario Mathematics Commission during 1965-66 and was elected President in September 1966; acted as Chairman of the Faculty Committee on the Appointment of an Assistant to the Dean; experimented with new materials

by teaching a Grade 10 class at Medway High School; served as a delegate to the Second Annual International Curriculum Conference; acted as Associate Editor, Ontario Mathematics Gazette.

Professors Campbell, Lawson and Harris acted as seminar leaders for a series of seminars conducted by The University of Western Ontario for Grade 13 teachers.

Professor Dawson Woodburn has been appointed Chairman of the Biennial Convention of the Canadian Music Educators Association; lectured in Music 27 at the College of Music, University of Western Ontario and conducted the College of Music Chorus; adjudicated at the Rotary Music Festival in Newfoundland; visited two schools in Budapest, Hungary, during the summer of 1966, to study the use being made of the Kodaly System.

Professors Kieser, Baldwin and Boyd are active members of the Ontario Modern Language Teachers' Association.

Professors West, Montgomery and Paterson, through arrangements with the London Board of Education, planned for experimental classes in Physical Education from the University Heights Elementary School; developed a concept approach to the teaching of health education for experimental purposes in the Kitchener and London Schools; assisted with the London Conference Coaches Clinic held at Althouse College; promoted a House Athletic Programme involving faculty and students; and maintained a liaison with secondary schools by accompanying departmental inspectors on some of their official visits.

Professor Fran Wigston has been named to the Canadian Olympic Women's Basketball Team; is Vice-President, Eastern Canada Basketball Association; and directed clinics on track and field and volleyball teaching and coaching methods at the Lakehead and London, respectively.

Professor P. Montgomery conducted two clinics on Movement Education.

Professor W. Paterson acted as Secretary, Ontario Physical Education Teachers' Association.

Professor N. West was Chairman, Awards Committee, Ontario Educational Physical Education Teachers' Association.

Professors Adler and Harper held cross appointments with the Department of Psychology at Middlesex College. Professor A.G. Slemon was a member of the Provincial Advisory Council, Ontario Association for the Mentally Retarded and of the Committee on Professional Affairs, Canadian Psychological Association.

Professor J.G. McMurray was elected President, 1966-67, of the Ontario Psychological Association; is a member of the Ontario Board of Examiners in Psychology Incorporated; Advisor, Educational Committee in Educational Psychology, Middlesex College, member, Canadian Psychological Association, Committee of Regional Advisors; representative, Ontario Board of Examiners in Psychology to the American Psychological Association, American Association of State Psychology Boards; representative, Ontario Psychological Association, Conference of Officers of State Psychological Associations; member, Metropolitan Toronto Educational Research Council Inc., and the Reading Committee, Ontario Curriculum Institute.

Professor H. Dene Webber has been elected a Fellow of the Chemical Institute of Canada; is Chairman of the Centennial Science Teachers' Conference, a regional conference of the National Science Teachers' Association to be held in Toronto in 1967; was Chairman of a sub-committee of the Chemical Education Subject Division of the Chemical Institute of Canada, charged with the responsibility of presenting a brief to the Hall Commission on the aims and objectives of education from kindergarten to Grade 6.

Professor J.S. Wright and Professor H.D. Webber planned and directed workshops for teachers of Grade 13 Physics and Chemistry, respectively.

The following resignations were received: Mr. G.K. Greason, Representative of the Committee on Advance Standing; Professor P. Montgomery, Department of Physical Education; and Mr. Vernon S. Ready, Assistant to the Dean.

Grateful acknowledgement is made of the valuable assistance provided by Mr. Ready in planning the organization and in administering the affairs of the College during the first academic year. Mr. Ready's appointment as Dean, McArthur College of Education, Queen's University, was acclaimed by all educators aware of his personal and professional qualities.

Following Mr. Ready's resignation a Faculty committee was appointed to recommend a successor and, after careful planning and

frequent meetings, the committee, under the Chairmanship of Professor A.W. Harris, agreed unanimously to recommend the appointment of Professor T.J. Casaubon. Professor Casaubon accepted the appointment and joined the Faculty July 1, 1966.

Among the many faculty committees, the following are making significant contribution to the internal and external activities of the College.

The Educational Policies Committee, under the Chairmanship of Professor J.G. McMurray, has assumed responsibility for keeping the programme under review. Since no one regards the present programme as sacrosanct to the degree that it could not be improved by an infusion of new ideas in teacher training, this committee has the opportunity to initiate recommendations for modifying the programme.

The Lecture Series Committee, under the Chairmanship of Professor J.D. Wilson, presented a lecture by Jean-Marie Martin, President, Superior Council of Education, P.Q. The uncertainties associated with the building and the fall programme prevented the Lecture Series Committee from presenting additional lectures.

The Graduate Studies Committee, under the Chairmanship of Professor G. Lambert, has, for some months, been involved in an intensive study of graduate programmes in education with a view to submitting recommendations during the present academic year for the consideration of the Faculty of Graduate Studies. In addition to examining the programmes offered at Michigan State University, the Committee was fortunate in having Dr. David E. Purpel, Director, Graduate Programmes in Education, Harvard University, as a consultant. Dr. Purpel's report will undoubtedly be of great value to the Committee.

The Professional Development Committee, under the Chairmanship of Professor G. Allison, was established to recognize the responsibility of the College to practising teachers and to co-ordinate the many requests for participation in conferences and professional development days.

Mr. R.W. Bass, Director of Practice Teaching, has received the complete co-operation of the Boards of Education, principals and teachers in implementing a very successful programme in the secondary schools in Southwestern Ontario. A Committee on Practice Teaching, with Mr. Bass as Chairman, and two representatives each from the principals, teachers and the College, was formed to consider matters pertinent to the successful operation of the programme.

Grateful acknowledgement is made of the first rate contribution of the Advisory Committee to the College in considering many and varied problems and in making recommendations that contributed substantially to the success of the initial year. Dr. Helen Battle and Professor T.J. Casaubon, representatives of The University of Western Ontario; Mr. A.G. McColl, representative of the Ontario Association of Secondary School Superintendents; and Mr. J.R. Thomson, representative of the Department of Education retired from the Committee on June 30, 1966. The following appointments become effective on July 1, 1966: Mr. Ward Cornell, representative of the Ontario Department of Education; Mr. J. Ord, representative of the Ontario Association of Secondary School Superintendents; and Dr. A.E. Raymond and Dr. R.H. Stinson, representatives of The University of Western Ontario.

Unavoidable delays in organizing the Students' Council did not militate against the first rate impact of this organization on all matters affecting the welfare of the students. It was through the efforts of the President, Mr. Douglas Ritchie, and all members of the Council that spirit of goodwill was developed and sustained throughout the year.

BRESCIA COLLEGE

Report of the Dean

Mother M. Dominica

This year Brescia College realized an 18% increase in enrollment resulting in the highest enrollment to date. Academic achievement is also improving since proportionately more students made the Dean's Honour List.

Three members of the Faculty and one student distinguished themselves by winning grants for research or further study. Mother M. St. Michael received \$1,000 from the Canada Council to continue work this summer at Harvard on her book, Man: Work and Leisure. Mother M. Corona was awarded \$800 from the Canada Council to begin research for her second book on the American novel. Mother M. Perpetua received a Canada Council Pre-Doctoral Fellowship of \$1,800 and an Ontario Fellowship of \$1,500 for her studies at Queen's University. Sister Scholastica was awarded a Canada Council Pre-Doctoral Fellowship of \$2,500 plus travel expenses to study at Harvard.

Several Faculty members were appointed to Commissions preparing for the forthcoming Diocesan Synod. They are Reverend G. Quenneville, vice-chairman, and Mother St. Catherine, Lay Apostolate; Mother St. Paul, Ecumenism and Religious Liberty; Mother Corona, Communications; Mother Rosanna, Social Life; Mother St. Michael, Universities and Colleges.

New appointments to the College Faculty were: Sister M. Olga, B.A., M.A., University of Alberta, lecturer in psychology, and Rudolph Ffrench, M.A., Queen's University, part-time lecturer in economics.

The annual Brescia Lecture Series included the following speakers and artists:

Mr. Claude Jodoin, President of the Canadian Labour Congress on "The Role of Free Trade Unions in Canada and the World";

Dr. Mason Wade on "The French Canadians";

Rev. Raymond de Jaegher, M.A. on "Viet Nam Today";

Mr. Alan Mills on "Canadian Folk Music";

Dr. Paul Fox, professor of Political Science at the University of Toronto on "The New Face of Canada";

Most Reverend G. Emmett Carter, D.D., Ph.D. on "The Tale of Two Popes".

The Department of Home Economics introduced a new course in Cost Accounting, which consisted of evening classes over a ten-week period for local dietitians and restaurant executives. Mrs. Dorothy Ragg lectured, and 25 persons attended.

In May 1965, Mother St. Michael was a delegate of the Diocese of London to the Social Life Conference held in Montreal. She was also chairman of the group discussing Leisure. In October, Mother St. Michael gave a paper, "On Aging", at the Middlesex Nurses Association meeting held in London, Ontario. In January 1966, she was a delegate at the first federal conference on aging, held in Toronto. These activities were all related to the present research on Work and Leisure, which Mother St. Michael is pursuing.

The student body this year included representatives from Rhodesia, Panama, Peru, Hong Kong, Trinidad, Nigeria, British Guiana, as well as from all parts of Canada.

Student activities in CIASP (Conference for Inter-American Student Projects) were conducted all year at the College, in conjunction with Christ the King College and St. Peter's Seminary. Four Brescia College students will work among the natives in Mexico this summer.

HURON COLLEGE

Report of the Principal

The Reverend Dr. J. Grant Morden

The academic year 1965-66 saw two major changes in the staff of Huron College. It was with great regret that the Executive Board of Huron College accepted the resignation of Dr. John Gordon Rowe as Dean of Arts. This College will remain deeply grateful for the lasting contribution that Dr. Rowe made to Huron in building the Faculty of Arts on a sound and wise foundation. The members of the College community wish to congratulate the University on the appointment of Dr. Rowe as the new Dean of Talbot College. We wish him and his new College every blessing for the future. Dr. John Gordon Rowe is to be made an Honorary Fellow of Huron College at the Founders' Day Convocation 1966.

The Executive Board of Huron College was pleased to appoint The Reverend G.H. Parke-Taylor, the Professor of Old Testament and Hebrew, as the new Dean of Theology of Huron College. Professor Parke-Taylor came to Huron College from the Anglican Theological College of British Columbia. He had previously been on the teaching staff at Wycliffe College in the city of Toronto and the London College of Divinity in London, England.

This year it was decided to establish a Language Laboratory at Huron College. This Laboratory will be in full operation in September 1966. Also, during the course of the year, Huron College received from Dr. Gordon Culham a master plan for landscaping of the College property. Phase one of the plan was implemented during the course of the year with the planting of major trees in front of the College and the Women's Residence.

During the academic year 1965-66 the two annual public lectures of Huron College were given by The Rt. Rev. R.S. Dean, Bishop of Cariboo who spoke on the World-Wide Anglican Communion, and Dr. A.C. Burton, Head of the Department of Biophysics of The University of Western Ontario who addressed the College on the topic "The Fire of Life".

Registration of StudentsRegistration for the Years 1964-65 and 1965-66

	<u>Faculty of Arts</u>		<u>Faculty of Theology</u>		
	<u>1964-65</u>	<u>1965-66</u>	<u>1964-65</u>	<u>1965-66</u>	
First Year	201	193	First Year	12	18
Second Year	176	167	Second Year	7	7
Third Year	124	140	Third Year	13	9
Fourth Year	10	7	Occasional	--	--
Occasional	<u>3</u>	<u>8</u>			
	514	515		32	34

Faculty Changes for the Academic Year 1965-66New Appointments

Mrs. Christa Burghardt, B.A., M.A. (Toronto), Lecturer (part-time) in French.

Mrs. Marion Louise Drynan, B.A. (Western Ontario), Lecturer (part-time) in Political Science.

Mr. John Allan Eisenberg, B.A. (Toronto), M.A. (Pennsylvania), Lecturer in Philosophy.

Mr. Alan David Isler, B.A. (Hunter College), M.A. (Columbia), Lecturer in English.

Mr. Reese P. Miller, B.A. (Cornell), B.Phil (Oxon), Lecturer in Philosophy.

Mr. John Neville Thompson, B.A. (McMaster), M.A. (Princeton), Lecturer in History.

Miss Cornelia Maria van der Wel, B.A. (London), M.A. (Western Ontario), Lecturer (part-time) in French.

Resignations

Dr. William Frank Blissett, B.A. (British Columbia), M.A., Ph.D. (Toronto), Professor of English, Head of Department.

Mr. Frank Peter Antony Cass, B.A., M.Sc. (Victoria University of Wellington, New Zealand), Lecturer (part-time) in Mathematics.

Mr. Geoffrey James Comber, B.A., M.A. (Ohio State), Assistant Professor of Philosophy.

Mr. Alexander Boyd Fancy, B.A. (Mount Allison), Lecturer (part-time) in French.

Dr. David Aaron Givner, B.A., M.A. (Maryland), Ph.D. (Columbia), Assistant Professor of Philosophy.

Conclusion

Huron College looks to the coming year with great hopes. These hopes are in relation to the current Senate Review and the coming financial discussions to be held between the Federal and Provincial Governments. Huron College, as an affiliated College of The University of Western Ontario, always wishes to play its full part in the life of the Senate of the University and to make its contribution to the University in as full and wise a manner as possible. We are deeply grateful for this opportunity to be a part of the University community. Also, we sincerely trust that the governments of Canada and Ontario will grant us sufficient financial recognition that we may be an asset to the University in its pursuit of truth through teaching and research, providing for our students both a learned Faculty and a well-equipped Library.

In closing may I again pay tribute to the staff, Faculty and administration of the University without whose co-operation, interest and friendship the work of this College could not continue.

ST. PETER'S SEMINARY COLLEGE OF ARTS

Report of the Dean

Very Reverend E.P. LaRocque

St. Peter's Seminary

This academic year has been marked by negotiations which will change our position in the University. Historically, St. Peter's Seminary was first affiliated to "The Western University of London, Ontario" through Ursuline College (Brescia) until it received its own affiliation in 1939. When the College of Christ the King was established in 1955, it became a constituent college of St. Peter's Seminary College of Arts. As of July 1, 1966 the affiliation will be known as King's College and the Pre-Theology programme at St. Peter's will become the Pre-Theology department of King's College. It is understood that the Seminary will continue to grant its own degrees in Theology to students in the post-University course in Theology.

During the course of this year Right Reverend A.P. Mahoney, rector of St. Peter's, resigned his post on the Senate and the Executive of the Senate of the University, a position he had conscientiously held since 1920. He was succeeded by E.P. LaRocque, Dean of the College of Christ the King.

The aggiornamento of Vatican II is having its effects: a students' council and faculty committee are considering revisions of the rule and Seminary schedule; exchange visits were continued with Huron College at which papers were read by students, followed by discussion, dinner and a social evening. For the first time, the traditional Christmas play was re-staged for the general public at Teachers' College. This year's play, John Osborne's Luther, was well received.

Dr. Thomas Francoeur, a specialist in Religious Education and Psychology was in residence at the Seminary. He both lectured and counselled students during his one-year appointment.

College of Christ the King

We began our eleventh year under a radically changed administration: Very Reverend E.P. LaRocque succeeded Right Reverend L.A. Wemple as Dean; Mrs. E.M. Arnold replaced Mr. J.Q. Cahill as Registrar; Mr. J. Melito took Father J. Bensette's responsibility as Comptroller and Reverend R.A. Graveline was appointed Chaplain to replace Reverend L.C. Thomas as Dean of Men. A new Board of Directors was set up to govern the finances and planning of the College of Christ the King and advise Brescia College on the same matters. All educational institutions are non-profit making organizations; however, denominational Colleges in Ontario are under the more serious disadvantage of deficit financing. A Faculty Council made up of the chairmen of departments met regularly to establish and interpret the academic policy of the College. The full Faculty and administration meet twice a term to provide needed communication and a valuable source of suggestions and constructive criticism.

The role of the College within the University and what is meant by the term affiliation were two of the most important matters discussed. All were agreed that any semblance of a ghetto, hot-house mentality must be avoided; that the College should seek to make an original and complementary contribution to the University rather than to promote a senseless competition and needless duplication. To this end a bus service was established ;(at no extra cost to the students) between the College, the main campus and Brescia and for the first time a common timetabling was possible. "The King" and Brescia hope to avoid duplication of senior courses and thus expand the number of options available. The School of Music, our immediate neighbour, was invited to make use of the bus service with the proviso that it not jeopardize the transportation of our students. The University timetable also included all "X-courses" on the master timetable this year.

Students

Registration remained about constant at 185 students. One of our immediate needs is a gradual rise in enrollment to the quota of 400 students given us some years ago. A Public Relations man was hired by the Board on a part-time basis to help in this endeavour. Rules in residence were changed and a greater responsibility for discipline was given to the Students' Council under the supervision of the Faculty Committee on Student Affairs. Our students won the shield for Interfaculty sports and for Debating. One of our students in Honours French was President of the French Club on campus and many lovers of Italian.

culture from the main campus enrolled in the Italian Club here. Academically, the College had over 70% clear all courses in May with a failure rate of 5.9%.

The new Dean for a second year accompanied the CIASP students from campus, Brescia, C.K.C. and St. Peter's in the summer of 1965 to work with the poor in the state of Hidalgo, some two hundred miles northeast of Mexico City. This year more than 200 Canadian University students from Halifax to Ontario joined some 800 American students in this form of neighbourly help. Such an experience of real poverty and human misery joined to a constant generosity and happiness must leave an important mark and a definite educational value on all who participate.

Faculty

Resignations

Reverend J.J. Bensette, M.A.	-- Lecturer, Mathematics
Mr. M.G. Kennan, M.A.	-- Lecturer, Psychology
Right Reverend L.A. Wemple, D.P., Ph.L.	-- Professor, Philosophy

Appointments

Reverend P.A. Kuo, M.A.	-- Assistant Professor, Sociology
Reverend V.A. McInnes, O.P., Ph.D.	-- Assistant Professor, Philosophy
Mr. N. Tines, M.A.	-- Assistant Professor, Psychology

Special Events

The feast of Christ the King was an occasion for a special celebration with representatives of the constituent University and affiliated colleges, the Faculty, administration and student body present for a celebrated Mass, sherry, dinner and an address by Dr. Francoeur on "Christian Witness on a Secular Campus".

The Alumni Homecoming for the more than 300 graduates was held in conjunction with the annual King Ball in November. On this

occasion gifts and good wishes were extended to Monsignor Wemple and Father Bensette for their service to the College since its inception in 1955.

The seventh annual series of lectures on Aspects of the Visual Arts -- Lecturer's Choice -- was planned by Dr. Marvin Eisenberg, Chairman of the History of Art Department, University of Michigan, and presented to the University and London public by the College as follows:

January 13, 1966 -- Ideas and Premises of Modern Sculpture, Albert Elsen (Indiana University);

January 20, 1966 -- 18th Century France: Le Desir de Plaire, Paul Grigaut (University of Michigan);

February 3, 1966 -- Piero di Cosimo, A Renaissance Eccentric, John Spencer (Oberlin College);

February 10, 1966 -- Leonardo da Vinci, Theme and Variations, Marvin Eisenberg (University of Michigan);

February 17, 1966 -- The Art of the 20th Century, Edward Henning (Cleveland Museum);

March 3, 1966 -- Abstract Expressionism to Pop Art: Rejection and Acceptance, Ellen Johnson (Oberlin College).

Conclusion

This first year as Dean has been both challenging and rewarding. An openness and readiness to co-operate on the part of all at the main University is most encouraging. Sincere and public appreciation must be expressed to the Board of Directors, St. Peter's Seminary, Brescia and the Faculty and students for their frankness, their understanding, and their enthusiasm.

Research Grants

To: S.F. Gallagher (Department of English)

Received: Canada Council Predoctoral Fellowship, 1965-66

Purpose: To complete research in Dublin and London for doctoral dissertation, "The Life and Works of Henry Brooke (1803-1883)".

SUMMER SCHOOL AND EXTENSION DEPARTMENT

Report of the Director

Miss Angela M. Armitt

This past year has shown a growing demand in London and surrounding area for a great variety of courses, both at the credit and the non-credit level. The number of mature adults applying for admission to the University to begin work toward a Bachelor of Arts Degree is increasing and in the field of Continuing Education this Department has initiated many new courses and programmes.

Since students are admitted to do work in the Summer School and Extension Department on the same terms as those admitted to intramural programmes, and write the same examinations, the standards for Extension classes are as nearly as possible equivalent to intramural standards. A sincere attempt has been made to maintain at a high level the work done by part-time students by imposing stricter requirements and supervision. The quality of those taking correspondence courses has greatly improved over the work of those registered four or five years ago. By refusing to allow those with "D" averages or those who have not completed two university courses successfully (C average) to take correspondence work, there have been fewer cancellations and better results.

Summer School 1965

The increase in registration in the 1965 Summer School almost matched the remarkable increase of the previous year. There were 2,254 students compared with 1,968 the previous year registered for over 3,000 courses.

The staff of 113 instructors had among its members ten visiting professors from other universities in Canada and the United States. Eighty-two courses were offered during the summer and the programme included for the first time Computer Science and a refresher course in

Physics, based on the New Grade 13 Physics. Because of the demand for upgrading courses at the honours level toward Type A Certificates, there has been a notable increase in the number of honours courses being offered. In the 1965 Summer School two honours courses were offered in Chemistry, three in English, four in Geography, one in Geology, five in History, two in Latin, two in Mathematics, two in Physical and Health Education, one in Physics and one in Zoology. There has been a steady increase in the number of courses being offered in English, Geography, History, Latin, Mathematics, Psychology and Science. There has been as well a marked increase in the number of students taking majors in Economics, French and Zoology. This has meant the offering of additional courses in these fields at the senior level.

The International Nickel Company, as in the past years, has made bursaries available for the high school teachers of Mathematics and Science registered for courses at Summer School and in the fall. Ninety-one students, the largest number on record, received bursaries during the 1965 Summer School.

It is most gratifying that all Departments of the University have been co-operative in providing Summer School staff. Some requests have placed additional loads on departments where the demand for teaching subjects for student teachers is greatest. No classes had to be cancelled because of a lack of instructors. As much as possible classes at the pass level have been kept at 50 students, with honours courses at 15 or less. A three-year cycle for the offering of summer courses is being worked out with departments, and while courses have to be added from summer to summer, the basic programme for the next three years will be of great help both to departments and to students in planning their future summers.

A very active student executive was responsible for a social and cultural programme which enjoyed more participation than in previous summers. This executive continued to support the Summer School donation to the University of an electric organ which is now being used for Convocation ceremonies and other functions.

Extension Classes

Registration in Extension classes in London and surrounding areas increased in 1965-66 from 1,179 to 1,276 students who were registered for 1,370 courses. A total of 526 students registered in outside centres and 750 students registered in London. The number of classes offered in London was increased from 25 in the previous year to 31. Of these, eight were offered at the honours level for those working toward Type A Certificates.

In outside centres, nine classes were given in Brantford, four in Chatham, three in Clinton, four in Owen Sound, six in Sarnia, two in Simcoe, four in Stratford, two in Tillsonburg and two in Woodstock.

Because of the many requests from teachers and citizens in Owen Sound, the Department, with the approval of its Advisory Committee and the Vice-President of Arts and Science, again established an Extension centre after its withdrawal for a number of years. Their efforts were justified by the fact that there were 70 credit and ten non-credit registrations for the four courses. Students came from Collingwood, Meaford, Southampton, Chatsworth, Wiarton, Paisley, Walkerton, Bognor, Duncan, Lion's Head, Walter's Falls and Midland, as well as from Owen Sound. The fact that teachers drove such distances to take courses indicated the need for a centre in the Grey-Bruce area. There was great appreciation for the re-establishment of the centre in Owen Sound, largely from the inspectors, the schools and the community at large. A request from the local inspector and teachers of the Watford area for a new centre was approved but was not to be established until the following year.

Correspondence Courses

Two hundred and thirty-two students were registered in correspondence courses, a decrease over the previous year. Correspondence courses which did not produce good results were dropped, and only students with a "C" average were allowed to take courses by this method. By adhering very closely to these new regulations there were fewer students and the calibre of work was much higher. The first year course in Psychology was added in the fall of 1965 and attracted 32 students. Correspondence courses are particularly helpful to students in farflung areas, where no university classes are available. Students were registered from South America, Trinidad, United States, France, Germany and England, as well as from six of the provinces of Canada and The Yukon Territory. Correspondence courses were offered in English, French, Geography, German, History, Latin, Philosophy, Psychology and Spanish.

Non-credit Continuing Education Courses

The non-credit programme continued to grow in 1965 to a total enrollment of 1,065, an increase of 31.5% over the previous year.

TABLE 1

Number of Courses and Students Enrolled in Non-Credit
Programmes

	<u>1963</u>	<u>1964</u>	<u>1965</u>
Number of Courses	17	17	30
Number of Students	625	811	1,065

The non-credit programme consisted of two major sections, the largest of which included courses in the liberal arts, the fine arts, and science. Twenty such courses were offered in 1965 with an enrollment of 608, 57% of the total enrollment.

TABLE 2

Number of Courses and Students in Liberal Arts, Fine
Arts and Science

	<u>1963</u>	<u>1964</u>	<u>1965</u>
Number of Courses	12	13	20
Number of Students	273	443	608

In 1965, in the arts and science division, Department offerings included courses in Computers, Contemporary Art, Creative Drawing, Conversational French, Conversational Spanish, English Composition and Literature, Engineering, Interviewing, Magazine, Radio and Television Writing, Music, Philosophy, Psychology and World Affairs.

One course of particular interest and value to University students from other countries was English Composition and Literature, designed for those whose native language is not English. In addition, courses were introduced in two new areas. Three courses for professional engineers attracted 184 registrants and 28 students attended a new course in Life Drawing. It is hoped that courses of this type will continue to be added to the curriculum.

The second major division of non-credit work in 1965 was the presentation of ten special training and refresher courses. These courses attracted 459 students, 43% of the total registration.

TABLE 3

Number of Courses and Students in Special Training
and Refresher Courses

	<u>1963</u>	<u>1964</u>	<u>1965</u>
Number of Courses	5	3	10
Number of Students	352	239	459

Three courses were presented in co-operation with Associations -- Registered Industrial Accounting (with the Society of Industrial and Cost Accountants), Real Estate Appraisal (with the Appraisal Institute of Canada), and the Fellows' Course in Banking (with the Canadian Bankers' Association). Three refresher courses for high school teachers were offered in co-operation with the Biology, Chemistry and Mathematics Departments. In addition, four training courses were given for persons employed in community health and welfare organizations. They were Principles of Mental Health (with the Nursery Education Association of Ontario), The Mental Retardate and His Family (with the Children's Psychiatric Institute of Ontario), the Child Care Training Course, and the Welfare Officers' Course (both with the United Community Services of London).

Faculty response to requests for non-credit courses was most satisfying and enabled the Department to extend the influence of the University into the surrounding community.

The number of students working with this Department in 1965-66 was greater than ever before. The participation of almost 5,000 credit and non-credit students indicates that a large segment of the community has close ties with the University through evening and Saturday classes, seminars, workshops and summer courses. Courses to upgrade high school teachers and engineers, and to introduce Computer Science to whole new groups, evidence the changing demands on the Department.

The need for counselling, particularly of mature adults who have been away from the education scene for some time, becomes greater each year.

The Advisory Committee for the Summer School and Extension Department which met three times last year gave some stimulating new ideas and great help to the Director of the Department. Their suggestions, discussion and guidance have been appreciated. A number of department heads have also made some valuable suggestions for credit and non-credit courses, and in so doing have made the Department of Summer School and Extension more closely tied in with various departments of the University.

TROIS-PISTOLES SUMMER SCHOOL

Report of the Director

Professor T.J. Casaubon

The Trois-Pistoles Summer School had a total enrollment of 129 students during 1965-66. Distribution was as follows: 74 students were registered for French classes, 44 for English classes, and 11 for painting. Thirty-eight students attended the art appreciation course offered two evenings a week.

An increased number of high school teachers of French and university students are attending our School. Out of 74 registered in the French course, 54 were university students or university graduates.

The Department of Education of the Province of Quebec offered bursaries to 20 teachers registered in the School of English. A large number of students from the immediate area and from Classical Colleges are now attending English classes at the Trois-Pistoles Summer School.

As in previous years, students came from all the Provinces with the exception of Prince Edward Island and Newfoundland; four American States were also represented.

Conversation and discussion groups were organized by Mr. C. Paradis and Mr. James Coulton. A few visiting guests and town elders were invited to address the students in the second language. We were fortunate in having an official of the Ontario Department of Education present a conference to the French Canadian students on the Ontario system of education, while at the same time an official from Quebec City gave the English speaking students a talk on the Parent report and Quebec education. This was followed by a group discussion which proved to be most fruitful.

All members of the staff co-operated in the organization of an active and varied recreational programme including tennis, swimming, volleyball and bowling. Mr. Charles Morency was responsible for boat

tours on the St. Lawrence. A newly built community pool offered the students much improved swimming facilities. A student choir was organized by Mr. A. Ferland, Mr. R. Durocher and Mr. John Lillie. Rehearsals were held three night a week and the choir climaxed its activities with a half-hour recital at the radio station CJFP in Riviere-du-Loup. CJBR-TV from Rimouski brought their mobile unit to Trois-Pistoles to prepare a half-hour film on the activities of the Summer School. The film was shown through the Rimouski network and then presented to the Director to be used for publicity purposes.

The painting and landscape course was directed by Mr. Clifford Papke. In his first year as an Instructor, Mr. Papke proved to be an excellent and dedicated teacher. An exhibition of the students' paintings was held at the end of the course for two days and was visited by more than 2,000 people.

Mr. Louis Belzile offered an art appreciation course two evenings a week. This course is now proving to be popular not only with the students but also with the town people and tourists who spend the summer in the area.

Thirty-four students from The University of Western Ontario attended the Trois-Pistoles Summer School in 1965. Five Grade 13 students who attended the school registered at The University of Western Ontario in September 1965.

In May 1965, a centennial sub-committee on a Bilingual Summer School exchange programme was set up by the Association of Universities and Colleges of Canada. The members of this committee met in May to study and examine the existing Canadian bilingual summer schools. Ways and means of providing financial aid were examined and specific grants were made. The Trois-Pistoles Summer School received a grant of \$6,000 to provide bursaries for students. It may also be used for cultural enrichment such as historical visits, guest speakers and theatrical presentations.

Thanks to this aid we were able to have a series of special activities:

1. A painting trip to Tadoussac for the painting students and a visit to an art exhibit in Riviere-du-Loup;
2. A day's trip to historical Quebec City for the student body;

3. A certain number of bursaries for needy students;
4. The presentation of a French Canadian play, "Au Coeur de la Rose" by Pierre Perreault, by a group of actors from Rimouski;
5. The appearance of two special speakers to address the student body;
6. A recital by "Les Roitelets", an outstanding choir, to the students. This choir was recently asked to perform at Expo '67.

We are indeed most thankful to the centennial Commission for its generous grant which will be perpetuated.

The Trois-Pistoles Summer School is also grateful for the following bursaries: The Board of Governor's Bursary; The Dr. W. Sherwood Fox Bursary Fund; The Imperial Oil Co. Bursary; The Robert Simpson Co. Ltd. Bursaries; The Lachapelle Bursaries; The Trois-Pistoles Summer School Staff Bursary; La Familiale Bursary; Independence Finance Corp. Ltd. Bursary for Oakville and Dorval area students; The W.C.P. and Lucile Baldwin Bursary; The Transparent Paper Products Ltd. Bursaries; The Centre Paroissial Bursary; The Trois-Pistoles Pastor's Bursary; The Town of Trois-Pistoles Bursary; The Senior Chamber of Commerce Bursaries; The Junior Chamber of Commerce Bursary; The Knights of Columbus of Trois-Pistoles Bursary; and the Epicerie G.E.M. Trois-Pistoles Bursary.

Mr. Louis Belzile resigned from his teaching position after 13 years as a member of the staff. He has been appointed Director of Art Instruction for the Province of Quebec. Mr. G. Gagnon, Quebec City, Mr. John Lillie, London, and Mr. C. Papke, Montreal, are now members of our staff. Mr. Gui Bérubé, business administrator for the town of Trois-Pistoles, is now a member of the advisory committee.

The Trois-Pistoles Summer School organization would like to honour the memory of the late Dr. H.E. Jenkin, its first Director. This great educator was indeed admired by the community, revered by his staff and loved by his students. His 27 years of service to the School stand as a monument to his great devotion and to his memory.

THE UNIVERSITY LIBRARIES

Report of the Chief Librarian

Professor J.J. Talman

The year 1965-66 was marked by great expansion and development. One cannot begin with a better subject than accessions.

Accessions

The total of accessions again rose. The table for the past three years is as follows:

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

The accessions figure is arrived at by adding to the total of catalogued items: pamphlets; government documents; historical scrap-books; school textbooks of historical value; indexed packages of Barnett pamphlets; 3,000 rare books in the McEachern collection; and 106 in the John Galt collection. All this material is readily available for the use of serious scholars, although it has not gone through regular cataloguing channels. This method of accounting conforms with the requirements of the Dominion Bureau of Statistics. These practices are being used in one way or another by all scholarly libraries today.

Consequently, the holdings of the University libraries total 446,426 compared with 386,443 reported last year.

Parenthetically, it might be pointed out that, when the holdings of the affiliated colleges are added, and this material is available for scholars, the book resources of The University of Western Ontario now total well over half a million volumes.

Computer Ordering

Over a period of many months there had been discussions of the use that might be made of the computer in library operations. Finally, in May a decision was made to put the ordering operation on the computer and plans toward that end were made in May and June. Further study is in progress. Some development along this line is essential. During the year orders totalled 6,477. Many of these were bulk orders totalling 500 single items.

Cataloguing Department

Once again the staff of the Cataloguing Department faced the task of processing the overwhelming flood of material received from the Acquisitions Department. In the effort to cope with this spate, new staff members were taken on, some systems were revised and new systems were designed. By the end of June the cataloguers had made good progress in reducing the backlog of uncatalogued books. However, this gain was achieved only at the expense of full cataloguing. In November, it was realized that something drastic had to be done. After discussions with the senior library staff, consultation with other libraries and members of the Faculty, all of whom approved of the plan, the cataloguers began "brief-listing" as many of the books as could be so treated and still be found under the main entry in the catalogue. It should be explained that all books are still classified, i.e., given the correct call number. Thus, each book is shelved in its proper place in the stacks and can be found with other volumes in the class. It was with great reluctance on the part of the professional cataloguers that the step was taken. Only when the drastic need for such treatment was fully understood did the cataloguers accept the new routine. They rightly feel that it is a curtailment of service which it is their function to give to the users of the library, and to which the users of the library are entitled. They trust that it will be only a temporary necessity. The hope of the future is, of course, in the use of computers to speed the process.

Since professional cataloguers simply are not available, the clerical staff was greatly expanded to enable the professionals to make the best possible use of their training and talent.

All these changes and developments combined with the crowded conditions in the typing room, where for awhile desks had to be shared, made for an extremely difficult year. It is to the credit of everyone concerned that the atmosphere remained pleasant and the work flowed smoothly.

Since the typists were not able to cope with the flow of work and there was no room in the building for more staff, a small night shift was organized in January.

Particular commendation must go to Miss Jean Elson and her loyal staff for what they accomplished in an extremely difficult year.

Readers' Services

Circulation in the General Library and the Divisional/Professional Libraries rose. Actually, circulation figures are not particularly meaningful as the Divisional/Professional Libraries are open access and many thousands of volumes in the General Library are available without signature. Furthermore, since the hours of openings were extended, it is safe to assume that many volumes were consulted in their respective repositories, which in previous years might well have been taken out. No count for this type of circulation is possible.

Circulation throughout the whole library system, with last year's figures for comparison, was as follows:

	<u>1964-65</u>	<u>1965-66</u>
Biology and Geology	6,071	8,446
Business	12,332	11,938
Education	--	4,027
Engineering	3,563	3,713
General Library	134,453	156,778
Health Sciences	14,085	15,020
Law	3,413	4,380
Middlesex	9,516	11,501
Music	1,303	1,064
Nursing	6,764	5,572
Physics and Chemistry	<u>3,979</u>	<u>3,920</u>
TOTALS	195,479	226,359

This increase of 30,880, or roughly 15%, is accountable especially to the greater use made of the increasing collection in the General Library. Increased enrollment might be advanced as an explanation, were it not for the fact that per capita borrowing rose from nineteen to twenty.

Miss Rothwell reports that in the Reserve Reading Rooms the increase was seen mainly in the use of Xerox copies of periodical articles (the circulation figure for these was over 10,000).

Also, a change in the History 20 programme has meant that students are required to read chapters from Introduction to Contemporary Civilization in the West and the Reserve and Middlesex College Reading Rooms have dealt with this problem by keeping a sufficient number of copies available for Reading Room use only.

No stock check was taken in the General Library stacks this year, but the check in the Reserve and Middlesex College Reading Rooms showed again a lamentable number of missing books.

A method of indicating the presence of copies of books in the Reserve Reading Rooms was instituted by having plastic covers placed over the cards representing the books in the main card catalogue.

The Reference Collection and the Bibliographic Centre were extensively used and the librarian at the Reference desk was kept busy answering questions on the use of the catalogue and dealing with other reference problems.

Interlibrary Loans

The interlibrary loans service has had a continuing demand put upon it by graduate students and faculty members.

STATISTICS

<u>General Library</u>	<u>Outgoing</u>	<u>Incoming</u>
<u>1964-65</u>		
Books	751	1,778
Photocopies	<u>332</u>	<u>934</u>
	1,083	2,712
<u>1965-66</u>		
Books	502	1,909
Photocopies	<u>799</u>	<u>1,130</u>
	1,301	3,039

Statistics (Continued)

<u>Health Sciences Library</u>	<u>Outgoing</u>	<u>Incoming</u>
<u>1964-65</u>		
Books	282	203
Photocopies	<u>390</u>	<u>202</u>
<u>1965-66</u>		
Books	316	154
Photocopies	<u>422</u>	<u>219</u>
	738	373

The grand totals -- outgoing 2,439 and incoming 3,412 -- show that the University is still in arrears in its interlibrary loans relations with other institutions. A glance through the record of borrowers shows that the figures are largely concentrated in a few areas where the University entered on a graduate programme without adequate preparation. It should also be explained that much of the borrowing arises from the efforts of the Acquisitions Department to fill gaps by Xerography, with the permission of the lending library. It was gratifying to see that the Health Sciences Library sends out almost exactly twice as much as it receives and the General Library's outgoing figure is up 20%.

Dr. Robert Blackburn, Chief Librarian of the University of Toronto, reports that The University of Western Ontario Libraries were fifth in the list of libraries lending material to the University of Toronto, preceded only by the National Research Council, the Center for Research Libraries, McGill, and the National Library of Canada.

Acquisitions

Many significant titles were acquired. The following items, a selection only, will give some indication of the type and variety of the material being added.

During the year under review the library completed its purchase of the microfilm of Early English Printed Books 1475-1640 (Pollard and Redgrave). Our file of the microfilm of the Wing list was already complete to date.

Also during the year the library continued to receive the microprint edition of Early American Imprints.

Another microprint purchase of interest and value was the collection of Three Centuries of English and American Plays.

The library also acquired the reprint of Palmer's Index to the Times Newspaper (1790-1941) thereby greatly enhancing the value of the microfilm file of The Times, the purchase of which was completed in the year 1964-65.

The library purchased from the New York Public Library microfilms of the scarce Communist International (1934-39) and World News and Views (1922-53), published in Berlin.

Two purchases of a number of out-of-print volumes of the Publications of the Van Riebeeck Society have almost filled the gap in the General Library's holdings of this important South African publication.

Other interesting acquisitions follow:

Annales Révolutionnaires: Tomes I-XV, 1908-23.

Beyle, Oeuvres Complètes, 37 volumes. Paris, 1913-40.

Bonnal de Ganges, Les Représentants du Peuple en Mission Près Les Armées 1791-97, 4 volumes, Paris, 1898-99.

Bossuet, Correspondance, 15 volumes. Paris 1909-25 (Reprint, 1965).

Chernyshevskii, Polnoe Sobranie Sochinenir ... 10 volumes St. Petersburg, 1905-06.

Clermont-Gallerande, Memoires Particuliers Pour Servir a L'histoire de la Révolution, 3 volumes. Paris 1826.

Desmoulines, Révolutions de France de Brabant et les Royaumes ..., 6 volumes. Paris, 1789-91.

Enciclopedia Italiana di Scienze, Lettere ed Arti. Roma 1909-61.

France, Anatole, Oeuvres Completes, 25 volumes. Paris, 1925-35.

France. Assemblée Nationale, Collection des Décrets de l'Assemblée . . ., 7 volumes. Paris, 1792.

Hertzen, "Kolokol"; isbrannia stati A.I. Gertsena (1857-69). Geneva, 1887.

Novikov, N.I. Novikov'a Zhivopistets 1772-73. St. Petersburg, 1896.

Pascal, Oeuvres de Blaise Pascal, 14 volumes. Paris, 1904-14 (Reprint, 1965).

Le Point du Jour, Ou Résultat de ce Qui S'est Passé la Veille a l'Assemblée Nationale . . . 27 volumes. Paris, 1789-91.

Tikhomirov, Monarkhicheskaia Gosudarstennost . . . 3 volumes. Moscow, 1923.

Among many recent standing orders placed by the General Library for series in course of publication are the following:

Bibliographie Zur Deutschen Geschichte Im Zeitalter Der Glaubensspaltung 1517-89 ed. by Karl Schottenloher;

Corpus Inscriptionum Latinarum;

Fonti per la Storia d'Italia;

Jahrbuecher der Deutschen Geschichte.

All volumes published to date in the above listed series have been received.

Gifts

Gifts to the University Libraries were so numerous that it is not practical to record the name of every donor. Our grateful thanks, however, are extended to them all.

A most notable gift during the year came from Henry Gordon Harvey Smith, Q.C., B.A., L.L.B., and Muriel Harvey Smith Turner, of Winnipeg, Manitoba, who presented more than 100 volumes of the works of John Galt. The donors are the great-grandchildren of John Galt, Scottish novelist and colonizer. The gift was made at the suggestion of Professor H.B. Timothy of the Department of Classics, the leading John Galt scholar.

Another notable contribution was that of Dr. Gregory Clark of Toronto who presented his personal library of 250 volumes devoted largely to angling. The books dealt with a field heretofore not represented in the library and have the further value of the association with "Greg" Clark, an honorary graduate of the University. Many of the titles are Treasure Room items.

Dr. J. Simmons of the Geography Department donated his numerous urban planning studies. These studies, several of which are Canadian, are bound in 20 volumes and will form a valuable addition to the material on urban planning in the General Library.

Two University graduate students in Geography, Dr. A. Blair and Dr. L. Russwurm, secured their Doctorates in other Universities and presented copies of their doctoral theses.

The Association of Universities for Research in Astronomy sent the first five issues of a new series of publications, the contributions from the Cerro Tololo Inter-American Observatory, and has promised to send similar material in the future.

Miss Olive V. Sinclair of Port Huron, Michigan, presented several volumes which helped to fill gaps in our nineteenth century serial holdings.

Henderson Directories Ltd., Winnipeg, presented several obsolete city directories for historical use.

Mr. J.A. Campbell of London, a long-time friend of the University Libraries and active worker for the Jeffery Stamp Collection, presented two copies of his book, A Story of the London Life Insurance Company, Volume 1, 1874-1918. In addition he presented certain early mathematical texts used by John George Richter, a pioneer in the London Life Insurance Company.

Dr. M.P. Wearing of London presented the library of his father, Judge Wearing. The donation included many important and useful volumes.

Dr. A.D. Macallum presented books and journals from the library of the late A.B. Macallum.

Dr. A. Dorothy Turville of London, a long-time distinguished Professor in Romance Languages and now of the Alumni Office, made a donation of \$500 for the purchase of some volume or series of volumes for the Romance Languages section of the Library and not immediately

within the limits of our normal budget. We were fortunate to be able to buy the file Romania 1872-88 with the funds.

The Misses Dorothy and Margery Reid presented several cartons of books including many valuable works on Canadian and Commonwealth history and literature; a family scrapbook of clippings, etc., on their father, the late George M. Reid and their brother, the late Eric "Buster" Reid; a silver tea urn presented to George M. Reid by officers and men of "A" Company 7th Fusiliers, February 2, 1885; and pictures of members of the family.

Miss Mabel B. Williams of London, sister of the late Dr. Ernie Williams, presented photographs of historical interest bearing on the history of the Medical School at the turn of the century.

Professor W.H. Somermayer, Professor in Econometrics, presented a copy of his Ph.D. thesis.

The Theosophical Society of Canada completed the file of the Canadian Theosophist now totalling 27 volumes.

During the year the General Library received two Canada Council Grants of \$5,000 each: one for the purchase of specialized material in the field of Latin-American Studies; the other for the purchase of material in the field of Romance Languages.

Mrs. A.B. Lucas presented all her late husband's books on education. These volumes filled many gaps in our holdings of educational material.

Dr. D. Szechy, a Professor at the Technical University of Budapest, Hungary, presented a set of his textbooks and lectures.

Mr. K.M. Spring of Uplands, Swansea, Wales, presented a fine collection of engineering journals, memoirs and reports. The transfer was arranged by Mr. A.P. Greenough of University College, Swansea, Wales, and Professor G.A. Geach of the Faculty of Engineering Science.

Dr. W.P. Tew of London continued to make contributions as he has for several years.

The College of Physicians and Surgeons of Ontario presented \$300 for the purchase of books and periodicals for the Health Sciences Library.

The Health Sciences Library received a large gift of volumes from the estate of Dr. Frank Riggall, given by his son, Dr. Rodney Riggall.

A gift of \$100 was received from the Oxford County Branch of The University of Western Ontario Alumni for the purchase of dental materials. Dentists from many parts of Canada donated many volumes of books and journals to aid in the acquisition of dental materials.

The H.A. & W.J. Stevenson Medical Library received a large gift of journals from Beck Memorial Sanatorium and from other members of the medical community in the city.

During the year, the Judges, Magistrates and Members of the Bar of the County of Middlesex, made a generous gift of money to honour Mr. C.C. Savage, Q.C., on his retirement from the post of Crown Attorney.

Alan O. Gibbons, Jane F. Drury, Elizabeth M. Leith Gordon, John G. Counsell, Mary E. Clarke, Lucy R. Little, George G.R. Harris, and Ronald F. Harris, grandchildren of the late Sir George Christie Gibbons, presented the University with a cheque for \$3,880 for the purchase of law books. Sir George was a lecturer in the first Western University Law School, 1885-87, and Chairman of the Canadian Section of the International Waterways Commission, 1905-11. A further sum of \$150 was presented from the estate of the late Miss Helen Gibbons.

Notes on Divisional/Professional Libraries

Items of interest from reports of Divisions and Divisional/Departmental Libraries follow:

Althouse College of Education Library

Miss Sally McCrae has provided a valuable permanent record in her report for the year.

The Education Library began operation on a very small scale in September 1965. Our facilities were limited to a few bookshelves at one end of the Home Economics room at London Teacher's College, where Althouse students were sharing space until the completion of the new College of Education. Owing to these limitations, we were able to shelve only about nine hundred books.

In January 1966, we moved into Althouse College but once again the Library had to be content with a temporary location and facilities on the mezzanine floor of the gymnasium. We did, however, have ample space and shelving to house the five to six thousand volumes which had been catalogued and stored in the Lawson Memorial Library building until this time, and to add the hundreds of volumes which continued to arrive throughout the winter from the central Cataloguing Department.

Finally, in May after the winter course was completed, we were able to move into the Library's permanent quarters -- a modern, circular structure at the northeast corner of the College. By the end of June, the book collection had grown to over 8,000, journal subscriptions had increased to over 350, and we had varying extents of holdings in back volumes of about 100 periodicals -- a difficult area for a new library to build up.

The 1966-67 class at Althouse will enjoy the advantages of having our entire book collection at its disposal from the beginning of term and having the facilities in a more central and accessible location. Both factors should have a direct bearing on circulation and reading room use of the Library in the coming year.

Business Library

Mr. John Hoover reports that this year a number of changes were made concerning the collection and storage of company annual reports. In past years, the Library subscribed to the microcard editions of reports published by the Godfrey Memorial Library, covering companies which are listed on the New York and American Exchanges plus the Industrial list on the Toronto Stock Exchange. This year the Library changed to the microfiche edition.

After consultation with Mrs. Edith Grant, the Librarian at Godfrey, it was decided to expand the Canadian service to include a selection of companies from other Canadian listings. The selection was done by the Business Librarian and where possible the required reports were retroactively collected to 1960 to coincide with the coverage of companies trading as Industrials on the Toronto Stock Exchange. The additional reports are ready to be forwarded to the Godfrey Library. The Canadian service will now cover approximately 450 Toronto Stock Exchange Industrials plus 225 companies from other listings.

To simplify the collection process, it was decided to request two copies of all reports that are summarized each week in the Financial

Post. Thus, our Library will have comprehensive files of companies issuing reports in Canada which are not included in the microfiche edition.

Engineering

Mrs. Gladys Osborn reports that, in May 1966, the bookcases in the Library were re-arranged to allow room for 23 more to be added. This addition brought the Reading Room up to full capacity and serves our present needs. Any expansion of the Engineering Library holdings will require additional space.

In November, library hours were extended to 11:00 p.m. Monday-Friday, and to 4:00 p.m. on Saturdays.

The Geodex index system for Geotechnical Literature has been added to our basic research collection and is proving to be most valuable.

Government Documents

Mr. Clarke Leverette reports that during 1965-66 the Government Documents Collection received all current publications from nine countries and international organizations, had placed standing orders for all census material from Latin America and five Commonwealth countries, and doubled the number of United States departments' publications available on Microprint.

With these purchases, the acquisition of current material was considered complete and by 1966 the emphasis was placed on building up earlier material.

Health Sciences

Miss Anne Seheult reports that, on July 1, 1965, the former Library of the Faculty of Medicine officially became the Health Sciences Centre Library. In anticipation of the needs of the Faculty of Dentistry which would accept its first students in September of 1966, efforts were made to secure complete back runs of the prominent dental journals. Members of the Faculty of Dentistry were most helpful in assisting us to acquire a considerable collection of books of particular interest to that Faculty.

It is hoped that the collection of the Health Sciences Library will encourage the use of basic medical science books by both the Medical and Dental students and to integrate dental and medical materials in one collection. This will make materials oriented specifically to the one equally available to the other.

During the year, the feasibility of this library's administering the Nursing Reading Room was studied with the result that the transfer will take place on July 1, 1966. The Nursing Reading Room will be the prime source of material for the Nursing Faculty and students, with back runs of journals and other less current material being kept in the Health Sciences Library stacks as resource material.

The increase in work carried on in the Health Sciences Library has necessitated the addition of four people to the staff.

When the Medical Library was moved to the Health Sciences building, the H.A. & W.J. Stevenson Medical Library came into its own. Circulation rose to 717. In 1964-65 it was 50. The opening hours of the two libraries were lengthened considerably in order to make the collections more useful to the medical community.

Law Library

Dr. Banks reports that acquisitions included many important serials. In the field of Canadian law, we acquired the following sets of reports and journals:

Canadian Railway and Transport Cases, V. 27-83, 1923-64 (Library already had V. 1-26, V. 1-49 entitled Canadian Railway Cases);

La Revue du Droit, V. 1-17, 1922/23 - 1938-39 (Complete set);

La Revue du Notariat, V. 1-67, 1989/99 - 1964/65;

La Themis, V. 1-5, 1879-83 (Complete set);

Western Law Times and Reports, V. 1-6, 1890/91 - 95 (Reprint of complete set).

As we had already acquired most sets of English and Canadian law reports, digests and journals, our main object during the year was to add to our holdings in other fields. One area we emphasized was law

reports and journals from other Commonwealth and former Commonwealth countries; another was legal journals published in the United States. The following list indicates the extent of our purchases in these fields.

Australia:

New South Wales Supreme Court Reports, 1862-1900 (We already had the set from 1901 to date);

Queensland Justice of the Peace and Local Authorities' Journal and Reports, V. 1-58, 1907-64;

New Zealand:

New Zealand Law Reports, 1883-1961 (Law Library subscription began with 1962);

South Africa:

Acta Juridica, 1958-64;

South African Law Reports, 1947-64 (4 vols. a year);

South African Tax Cases, V. 1-26, 1926-64;

American Law Journals:

American University Law Review, V. 1-14, 1952-64/65;

Boston University Law Review, V. 1-44, 1921-64;

Brooklyn Law Review, V. 1-30, 1932-63/64;

Business Lawyer, V. 1-20, 1946-64/65;

Dickinson Law Review, V. 1-68, 1897-1963/64 (V. 1-12 entitled the Forum);

George Washington Law Review, V. 1-31, 1932/33 - 62/63;

Hastings Law Journal, V. 1-16, 1950-64/65;

Howard Law Journal, V. 1-10, 1955-64;

Law Library Journal, V. 1-53, 1908-61 (Law Library subscription began with V. 54);

Marquette Law Review, V. 1-47, 1916/17-63/64;

Maryland Law Review, V. 1-24, 1936/37-64;

Nebraska Law Review, V. 1-42, 1922/23-62/63 (V. 1-19 entitled Nebraska Law Bulletin);

Ohio State Law Journal, V. 1-25, 1935-64;

Rutgers Law Review, V. 1-18, 1947-63/64;

Tax Law Review, Vo. 1-19, 1945/46-63/64;

Temple Law Quarterly, V. 1-37, 1927-63/64;

Tennessee Law Review, V. 1-32, 1922-64/65;

University of Colorado Law Review, V. 1-36, 1928/29-63/64 (V. 1-34 entitled Rocky Mountain Law Review);

University of Pittsburgh Law Review, V. 1-25, 1935-63/64;

Villanova Law Review, V. 1-10, 1956-64/65;

Washington Law Review, V. 1-39, 1925/26-64.

We also acquired several important sets of reports in the field of labour law. They are:

Labor Arbitration Awards, 1961-65 (Chicago, C.C.H. kept up to date by loose-leaf service and summaries);

Labor Arbitration Reports, V. 1-43, 1946-65 (Washington, D.C., Bureau of National Affairs -- kept up to date by Labour Relations Reporter, Binder 3);

U.S. National Labour Relations Board Decisions and Orders, Vols. 1-149, 1963-65 (Lacking V. 97-106, 109, 111) (Washington, D.C., U.S. Government Printing Office).

Music Library

During the year the library continued its rapid growth first under the direction of Mrs. W. Troughton and later Mr. Larry Lewis. A full-time librarian, Miss Margaret Turner, was appointed and with the full co-operation and assistance of Professor P.S. Odegard, she began the task of building up the bibliographical and reference aspects of the library collection. The record collection was doubled in size and the value of the publication of out-of-print materials in microform was increased in this library when a microfilm and a microcard reader were installed to make use of several purchases in microforms.

The hours that the library is open were further extended over the previous year to 60 hours a week.

We were fortunate in our efforts to build up the holdings of the Music Library. Listed are a few of the more important acquisitions, some obtained in reprint, others in the original:

American Organist, 1932-49;

I Classici Musicali Italiani, Vols. 1-15, 1941/43-58;

Monte, Philippe de, Complete Works, 31 volumes;

Musical Association, London. Proceedings, Vols. 1-74, 1847-1946/7.

The library has obtained all available publications of the American Institute of Musicology and is receiving future publications as they appear. The library also has standing orders for the complete works of a number of composers, the latest addition to this group being for Mozart, Sämtlicher Werke . . . von der Internationalen Stiftung Mozarteum, Salzburg, 1955-.

Natural Sciences

Miss Sheila Power, Head of Natural Sciences Library, reports that during the first week of May all the bookstock was moved into the stacks of the new building by a most willing and hardworking staff, aided by the custodial staff. By the beginning of June, all the material was in order and the stock-taking exercise began. During this time, service to the readers continued with no difficulty.

During the year 1965-66 the Natural Sciences Library, serving approximately 150 faculty, 220 graduate students, and over 1,000 undergraduates, achieved permanent quarters.

In February the "B & G" section was moved into the just completed Natural Sciences Reading Room, although the building of the stacks was not yet finished. The students made full use of the working area, and the Reading Room was filled to capacity (144) until the end of the term.

As soon as the stacks were completed the remaining science bookstock was moved. This stock comprised 15,000 volumes from storage in the Main Library and about 10,000 volumes from the old "P & C" Reading Room.

In May a Xerox copying machine was installed in the Library and it has been working at more than economic capacity since then.

The growth of material is such that space is already scarce and the building of extra stacks should be actively considered.

The year 1965-66 has been most successful. Since the amalgamation of the reading rooms was completed, the use has increased as expected. The coming year promises even greater activity.

Regional History and Treasure Room Collections

During the past year the work of the staff of the Regional History and Treasure Room Collections has continued to grow. This will be seen in the following report, submitted by Miss Sexton.

Among the acquisitions received by the Regional History and Treasure Room Collections the following should be noted: Perth County Archives (a long run); Dr. J.B. Collip papers; Dr. John A. Bannister papers; the Chadwick Family papers; and the Thames Steam Navigation Co. Day Book, 1833-36. The records of the Women's Music Club of London were placed on deposit in the Regional History Collection and a further deposit was made by the Baconian Club. Mr. C.S. Buck's photographs of Sparta were added to the picture collection. The Tremaine map of Oxford County together with photostat copies of the Tremaine map of Waterloo County and Rattenburg's Map of the Principal Communications in Canada West, 1850 were added to the map collection.

No accurate description of the collections was undertaken during the year owing to the volume of work in the department. Brief listing of the Historical Manuscripts, however, was completed.

Sorting and arrangement have progressed steadily during the year. The staff arranged and indexed the Peter McArthur papers preparatory to having them microfilmed, a task taking many months. The following items were borrowed and microfilmed: the Rapelje Family papers; Admiral Nelson Conrad's Diary; and the "E" Volunteer Field Battery Artillery, London, C.W. Order Book, 1856-75. In addition, the Essex, Kent and Lambton County Municipal Council Minutes 1850-56 were also microfilmed for us by the Ontario Archives.

Newspaper clippings were mounted and boxed. The Dr. Fred Landon collection and Jean Waldie Collection were completed.

During the year the staff dealt with 885 enquiries. A considerable proportion of these consultations involved more than merely fetching a book or manuscript for consultation, but were reference questions in themselves.

Staff Activities

During the year Dr. Banks served as Treasurer of the Canadian Association of Law Libraries and as a member of the Scholarship and Nominating Committees. She was also one of a group of law librarians assisting with research for a guide to Canadian legal materials which is being prepared under the direction of Professor J.E.C. Brierley of the Faculty of Law, McGill University. Her field of research was Ontario legislative materials.

Mr. Clarke Leverette and Miss Jean Hooper attended the IBM course described below.

Mr. John Macpherson attended the Annual Meeting of the Ontario Library Association in Ottawa and other professional meetings. He also attended two courses on the application of computer techniques to libraries: the first was a three-day course in July 1965, offered by IBM, Toronto; the second, organized by the College and Universities Section of the O.L.A., was presented in February 1966, by Canadian General Electric, Toronto.

Mr. Edward Phelps continued to hold the position of Secretary of the Lambton County Historical Society. He also attended meetings of the Canadian Historical Association at the University of Sherbrooke.

Miss Ruth Sanderson, Assistant in the Nursing Library, attended the Workshop for non-professional librarians in Nursing, Hospital and Medical Libraries which was sponsored by Ontario Medical Association and Registered Nursing Association of Ontario in co-operation with Ontario Hospital Services Commission and the School of Library Science, University of Toronto, from May 30 to June 3, 1966.

Miss Anne Seheult attended the meeting of the Upstate New York Regional Group of the Medical Library Association, October 1-2, 1965, and took the course in Medical Literature and Reference Work given at the University of Illinois, June 27 - July 29, 1966. These sessions were most fruitful and the knowledge and experience gained by Miss Seheult should prove to be invaluable.

Miss Anne Sexton was active as a Director of the London and Middlesex Historical Society. She was also appointed Recording Secretary and Society Archivist for the coming year. In October 1965, she attended meetings of the American Society of Archivists in New York and in June she went to meetings of the Canadian Historical Association held at the University of Sherbrooke.

Dr. J. J. Talman continued as Chairman of the Microfilm Committee of the Canadian Library Association and at the annual meeting of the Association in Calgary in June gave a lengthy report of the 20-year history of the Committee. He had been chairman for 12 years. In addition, he chaired a meeting on Library Education at the same conference. He attended, as did the librarians of University and College libraries of Ontario receiving provincial support, all meetings of the Committee on the Co-ordination of Academic Library Services of Ontario. He continued as a member of the Historic Sites and Monuments Board of Canada.

Miss Diane Teeple and Dr. Banks attended the annual meeting of the Canadian Association of Law Libraries held at the Faculty of Law, University of Toronto, on Saturday, June 4, 1966.

Miss Margaret Turner, cataloguer of music materials and librarian in charge of the Music Library from July 1, 1966, visited the following libraries to see their music collections: University of Wisconsin; Detroit Public Library; Eastman School of Music, Rochester, N.Y.; University of Toronto; University of Michigan; and Cornell University. She also attended two meetings of the New York Chapter of the Music Library Association -- one at Syracuse University in October 1965, and one at the Buffalo Public Library in May 1966.

Conclusion

In conclusion, I must pay tribute to the loyal support of the entire staff. The year was not an easy one. I also must thank all those members of the Faculty who assisted in building up the Library holdings with recommendations for high quality material.

MUSEUM OF INDIAN ARCHAEOLOGY

AND PIONEER LIFE

Report of the Curator

Dr. Wilfrid Jury

In 1964 The University of Western Ontario accepted the request of the Government of Ontario to reconstruct the site of Sainte Marie, Jesuit mission, near Midland, Ontario.

Three years later, after working with an advisory committee of University staff under the chairmanship of Dr. G.E. Hall, the task is largely completed. The site is surrounded by a double palisade of over 20,000 13-foot high cedar poles; fifteen buildings, including some Indian-type structures have been erected, according to discoveries made during our excavation of the site in 1948 to 1951, and as a result of intensive research on the architecture, construction methods, and way-of-life of the early seventeenth century in France and in Canada. A skeleton crew remains to complete interiors and furniture.

The Huron Indian Village at Midland was visited by 50,000 people, including 15,000 school children.

The Naval and Military Establishments at Penetanguishene attracted more visitors than in any previous year. It is now the plan of the Ontario government and The University of Western Ontario to proceed with the reconstruction of the Naval and Military Establishments. This work will begin in the spring of 1967. Our field offices and construction shack were moved from Ste. Marie to Penetanguishene in September 1965, and preliminary surveying and research is being carried on in preparation for the actual reconstruction.

Because of these time-consuming projects it was necessary for the curator to terminate the Summer School of Indian Archaeology which was held from 1950 to 1963. It is hoped that classes will be resumed by the University in the near future.

The Pioneer Village at Fanshawe Park which is under the supervision of the University Curator, and is furnished by artifacts from the University Collection and the private collection of the Curator, continued to create interest. This project has great potential value in the educational field but will not have the success that it merits until there is a permanent curator appointed.

Displays at Middlesex College continue to attract attention. Many school classes visit them annually and whenever possible the Curator addresses the group. A collection of Iroquois masks carved by the Curator are at present on display in the front hall of Middlesex College, along with a collection of long-guns made by the famous Sopers of London in the past century. The collections are continually being added to by donation.

DEPARTMENT OF THE DEAN OF WOMEN

Report of the Dean

Dr. Leola E. Neal

This year there were 7,063 full-time students registered in the University. Of these 2,433 or 34.4% were women. The overall increase for the year was 13.6% with an increase in the number of women students of 19.1%. In the Faculty of Arts and Science, the increase was 17.9%. Women students are registered in every faculty and school but the largest group is in the Faculty of Arts and Science. There were 68 registered in the College of Music, five in the Faculty of Engineering Science, 33 in the Faculty of Medicine, four in the Faculty of Law, two in the School of Business Administration, 183 in the School of Nursing, and 93 in the Faculty of Graduate Studies. With the exception of the School of Nursing and the School of Business Administration, in which there were slight decreases, these figures all represent increases over the previous year. Of the 970 registered in the Affiliated Colleges, 435 or 44.8% were women. The latter figure is of interest because many of these students are registered for courses in the constituent University.

Student Activities

The women students played an active part in student government and University affairs. They planned many of the social affairs and served on the executives of various clubs. Their articles, stories and poems appeared in student publications and they have had leading roles in dramatic and musical productions. A few were outstanding athletes and a great many others participated in the varied and well-organized intramural athletic programme.

The Arts and Science Undergraduate Women's Organization had an excellent orientation programme for freshettes, sponsored the Co-Ed Ball, provided a bursary for a woman student, and donated money for a piano for the new women's residence, Delaware Hall.

The three Greek letter organizations for women had a successful year. The membership was the same as last year, 148. The quality point academic average for women was 1.682; for men 1.501. Of the 11 sororities and fraternities, the women's groups ranked second, third and fourth.

Without financial aid programmes many of our bright conscientious students would not be able to obtain a university education. The Awards Officer, Mr. B.E. Smith, points out in his annual report that in the Faculty of Arts where the number of men and women is approximately the same, 27% of women students and only 17% of the men received bursaries. Loans to men and women in Arts are approximately equal in value but only 23.6% of women students borrowed in 1965-66 compared to 29.6% of the men. Women in the Faculty of Arts received more than double the scholarships received by men, both in number and amount. Taking Arts and Science together, 60% of the available scholarships went to women who comprise about 35% of the total student population.

Spencer Hall

The number of applications and inquiries about residence accommodation again increased, this year by 103, to reach a high of 676 on June 24, 1965. There were 96 freshettes, four upper class students and four transfers from other universities in Spencer Hall. Of the freshettes 41 were registered in Middlesex College, 47 in University College, and 16 in the College of Science.

Of the 20 students in residence during the Summer School Session, 16 were registered at Western, three at Althouse College of Education and one for a special Latin Poetry Course. Three special groups were in residence: International Association of Machinists (24 men, four women) from August 15 to August 20; Ontario Department of Education Seminar for Heads of Departments of Secondary Schools (31 women) from August 22 to August 27; and The Ontario Women's Field Hockey Association (22 students and seven staff) from August 30 to September 3.

Because of the construction of a second women's residence and reorganization at the administrative level, the Advisory Committee on Spencer Hall was changed to the Women's Residences Advisory Committee in order to embrace the affairs of both residences. Dr. R.A. Allen, who has been an extremely valuable member of the Committee since its inception in 1951, retired June 30, 1965. To him we give our sincere thanks and offer best wishes. The Committee members are:

The President and Vice-Chancellor, Dr. G. Edward Hall;
 The Vice-President of the University, Mr. R.B. Willis;
 The Dean of Women, Dr. Leola E. Neal;
 The Comptroller, Mr. R.R. Glover;
 The Superintendent of Buildings and Grounds, Mr. J. Shortreed;
 The Business Manager of Residences, Major R.A. Virtue;
 The Warden of Spencer Hall;
 The Warden of Delaware Hall, Dr. Helen M.B. Allison; and
 Professor Mary H. Gillespie, Secretary.

The academic record of the Spencer Hall women was good. Only two of the 104 women had a failed year. One student did not write her examinations. There were nine A's, 28 B's, 32 C's and five D's. Eighteen had one supplemental, five had two supplementals and four failed one subject.

Delaware Hall

It was noted in the previous President's Report that a second women's residence with accommodation for 452 students was being built on the campus, by the Thames River. The residence is to be ready for occupancy September 1, 1966 and will provide much needed accommodation. The opening of this important building is eagerly anticipated.

With Spencer Hall there will be a total of 556 rooms available. This represents residence accommodation for approximately 30% of the out-of-town women students.

After considerable deliberation, the residence was named Delaware Hall. The name was chosen because of its local historical significance and in view of the tradition in naming the men's residences. Delaware was the first English-speaking settlement on the Thames in the County of Middlesex. The cornerstone was laid at an impressive ceremony on June 10. The invocation was given by the Rev. Anne P. Graham and the benediction by the Rt. Rev. A.P. Mahoney. President Hall acted as chairman and the cornerstone was laid by Col. D.B. Weldon, Chairman of the Board, assisted by Dr. Leola E. Neal, Dean of Women.

Dr. Helen M.B. Allison, formerly Registrar, was appointed first Warden of the residence. The position of Warden in a large women's residence is a very important one. In my opinion Dr. Allison has excellent qualifications for such a position and I am pleased indeed with her appointment. As Registrar (1947-62) she was popular with students and understood their many and varied problems. I believe she will make a unique contribution.

The four houses within Delaware Hall are named Gillespie, Mason, Miller and Turville to honour four women who have made an outstanding contribution to The University of Western Ontario.

Miss Kate M. Gillespie -- Assistant Librarian from 1927 to 1961;

Dr. A. Dorothy Turville -- the first woman with the rank of full professor and Dean of Women (1933-46);

The late Miss Ruby E. Mason -- the University's first Dean of Women (1926-32);

The late Miss Olga Alice (Billie) Miller -- who as a student was an exceptional athlete and leader and the first president of The Women's Undergraduate Society.

University Housing Bureau

Many of our students live in off-campus housing and many of them use the facilities of the Housing Bureau to locate suitable accommodation. Mrs. Browett, the Secretary, and her staff placed a record number of students, 1,887, in the 12-week period, July to October. The Housing Bureau was open on a part-time basis for an additional four weeks. At a recent meeting of the University Housing Committee appointed by the Board of Governors it was recommended to the Board that the services of the University Housing Bureau be available throughout the entire year and that, because of the seasonal nature of both placement and housing, these two departments be combined under a Director of Placement and Off-campus Housing. It was further recommended that these departments have greatly expanded quarters in Thames Hall beginning July 1, 1966.

As Secretary of the University Housing Committee, and on behalf of the Committee members, I wish to thank most sincerely Mrs. Browett and her staff for their gracious co-operation and for the highly personal service they have provided for students. Over the past 12 years the many diverse and, on occasion, delicate problems have been handled efficiently.

Counselling

A great deal of my time is devoted to personal counselling, concerned not only with emotional difficulties but including problems associated with academic work, housing, employment, vocational choices and finance.

It is, therefore, a pleasure to welcome Dr. J. Thurlow, M.A., to the campus as a Counsellor, Student Health Service. He has been of tremendous help with students who wish and require several counselling interviews. The University Health Service has also given excellent and immediate attention to students with both minor and serious problems. Their co-operation is recognized and appreciated. Counselling involves teamwork and the academic and administrative facets of the University form an integral part as well. Without their assistance, the work of this department would be fragmented and haphazard. With Delaware Hall on the campus it is hoped that general counselling for women can be expanded and improved.

DEPARTMENT OF THE DEAN OF MEN

Report of the Dean

Mr. T.L. Hoskin

In 1965-66 there were 5,746 full-time graduate and undergraduate intramural students in the Colleges and Schools of the constituent University. Of these 3,962 (68%) were men.

<u>Undergraduate</u>	Men	3,205
	Women	1,695
<u>Graduate</u>	Men	757
	Women	<u>89</u>
TOTAL		5,746

This represents an increase of 458 students over the 1964-65 enrollment and 350 of these were men.

The Office of the Dean of Men provides a wide range of student services. The focus is very much on the individual student. These services include personal counselling, housing, financial assistance, employment, and liaison with university residences, student organizations, academic departments, offices of administration, and community resources. It is the opinion of this Department that, to be effective, a programme of student personnel services must be co-ordinated in this way.

Counselling

During the year, two professionally trained counsellors, the Assistant Dean of Men and the Dean of Men, were employed in this area. Students with psychological problems constitute a small, but very special, group. The counsellors work very closely with the Health Services Office and the University Physician and his staff have been very co-operative in accepting referrals on short notice and arranging promptly for the diagnosis and treatment of emotionally disturbed students.

On the recommendation of a Joint Student-Faculty Committee, chaired by the Dean of Men, the Board of Governors appointed Dr. John H. Thurlow to the staff of the Health Services Office in January 1966 to expand the facilities for assisting students with mental health problems. This appointment was well received by all concerned and has worked out very well this year.

Academic counselling is provided primarily by the Deans and Faculty Advisors in the various Colleges and Schools. In helping students select the right programme of studies, an academic advisor can prevent many student problems with serious consequences that might otherwise develop. It is important that students who are underachieving due to serious academic problems be identified early in the year before it is too late to help them. Cross referrals between the Colleges and the Office of the Dean of Men are necessary and desirable. The Dean of Men and his staff are pleased to have referred any students whose academic difficulty stems from a personal problem. In cases where the personal problem stems from an academic problem this department has received excellent co-operation from Deans, Department Heads and Faculty. Understanding and appreciation of the role each of these groups has to play in the provision of student services has been extremely helpful and much appreciated by this Department.

Student Financial Assistance

Mr. B.E. Smith, Awards Officer, reports that in 1965-66 47% of the student body received financial aid in the form of scholarships, bursaries, grants and loans for a total of \$2,239,032. In 1964-65 these figures were 51% for a total of \$2,024,000. Table 1 shows the distribution of aid by courses.

The number of students in Arts courses is almost equally divided between men and women and the average value of bursaries for men and women is also approximately equal. However, 27% of women students received bursaries compared to only 17% of the men. This wide difference is attributed to the greater proportion of girls with the required average of 66% or better. Taking all first-year students together, 65.5% of the women qualified academically for bursaries compared to 44.6% of the men. It is not surprising, therefore, that in the Faculty of Arts 32% of first-year women and only 14% of first-year men received bursaries.

This comparison, which at first sight is rather astounding, points up two interesting facts:

TABLE 1 - STUDENT AID SUMMARY, 1965-66

Number in Course	Course and Year	BURSARIES AND GRANTS INCL. TYPES A AND B		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 \$
3,053	Arts Totals (see Table 2)	810	217,890.	326	97,435.	77	36,430.	824	557,132.	2,037	908,887.
474	Science I	125	45,925.	141	46,600.	14	8,064.	90	59,045.	370	159,634.
331	" II	81	16,855.	27	8,063.	9	5,190.	70	44,334.	187	74,442.
216	" III	58	12,645.	17	4,748.	9	4,165.	68	42,580.	152	64,138.
68	" IV	28	5,510.	28	8,810.	2	575.	19	9,990.	77	24,885.
1,089	" Totals	292	80,935.	213	68,221.	34	17,994.	247	155,949.	786	323,099.
111	Engineering I	22	6,100.	13	4,350.	7	4,115.	31	20,900.	73	35,465.
69	" II	14	3,400.	5	2,150.	6	3,220.	21	13,360.	46	22,130.
48	" III	22	5,315.	4	1,950.	2	1,115.	17	10,520.	45	18,900.
51	" IV	11	1,910.	3	500.	7	4,200.	15	11,215.	36	17,825.
279	" Totals	69	16,725.	25	8,950.	22	12,650.	84	55,995.	200	94,320.
82	Law I	21	5,050.	-	-	3	1,650.	25	16,225.	49	22,925.
48	" II	17	3,940.	-	-	1	200.	24	18,565.	42	22,705.
49	" III	14	2,430.	2	200.	-	-	23	19,020.	39	21,650.
179	" Totals	52	11,420.	2	200.	4	1,850.	72	53,810.	130	67,280.
74	Medicine I	52	15,875.	5	3,275.	1	725.	21	15,495.	79	35,370.
57	" II	25	5,860.	8	3,110.	8	5,575.	16	10,375.	57	24,920.
60	" III	32	7,420.	2	150.	4	2,900.	21	16,675.	59	27,145.
54	" IV	17	4,635.	9	975.	6	4,350.	14	11,840.	46	21,800.
245	" Totals	126	33,790.	24	7,510.	19	13,550.	72	54,385.	241	109,235.
186	Nursing	12	2,025.	1	350.	113	70,310.	38	30,615.	164	103,300.
176	Althouse	28	8,115.	-	-	6	2,281.	33	22,450.	67	32,846.
5,207	Totals Undergrads.	1,389	370,900.	591	182,666.	275	155,065.	1,370	930,336.	3,625	1,638,967.
268	M.B.A.	12	2,955.	7	3,540.	25	15,025.	71	57,210.	115	78,730.
589	Other Grads.	36	8,785.	4	1,030.	314	448,760.	101	62,760.	455	521,335.
857	Totals Grads.	48	11,740.	11	4,570.	339	463,785.	172	119,970.	570	600,065.
6,064	Grand Totals	1,437	382,640.	602	187,236.	614	618,850.	1,542	1,050,306.	4,195	2,239,032.

1. A far greater percentage of men students, with high averages, enter Science and Engineering rather than Arts; and
2. The wide gap between men's and women's awards, and presumably averages, narrows after the first year.

When Arts and Science are combined, the percentages of men and women receiving bursaries (taking Type A figures as a reasonable indicator of overall distribution) are 15% men and 19% women.

Loans to men and women in Arts are approximately equal in value but only 23.6% of women students borrowed in 1965-66 compared to 29.6% of the men. In 1964-65 these figures, overall, were 23.8% and 32.3%.

When all awards are taken together (loans, grants, etc.) there is no significant difference in the percentage of men and women assisted nor in the value of the average award.

The percentage of all students receiving loans dropped from 31.5% in 1964-65 to 25.4% in 1965-66. This drop can be attributed to a new regulation governing assistance under the Canada Student Loans Act. Also, married students with fellowships were precluded from borrowing until late in the year, at which time this restriction was relaxed.

In number and amount total loans in 1965-66 equalled those in 1964-65.

The average loan approved in 1965-66 was \$682. This figure, compared to \$609 in the previous year, is about 40% below the provincial average.

Apart from increased educational costs, this increased loan figure results from loan approvals, made early in the year, for amounts which did not try to anticipate subsequent awards with a high degree of accuracy. In other words, the amounts actually borrowed would be less than the amounts approved. This sensible step, although increasing the average loan figure, reduced the number of supplementary loans later in the year from 240 in 1964-65 to 83 in 1965-66.

Reports have been sent to all private donors of student aid funds giving at least the names, courses and addresses of their award-holders and enclosing letters of thanks from students. Thirty-nine per

cent of the recipients of bursaries and grants wrote thank you letters. This is a substantial, and welcome, increase over the 15% who wrote in 1964-65.

At the time of writing this report the only new awards from private donors for 1966-67 are the Maud H. Smallman Estate Bursaries and the Lt. Col. W.I. Nurse Scholarship which, together, will amount to \$3,000 annually.

It is with sincere regret that the resignation of Mr. B.E. Smith has been accepted effective June 30, 1966, to enable him to assume new duties as Secretary of the Board of Governors of the University. During his three years as Awards Officer he has done an excellent job and his efforts have been much appreciated. His successor, Mr. A.E. Douglas MacKenzie, was appointed on July 1, 1966. Mr. MacKenzie is an Honours graduate from Western with five years' teaching experience in the Secondary Schools and a fine record as a scholar and an athlete.

In June 1966, the Dean of Men was appointed Chairman of a Commission on Student Aid under the sponsorship of the Canadian Association of University Student Personnel Services.

Placement

The Assistant Dean of Men, Mr. B.G. Wells, supervises the graduate, summer and part-time placement programme for all students except those in the School of Business Administration. Mr. Wells reports that in 1965-66 this part of the University placement programme received 850 representatives from 420 different employers who held over 5,000 interviews on campus from December to early April.

	<u>Number of Recruiters Interviewing on Campus</u>	<u>Number of Interviews</u>
General Placement Programme in Arts, Science & Engineering	310	3,957
Althouse College of Education Teacher Placement Programme	65	1,363
Miscellaneous Placement (Inter- views in Departments, etc.)	<u>45</u>	<u>450 (approx.)</u>
	420	5,770

During the year the Placement Office instituted a placement library with information on careers in government, industry and education. It also conducted a survey of starting salaries for graduates offered in Canada by government and industry. The cost of the survey was covered by the Canadian University Career Planning Association for use by Canadian employers and university placement officers.

The problem of finding space for over 5,000 recruiting interviews was acute in 1965-66. It is with much pleasure and sincere thanks that this Department reports the appointment of a full-time Director of Placement and Off-Campus Housing effective July 1, 1966, with improved year-round accommodation in Rooms 23, 24 and 25, Thames Hall. Mr. Wells becomes a full-time Assistant Dean of Men and he will be succeeded in the Placement Office by Mr. John Buckingham, recently retired from the Royal Canadian Navy. In 1966-67 the placement programme will begin in mid-November and continue until the following May with most of April and May being spent on summer employment.

Medway Hall

The following were on the staff of Medway Hall in 1965-66:

Warden of Men's Residences:	W. Cameron Henry, Ph.D.
Dons:	Murray M. Young, Ph.D. Andrew D. Henderson, B.A. Malcolm Galatin, Ph.D.
Secretary:	Mr. 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, Department of History, University College
J.G. Blackwell, M.Sc., Ph.D.	Senior Professor of Applied Mathematics, Department of Mathematics and Astronomy, College of Science

- T.J. Casaubon, B.A. Professor, Department of Romance Languages, Middlesex College.
- E.W. Packer, M.A., F.R.G.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 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. Resident Artist.

Honorary Residence Fellow

Brigadier the Honourable Warden of Medway Hall
 Milton Fowler Gregg, V.C.,
 C.B.E., M.C., E.D.

For the regular academic year 1965-66, 1,700 applications were received by the Residence Admissions Office in Medway Hall on behalf of the two men's residences. During the summer of 1966, 906 persons in special groups were accommodated in Medway Hall.

Sydenham Hall

The following were on staff of Sydenham Hall in 1965-66:

Warden of Men's Residences: W. Cameron Henry, Ph.D.

Proctor: Donald R. Miller, Ph.D.

Dons: James Nininger, M.B.A.
Peter Neary, Ph.D.
James Ellert, 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":

J.W. Graham, Ph.D. Professor and Head, Department of English, University College.

J. Havelka, M.A., Ph.D., M.Sc. Associate Professor, Department of Psychology, Middlesex College.

L. Ignatieff, M.A., Ph.D. Professor and Head, Department of Russian Studies, Middlesex College.

A.H. Johnson, M.A., Ph.D., F.R.S.C. Professor and Head, Department of Philosophy, University College.

W.J. L'Heureux, M.A. Professor and Head, Department of Physical and Health Education, University College.

R.G.E. Murray, M.A., M.D., C.M., F.R.S.C. Professor and Head, Department of Bacteriology and Immunology, Faculty of Medicine.

R.H. Stinson, Ph.D. Associate Professor, Department of Zoology, College of Science.

W.A. Thompson, M.B.A.	Associate Dean of the School of Business Administration.
R.J. Uffen, Ph.D., P.Eng., F.R.S.C.	Dean of the College of Science
W.H. Wehlau, Ph.D.	Professor, Department of Applied Mathematics and Astronomy, College of Science.

During the summer of 1966, 252 summer school students, 25 graduate students, 85 casual students, and 498 persons in special groups were accommodated in sydenham Hall.

The academic year 1965-66 was a good year for the Men's Residences and much credit is due to the work of Warden Henry and his staff.

Foreign Students

In 1965-66, 279 foreign students were studying at The University of Western Ontario. There were 176 graduate students from the following geographic areas: Asia, 107; Africa, 22; Europe, 54; North and South America, 96. The countries with the largest representation were the United States, 45; the United Kingdom, 41; India, 38; and Hong Kong, 27.

All the special foreign student programmes at Western are administered by groups responsible to the University Students' Council. These include the Overseas Students Reception Service operated by the Canadian Union of Students, and the International Students' Club which organizes social functions. A community group, "Friendly Relations with Overseas Students", has also provided invaluable assistance to our programmes.

Dr. Murray Young, Assistant Professor, Faculty of Engineering Science, has acted as Faculty Advisor to the International Students' Club and the Foreign Student programme. He has been a genuine friend and counsellor to our foreign students.

Throughout the year liaison between the University and the various foreign students programmes has been provided by the Assistant Dean of Men.

Fraternities

The Chapter averages of all of Western's nine fraternities were above the all-men's average in the University and the fraternities' combined average was the highest in the past eight years. This achievement has not been without considerable effort on the part of the Interfraternity Council and the chapters themselves. In many instances the elders have also helped by encouraging the undergraduate chapters to set higher standards in their pledge programme. Most chapters now have quiet hours during the week with tutors available to help members who have academic problems.

The Interfraternity Council feels that every pledge should find in his chapter an atmosphere conducive to academic achievement as well as intellectual, social and moral growth. Every fraternity man is told that he has a responsibility to conduct himself in such a way as to bring credit to himself, his fraternity, and his university. Our fraternity system has gone a long way towards the achievement of these goals.

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 1965-66 the Medals were won by:

Single Poem:

"The Settlers", by Margaret Atwood published in Prism. (Judges: R. Stingle, J. Margolis)

Short Story:

"Four Stations to his Circle", by Austin C. Clarke, published in Saturday Night. (Judges: J. Reaney, L. Morrissey)

Scholarly Article:

"The Historian and French-Canadian Nationalism", by Ramsay Cook, published in Tamarack Review. (Judges: J. Davis, R. Bates)

General Article:

"The Cultural Guerillas of Quebec", by William French, published in The Globe and Mail Magazine. (Judges: V. Hoar, T. Dunn)

UNIVERSITY ATHLETIC ASSOCIATION

Report of the President

Dr. K.P. Strickland

The year 1965-66 has seen an increasing number of students participating in the varied programme offered to all student members of The University of Western Ontario Athletic Association. The interest and competition has been keen in all aspects of the programme, including Men's Intercollegiate Athletics, Men's Intramural Athletics, Women's Intercollegiate Athletics and Women's Intramural Athletics. The increased student participation is due both to an enlarged programme and to the larger enrollment, and is now so great that all facilities are being severely taxed.

During the year three meetings of the Directorate and two special meetings of the Association were held. In addition to dealing with routine matters a number of items of interest arose from these meetings.

Directorate Meetings

At the first meeting the financial statement for Athletics in the year 1964-65 was examined. As agreed upon by the Board of Governors last year, figures indicating the percentage breakdown of expenditures were released to the Students' Council. A standing sub-committee of Faculty and students was formed to study future athletic policies and programmes, and the need for facilities and methods for improved communication. At the second meeting this sub-committee made a number of recommendations relating to new trophies, the 1966-67 athletic programme and immediate problems relating to facilities. It is anticipated that this committee will play a key role in future directorate work. The Directorate was pleased to recognize two new trophies: the St. Thomas Circle "K" Club Trophy to be awarded annually to the most valuable member of the senior hockey team; and the Robert W. McChesney Memorial Trophy to be awarded to the member of the Intercollegiate Hockey

Team who, in the opinion of his teammates, best displays the qualities of loyalty and sportsmanship during the current season. At its final meeting the Directorate approved of Intercollegiate participation in rugger and gave permission to the Gym Club to use the name of the University.

Association Meetings

A special meeting of the Association was jointly convened with Women's Athletic Banquet to approve a small change in the constitution relating to female student representation. The Annual Dinner and Meeting of the Association was held April 6, 1966. New student representatives to the Athletic Directorate were announced as follows: Eric Boyd, two-year term for Intercollegiate Sports; George Heigenhauser, one-year term for Intramural Sports; Tom Garrity, two-year term for Intramural Sports; Miss Jeanine Tough, one-year term for Intercollegiate Sports; Miss Nancy Leal, two-year term for Women's Athletic Council. In addition to the above persons, Norman Gledhill and Roger Oatley will continue as representatives.

Our congratulations are extended to all the winners of awards made at the Women's, Men's Intramural and Men's Intercollegiate Athletic Banquets. The winning of Intercollegiate Championships was restricted to our women athletes who won in indoor archery, basketball, volleyball and tied in field hockey. The men had an "almost year" for they almost won seven championships, finishing second in football, soccer, wrestling, badminton, tennis, hockey and curling.

On the purely administrative level a number of noteworthy changes are about to be made by the Ontario-Quebec Athletic Association. A five-year eligibility rule was passed, and a constitution committee was established to make recommendations concerning revision of the constitution and to consider possible changes in voting privileges and in the representation of institutions on the OQAA Board of Governors. Our Directorate made a number of suggestions which are to be considered by this committee.

On behalf of the Directorate I wish to extend our sincere thanks to all who have worked so hard to provide Western with a well-balanced athletic programme.

INTERCOLLEGIATE ATHLETICS

Report of the Director

Mr. J.P. Metras

Men's Intercollegiate Athletics

For the first time, the Annual Athletic Banquet did not feature the presentation of a trophy for an Intercollegiate Championship. Despite this indication that the competition (now totalling ten universities in the OQAA) is tougher than ever, the record of Mustang teams was most impressive. Most teams finished well up in the standings. The Purple and White colours were carried in three new sports, skiing, judo and volleyball, the last being added to the OQAA for the first time. This means that U.W.O. athletes take part in 17 of the 21 sports offered in the league. Rugger will be added to the list this fall.

Football

The men of Metras finished first in the four-team league with a five and one record. In a sudden-death playoff in the J.W. Little Memorial Stadium, second place Toronto edged the Mustangs 21-16 to take the Yates Trophy, emblematic of the Ontario-Quebec Athletic Association Championship. The Mustangs' overall record, including exhibition games, of seven wins and three losses, improved on the previous season's record of 2-6-1.

The Colts played a series of exhibition games winning three and losing one. Freshman end, Roger Robbins, was voted the Dr. Archie Galbraith Memorial Trophy.

Hockey

Under freshman coach Ron Watson's able direction, the Hockey Mustangs came close to taking it all, but finally just lost out league honours

to the eventual Canadian champs, University of Toronto Blues. Western went out in front and led the league until the final week of the schedule. Teamwork was the most outstanding attribute of the club which finished its second season in the league with a 12-2-2 record. Scoring and defensive strength was well distributed among most of the players. Goalie Gary Bonney again led the league with a three-goal per game average and was picked as league all-star net minder. Prospects for next year look good if adequate replacements are found for the four veterans who have graduated -- Larry Babcock, Pete Kelly, Dave Leeson and Reg Higgs. London fans and Western students are increasingly showing their appreciation of the excellent brand of hockey being played in the OQAA and the Mustang following is steadily growing.

Basketball

Coach Jerry Gonser, in his second season as head man, saw his charges improve on their admittedly dismal record of the previous season as they finished fifth in the Western Division with a three and seven record. They gave a good account of themselves in their other league games as evidenced by two losses to Toronto by two-point margins with identical scores of 71-69. With only two seniors graduated, Paul Newman and Peter Burton, a brighter future seems assured for the cagers next season.

Swimming

The Mustang mermen, third in OQAA competition, placed fourth in the C.I.A.U. championships in Vancouver with six men representing Western under coach Bob Eynon. They were Conrad Odegard, Al Guthrie, Klaus Meier, Rod Govan, Arend Bonen and Keith Stewart.

Wrestling

The matmen failed to defend their OQAA Team Championship by the narrowest of margins, losing to the University of Guelph by a single point. Four U.W.O. wrestlers won individual championships: Ron Schad, Peter Lockyer, Charlie Nixon and Don Panagapka. Coach Glynn Leyshon was named Coach of the Canadian team which competed in the World Championships in Toledo.

Volleyball

Many Meds of the late '30's will remember the Western volleyball teams which participated in Ontario Open competition. This year for the first time, the sport was recognized by the OQAA and a tournament was held at the University of Guelph. Coach Dutch Decker assembled a cosmopolitan team composed of a Dutchman, a Hungarian, an Indian, a Korean, a Chinese and a few native Canadians. They placed third and handed the eventual winners, Toronto, their only loss.

Racquet Sports

Boosted by the team championship in 1963-64, squash under Jack Fairs has been rapidly growing in anticipation of six additional courts becoming available in the new Alumni Hall. The team placed third in the OQAA Championships. The tennis and badminton teams both finished a close second to Toronto in their tournaments.

Other Sports

Coach Julian Payne brought in another second place finish as the Mustang soccer team completed another good year. After going through to the finals undefeated, the Mustang curling team lost out in a playoff and also had to be content with second place. Murray McNie's thin-clads, hampered by a lack of competition, were able to finish third in both track and harrier competition. Incidentally, the new all-weather rubber track in the J.W. Little Memorial Stadium has been completed and is finding favour with all who use it. The golf team, after turning in good scores, was forced to default when one of the members became ill and was forced to withdraw. Dr. Phil Fitz-James again headed the rowers to a successful season. The ski team finished fifth and the judo team seventh.

Athletic Awards

The Annual Athletic Awards Banquet was held on April 6 in the Great Hall of Somerville House. Special congratulations are in order to the following who join an illustrious list of former recipients of M.V.P. Awards.

The George Oliphant Trophy -- Wrestling -- Charlie Nixon
 The Dr. Archie Galbraith Trophy -- Colt Football -- Roger
 Robbins

The George McCullagh Award -- Sr. Football -- Art Froese
 The Peter Fowler Trophy -- Swimming -- Rod Govan and
 Conrad Odegard
 The Circle "K" Trophy -- Hockey -- Larry Babcock and Pete
 Kelly
 The Claude Brown Trophy -- Overall -- Robbie Campbell

A new trophy, the Robert McChesney Memorial Award, in memory of a Mustang Hockey player killed last year in a car accident, was donated jointly by the University College Council and the Athletic Association "to be awarded to a member of the Senior Hockey Team for Loyalty and Sportmanship". This went to Larry Babcock.

The Howard Ferguson Trophy was not awarded this year.

Men's Intramural Athletics

This year competition was at its greatest for the University Shield for the overall Intramural Championship. King's College placed first with 166 points and Huron College second with 152. The Meds made their strongest showing in years and had 151-1/2 points for third place. Others were University College (145), Middlesex College (106), Business-Law (95-1/2), and Engineering Science (43).

Points are awarded in a graduated scale for all championships in 23 different sports. Major sports are: six-man football, basketball, volleyball, hockey and water polo. A complete round-robin schedule is played in each of these activities, followed by a four-team playoff. Individual meets are held in swimming, track and field and wrestling, all classed as sub-major sports. The minor sports include tournaments in harrier, golf, handball, squash, badminton, table tennis, tennis, paddleball and bowling.

In addition to extensive organized league activities in many sports on both the inter-fraternity level and the residence level, house leagues also operate. In addition, special events such as Sports Nights and Club Championships are organized by numerous groups such as M.B.A., Huron College, etc.

Organized club activity takes place on a regular basis in curling, archery, bowling, ymnastics, badminton, fencing, judo and rugger.

Informal use of the facilities includes squash, handball, paddleball, basketball, tennis, badminton, weight-training and swimming.

The increase in the demands on facilities again necessitated the use of off-campus areas, particularly at the London Teachers' College.

A total of 124 Key Awards were made to champions, and Honour Athletic Plaques were awarded to Mike Manley of C.K.C., Andy Thomson of U.C. and Barry Grant of Huron. Intramural Athlete of the Year was Robbie Stevens of C.K.C.

Women's Athletics

In 1965-66 Western women won three Intercollegiate championships, Indoor Archery, Basketball and Volleyball, and tied for first place in Field Hockey. Western's girls' teams came second in Outdoor Archery, Swimming and Ice Hockey.

Intramurals showed an overall increase in the number of participants. Five Hundred and twenty-seven girls participated in the Intramural programme of 873 participations.

The Lang Trophy was won by P.H.R.E., 203 points, followed by U.C. with 179 points, Brescia 129, Huron 92, Nurses 74, M.C. 55, and A.C.E. 26.

Western girls were most successful in the telegraphic tournaments in archery, winning the tournament organized by the University of Southern Georgia (19 colleges and universities participating) and also the tournament organized by the University of Manitoba. Petronella Miedema came first individually in both of these tournaments.

In telegraphic bowling, Western placed fourth.

In the Westgumac League, both the Fall and the Winter Sports Days were won by Western, as well as the home and home games in volleyball and badminton.

Numberous exhibition games with McMaster, Toronto, Queen's, McGill, Waterloo and Windsor were won by Western. The exhibition sports included archery, badminton, basketball, field hockey, ice hockey, volleyball and swimming.

The athletic season was brought to a close with the Women's Athletic Council banquet which was held on March 30 at Somerville House and was attended by 200 persons. Forty-six First Colours, 21 Championships, seven Plates for Bronze "W"'s were awarded. White Blankets

were presented to Janet Baxter, Elaine McRae and Jo Anne Smith. The Jones Trophy was won by Jo Anne Smith. Silver Spoons were presented to 24 girls.

The Women's Athletic Council was chaired by Janet Baxter, with Jo Anne Smith serving as Vice-President and Judy Church as Intra-mural Manager.

THE WESTERN ONTARIO SECONDARY
SCHOOLS' ASSOCIATION

Report of the Secretary

Mr. H. A. Stewart

Territorially, W.O.S.S.A. has been reduced from the original 14 counties to the present seven. The reduction in area resulted from the splitting-off formation of S.W.O.S.S.A. (Windsor area) and C.W.O.S.A. (Guelph area).

Now in its forty-sixth year of operation, W.O.S.S.A. was the pioneer association of its kind in the province. Now there are 14 similarly organized associations, federated to form O.F.S.A.A. (Ontario Federation of School Athletic Associations).

W.O.S.S.A. continues to serve an ever-growing number of Secondary Schools and attendant students; presently we have 52 schools (and additions are imminent) with an approximate enrollment of 42,000, which number will also increase in the near future. Only T.D.I.A.A. serves more students than W.O.S.S.A.

Our association comprises the following competitive Conferences: Huron-Perth; Lambton-Middlesex; London and District; Sarnia and Tri-County. During the 1965-66 school year, W.O.S.S.A. distributed about \$900 worth of awards (cups, medals, crests, pennants, 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 during 1965-66:

Badminton	- 91	Soccer	- 64
Basketball	- 391	Tennis	- 71
Cross Country	- 240	Track & Field	- 554
Curling	- 80	Volleyball	- 332
Gymnastics	- 202	Wrestling	- 141

Many times the above numbers were engaged in Conference Competitions, in order to determine the W.O.S.S.A. finalists, as listed above. Nearly 2,000 boys played rugby football at Conference levels. Some hockey and swimming were carried on at the same levels. During the year W.O.S.S.A. convened the all-Ontario Track and Field and Swimming meets for O.F.S.A.A.

The W.O.S.S.A. office is no longer in Thames Hall, and The University of Western Ontario no longer pays 50% of the salary and expenses of the Secretary-Treasurer, so in my first year in the position my contacts with University personnel have been largely by telephone. However, I have been pleased and impressed with the ready assistance and co-operation that I have received from all University persons with whom I have had contact.

We of W.O.S.S.A. are deeply appreciative of the support and assistance tendered us by The University of Western Ontario, and it is our hope that harmonious, mutually beneficial relations will continue.

The Officers elected for 1966-67 are:

Past-President: Mr. Aubrey Fudge, Central Collegiate Institute, Sarnia;

President: Mr. Harry Posliff, District Collegiate Institute, Strathroy;

Vice-President: Mr. Fred Kennedy, Catholic Central High School, London;

Secretary-Treasurer: Mr. H.A. Stewart

UNIVERSITY HEALTH SERVICE

Report of the University Physician

Dr. Richard J. Bowen

Anticipation of better facilities becoming a reality carried the Department through a heavy year. It is gratifying, however, that during 1965-66 the students generally realized that help was available from the Department.

It is 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 success in their work. The staff were pleased despite considerable criticism both written and verbal to render sincere service at all times.

During the 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 8:00 a.m. 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, 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 1:30 p.m. to 4:30 p.m., five days a week and a physician was available for consultation from 12:30 to 1:30 p.m.

Summer School

The new facilities were opened in Somerville House for the beginning of the Summer School and attendance was high at the clinic throughout the whole session. 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

The past year was not characterized by widespread infections; accidents were few; and loss of time, except in special cases, was not marked.

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. In many cases, the Graduate Students require care in the offices of the university physicians and other practitioners.

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

I wish to express my sincere thanks to the President for his interest in tuberculosis control. I know of no other university where this matter is given as much thought by the chief executive and the governing body.

The special committee on tuberculosis control requested that investigation of all students for this disease be done at registration. 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 followup 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>
Cardiac	--	1
Diagnostic X-Rays	256	165
Treatment X-Rays	45	25
Dermatological	16	10
Orthopaedic	28	32
Psychiatric	48	28
Allergic	9	6
Medical	62	19
Surgical	98	44
Endocrinological	--	--
Eye, Ear, Nose & Throat	96	55
Dental	116	8
Gynaecological	16	8
Neurological	--	5
Urological	--	5
Psychologist	--	13

Statistical Survey

Prophylactic Innoculations

	<u>1964-65</u>	<u>1965-66</u>
Allergy Serums	674	587
Typhus-Cholera	66	68
Poliomyelitis	63	9
Polio and Tetanus	298	233
Tetanus	51	41
Typhoid-Paratyphoid	272	605
Smallpox	195	272
Staphloccus Toxoid	2	4
Immunization Clinics	386	11

Prophylactic Innoculations (Continued)

	<u>1964-65</u>	<u>1965-66</u>
Cold Vaccine	--	72
Liver Vitamin Injection	--	22
Paul Bunnel	207	165
Wasserman	39	13
T.A.B.T.	--	9

Althouse CollegeSeptember 1965 to May 1966

Health Service visits	895
Students referred to doctor	40
Insurance claims	12

Summer School 1965-66

Health Service visits	125
Students referred to doctor	16

Student Insurance

No changes were made in student insurance in 1965-66. The diagnostic clause was found to be particularly valuable by the Health Service. Insurance claims processed by the Health Service office numbered 535.

Staff

Mrs. W. Adlington of the Victorian Order of Nurses rendered the Department valuable service during 1965-66. The success of the tuberculosis survey, follow-up disability, insurance finalization and physical examinations is directly due to the efforts of Mrs. M. Jarvis whose staff work was excellently done.

Althouse College Health Service is under the capable direction of Mrs. J. Boughner, R.N.

Mrs. R. Bond has again returned to the Health Service in the Nursing Department.

Dr. J. Thurlow was appointed student counsellor. Dr. Thurlow has done invaluable work in helping students. It is felt the University is particularly fortunate in having a counsellor and in particular a physician trained in clinical work as well.

Acknowledgements

The University physician was constantly supported by the kind consideration of the President, Comptroller, Registrar, Dean and Principals.

The emergency departments of both hospitals have rendered a great deal of service to students at all times.

Great help and consideration was extended to the Health Service by Mr. J. Shortreed and his staff in the planning of the new Health Service.

Comment

The demand for medical certificates for lost academic time was greatly increased. I doubt the actual value of this practise except in certain cases where closer liaison was maintained with the Faculty and instructors concerned.

Foreign travel increased the necessity for prophylactic inoculations. Clinics were carried out each week.

Mental health is at a high level and psychiatric referral has been greatly reduced.

ALUMNI ASSOCIATION

Report of the President

Dr. A. T. Hunter

During the year 1965-66 a number of activities were carried on by the Alumni Association. Among the more noteworthy of these were the sixth annual Spring Festival in March 1966, which was to feature the famous Van Cliburn with the Interlochen Symphony Orchestra. At the last moment, Van Cliburn was unable to attend. Nevertheless, the Spring Festival was adjudged to be both an artistic and a financial success.

In May 1966 an Awards Night was presented by the Alumni Association. During this evening, guided tours were conducted of the Health Sciences Centre and the Natural Sciences Centre. Following the guided tours, presentations were made to three distinguished alumni of the University. Dr. John Fisher, Dr. Allan Skinner and Dr. Elizabeth Laird received commendations for their outstanding contributions to the life of the University and to the Alumni Association.

During the year, an organized effort was made to maintain liaison with other groups on the campus, particularly in view of the several important events which were taking place. Mr. John Askew and Miss Nancy White maintained a close association with the Faculty Association, and were able to make an intelligent contribution to the deliberations of that group, as well as to keep the Alumni Association informed as to the thinking and activities of the Faculty Association.

Constant efforts were made to maintain liaison with the student body. This was accomplished in several ways with the able inspiration of Mr. Ward Cornell, Mr. Ken Murray, Dr. Jack Walters and Mr. Don Scott.

The principal work of the Alumni Association during this time, however, was concentrated on the organization and re-organization of the administrative affairs of the Association. It had been evident for

some time that a re-organization of the Association would be necessary; this was partly brought on by the vast and rapid increase in the membership in the Alumni Association. In 1953 when Mr. George Hartwell became the first Director of the Alumni Association, the population of the organization was approximately 8,000 persons. By the summer of 1965 this had grown to close to 20,000 people.

In recognition of this situation, the Alumni Association, in 1964, had made some preliminary investigations regarding a structural re-organization. A brief survey was carried out at that time by a group headed by Mr. W. Cornell and consisting of Mr. K.S. Murray, Mr. J. Chick and Mr. Cornell. Several universities in the eastern United States were visited, and the nature and scope of Alumni activities in these institutions were examined. It was evident at that time that, although an immediate increase in executive personnel was necessary, additional investigation would be necessary before a final organizational structure could be developed.

In the summer of 1965 a committee consisting of Mr. Ken S. Murray, the Past President of the Alumni Association; Dr. J.H. Walters, Second Vice-President of the Alumni Association; Mr. Ward Cornell, the First Vice-President and Dr. A. Hunter, the President of the Alumni Association, made a visitation tour to several universities on the eastern seaboard of the United States. These included Brown University where they were shown the facilities and organization, Dartmouth College where they were shown the facilities and structure, and Boston University where similar organizational facilities were demonstrated.

In each of these institutions, it was evident that, in order to carry out an active alumni programme with a large number of alumni, the Alumni organization had to become closely associated with the overall administration of the University. At each of these institutions, it was evident that there was an administrative officer in overall charge of the alumni operations who had a very senior post in the organizational structure of the university itself.

In addition to this, it was a uniform pattern that alumni fundraising activities were completely separated from alumni service functions, and the principal obvious function of the alumni organization was to provide service to its members. In exchange for this, there was, however, an enthusiasm among the alumni membership to contribute in a tangible financial way to the affairs of the university.

In addition to the universities on the eastern seaboard, visits were also made to the University of Michigan, to McGill University and

RE-ORGANIZATION CHART

to the University of Toronto, each of which has a very highly organized and highly efficient alumni organization. In each of these institutions, it was again observed that alumni organization was closely affiliated with the administration of the university itself, and that alumni fund-raising activities were separated and under distinct and autonomous control.

As a result of this investigation, and with the advent of Mr. G. Campbell McDonald on the local scene, it became possible and feasible to organize the structure of the Alumni Association at The University of Western Ontario so that it would become more an arm of the administration of the University, and that there would be direct organizational liaison with the administration. In arranging this organization, the very active and wise counsel of Vice-President Willis was an extreme help. In the autumn of 1965, and in the continued absence of Mr. George Hartwell, Mr. G. Campbell McDonald assumed the position of Director of Information Services and University Publications, and Co-ordinator of Alumni Affairs. This office was assumed on a temporary basis, in expectation that a more final organization would be created at a later date following the return of Mr. George Hartwell to his work. Through Mr. McDonald, the Alumni Council enjoy a direct communication with the administration of the University, and under Mr. McDonald the several activities of the Alumni Association are carried out.

Upon his return to work, Mr. Hartwell resumed his activities and has concentrated most of his energies on the fund-raising activities. Miss Doreen Burr has assumed a great responsibility as Records Officer and Office Manager of the Association, Professor James Burns has taken direct control of the special events, and Dr. Turville continues her activities with regard to Alumni clubs. Mr. McDonald assumed additional responsibilities in organizing and creating Alumni publications.

The Alumni Council maintains its traditional constitution, and still is the representative body of the Alumni Association as a whole. The Alumni Council thus is in a position to translate the sentiments of the Alumni Association into concrete activities of its own, receiving through the new organizational structure the complete support of the University itself.

Mention should be made here as well of the whole-hearted co-operation and sympathetic understanding that has been given to this rather major re-organizational endeavour by the Board of Governors, and in particular, tribute should be paid to Colonel Weldon whose insight and encouragement has been of very great assistance. Dr. Hall, on his

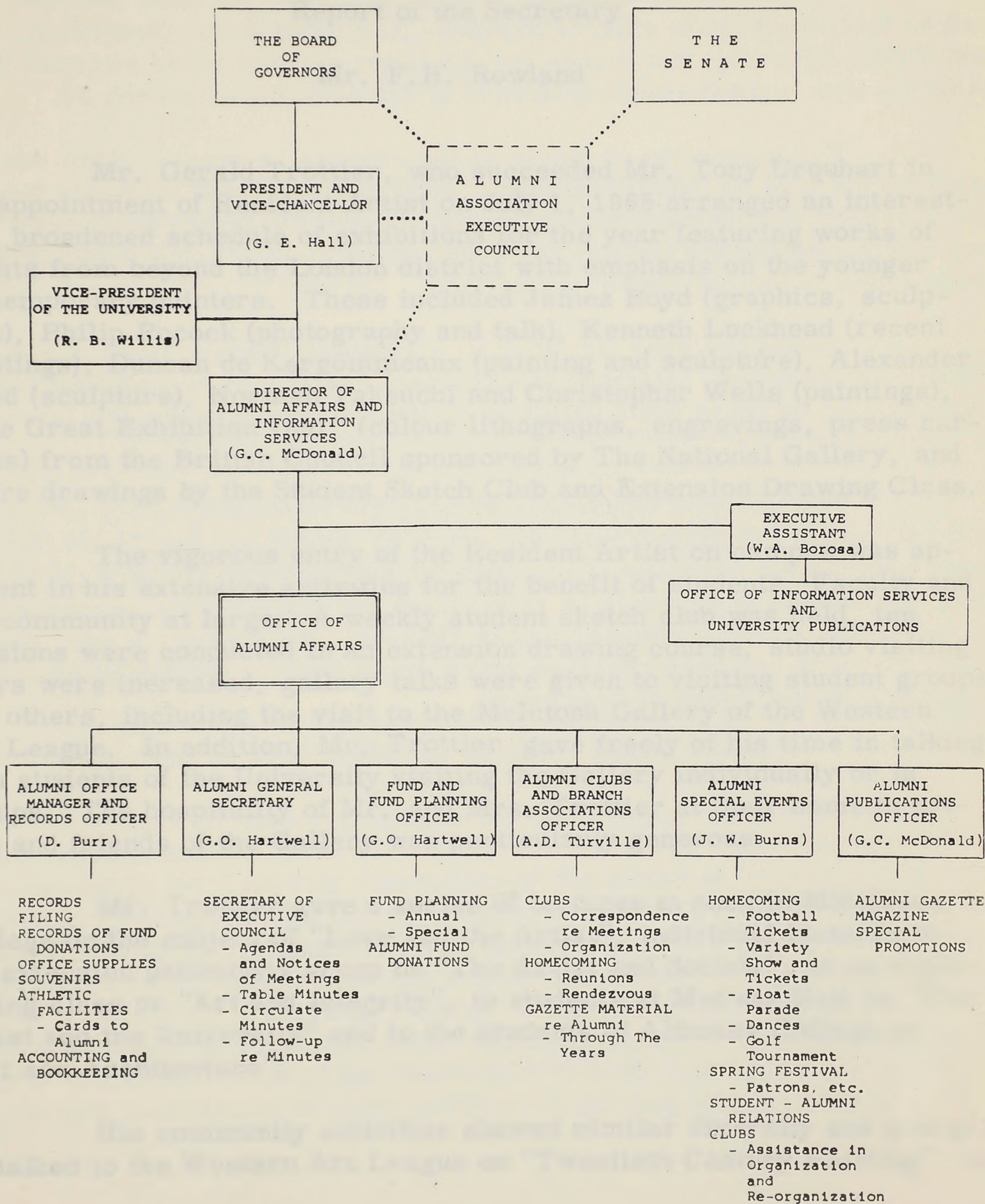
return to work, contributed his leadership and made it possible to implement the improved organization.

A structural "Flow Chart" accompanies this report and it is possible by viewing the outline of the flow chart to establish clearly the lines of communication and the lines of authority which henceforth should govern the activities of the Alumni Association. Mr. Ward Cornell has been instrumental in effecting both this chart and the deliberations that have led to its completion, and he is to be complimented for his contribution.

RE-ORGANIZATION CHART

ALUMNI OFFICE

THE UNIVERSITY OF WESTERN ONTARIO



JOINT McINTOSH COMMITTEE

Report of the Secretary

Mr. F. H. Rowland

Mr. Gerald Trottier, who succeeded Mr. Tony Urquhart in the appointment of Resident Artist on July 1, 1965 arranged an interesting, broadened schedule of exhibitions for the year featuring works of artists from beyond the London district with emphasis on the younger contemporary painters. These included James Boyd (graphics, sculpture), Philip Pocock (photography and talk), Kenneth Lockhead (recent paintings), Duncan de Kergommeaux (painting and sculpture), Alexander Dowd (sculpture), Norman Takeuchi and Christopher Wells (paintings), "The Great Exhibition 1851" (colour lithographs, engravings, press cartoons) from the British Council sponsored by The National Gallery, and figure drawings by the Student Sketch Club and Extension Drawing Class.

The vigorous entry of the Resident Artist on campus was apparent in his extensive activities for the benefit of students, Faculty and the community at large. A weekly student sketch club was held, ten sessions were conducted in an extension drawing course, studio visiting hours were increased, gallery talks were given to visiting student groups and others, including the visit to the McIntosh Gallery of the Western Art League. In addition, Mr. Trottier gave freely of his time in talking with students of the University visiting the Gallery individually or in groups. The hospitality of Mr. and Mrs. Trottier at their home to artists and friends of the Gallery was particularly generous.

Mr. Trottier gave a series of lectures at noon in Middlesex College on the subject of "Love and the Artist", individual lectures to the extension philosophy group on "The Artist and Society", to an engineering class on "Art and Integrity", to students at Medway Hall on "The Artist and the University" and to the students of Althouse College on "Art and Architecture".

His community activities showed similar diversity and energy. He talked to the Western Art League on "Twentieth Century Painting", to

the London Philatelic Society on "Stamp Design", to a group of medical doctors on "Contemporary Painting"; he conducted a drawing and painting class at Ingersoll and did exhibition judging at the London Gallery on the occasions of two major exhibitions.

In the year 1965-66 the Joint McIntosh Committee awarded prizes totalling \$750 in each of Business Administration, Geography and Public Speaking, the prizes for the latter activity being awarded to students with highest standing in each of the sections of Speech 39.

For promotion of music on the campus, a grant of \$250 was made to the U. W. O. choir and one of \$500 to the College of Music for the purchase of books and music for its library. A James Boyd print was purchased for the Gallery for \$100 and an etching and a drawing were added to the permanent collections.

During the year Dr. F. J. H. Campbell, former Dean of the Faculty of Medicine, informed the Resident Artist that he and Mrs. Campbell would leave their paintings to the University under the terms of their wills.

The Board of Governors adopted the recommendation of the Joint McIntosh Committee that, for every \$1 raised by outside contributions towards the purchase of pictures for the McIntosh Gallery collection, the amount of \$2 would be added from the University's resources up to \$1,000 per year commencing in 1965-66. By the year's end, however, no funds had been received which would initiate the matching contributions by the Board of Governors.

THE DEPARTMENT OF BUILDINGS AND GROUNDS

Report of the Superintendent

Mr. John Shortreed

During the year, the staff of the Department of Buildings and Grounds averaged 237 regular and part-time employees distributed as follows: technical three, clerical and drafting 20, operative 57, maintenance 47, and caretaking 127.

Reservations

The work of this section of the Department expanded some 14% over the previous year with room scheduling for functions outside of the academic curriculum increasing to a total of almost 8,000 reservations. A large number of variations from the regular timetables were also processed by the Reservations Office staff.

Traffic and Parking

The number of vehicle permits increased to 2,300 for regular term students and to over 1,300 for summer school students.

A special Standing Committee on Parking, consisting of academic representatives from each of the Colleges and Faculties, submitted a report to the Property Committee of the Board of Governors on suggested revisions to the current traffic and parking regulations and on methods of control. These revisions included the re-allocation of parking areas, and the creation of new areas with all major lots having controlled access and/or parking meters. A system of fees for all students, Faculty and staff to cover the costs was suggested. After receiving the report, the Board retained the services of a firm of professional traffic and parking consultants to study traffic and parking on the campus.

General Operation

The Department of Buildings and Grounds initiated an average of 21 purchase requisitions per working day for all phases of the year's operations. These resulted in the processing of almost 11,500 stores slips to a value of over \$759,000.

In addition to the normal maintenance work, the completion of \$162,815 building alterations, and the Capital Fund Projects, over 700 separate jobs were carried out for other University departments.

Alterations to Buildings

The Accounting Office in Stevenson Hall was renovated to utilize the space made available by the temporary relocation of the Purchasing Section to the basement of the McIntosh Memorial Building. This provided a number of additional smaller offices for Pay and Personnel staff.

Erection of partitions created additional individual offices in the Registrar's Office area.

Several special refrigerated incubators were adapted and installed for the Department of Botany, and growth light fixtures were installed in one section of the upper Greenhouse.

Convocation Hall in University College was converted into a library reading room.

Four University owned houses on Western Road were renovated to accommodate academic offices of Astronomy, Computer Science and a section of Psychology.

The Smallman house, 1080 Western Road, was demolished.

A basement storage area in the College of Music Building was converted into four practice rooms.

Extensive alterations were made in the laboratories and offices in Engineering Science.

The programme to modernize fire equipment and fire prevention constructions continued throughout the year. Installations were carried out in Thames Hall, Physical Sciences Building, University College and Stevenson Hall.

A programme was begun to install fire alarm systems and Gamewell circuits in all University buildings. When completed, a fire alarm from any building will cause a direct signal to the City Fire Department.

Message boxes were erected in almost all of the major buildings on campus and a pick-up service initiated for unstamped mail.

Alterations to Grounds

The Chemistry Building parking lot was extended to 470 spaces and prepared for paving next year.

Improvements to the road leading from University Drive to the Chemistry parking area were made preparatory to paving and the installation of lighting next year.

The storm drainage system on University Drive was considerably improved by the installation of 14 catchbasins.

A contract was let for relocation of the road south of the Physical Sciences Building. New lighting will be installed when the project, planned for many years, is complete.

The last section of the Middlesex College parking area was paved.

Road lighting was improved on University Bridge and along the east road from the bridge to the rear of the Chemistry Building.

New Construction

The attached progress chart indicates the progress on the Capital Funds Programme. It will be noted that during the year the Capital Programme exceeded \$12,000,000.

The Chemistry Building, the Natural Sciences Building, and the two wings to the Biology and Geology Building were almost fully occupied for the academic term, and were officially accepted from the contractor in the spring of 1966.

Partial occupancy was effected in the Somerville House Addition in June 1966 as planned. It is anticipated that the building will be ready for full use by the beginning of the fall term.

In Talbot College, partial occupancy of some of the classrooms and the language laboratory was obtained for summer school. It is anticipated that the remainder of the building will be available in September 1966.

Delaware Hall, the Second Women's Residence, had been delayed due to a strike, and although it seemed doubtful that it would be completely ready, it was planned that all of the anticipated students would be adequately housed.

Good progress was made on Alumni Hall, which is scheduled for full use by the end of 1966.

Dental Sciences

The plans and specifications were completed and tenders called on June 30, 1966 for the new Dental Sciences Building. The contract will include all the needed special clinics and laboratories for Dental Science. The required Basic Science Laboratories and Library will be integrated with similar units in the Medical Sciences Building. The new building will abut the Medical Sciences Building on the northeast side and run northward to connect with the future University Hospital.

Complete facilities will be installed for closed circuit television.

The ground and first floors of the buildings will contain the clinical, laboratory and supporting facilities for Dentistry. The clinical area on the ground floor consists of 104 dental cubicles where third and fourth year students will give treatments. Several small general treatment rooms and facilities for oral diagnosis and surgery and radiology X-ray equipment are also located on the ground floor. Facilities on these lower floors also include a large graduate clinic and dental hygiene clinic with two patient treatment areas.

The Departments of Pharmacology and Psychology and the Visual Aids section will occupy the second floor.

The third floor will house the Departments of Bacteriology and Biochemistry, while Pathology and Anatomy will occupy the fourth floor.

Animal quarters and a Medical Research area will be accommodated on the fifth floor.

Engineering Sciences

The facilities of the Faculty of Engineering Science were increased by the construction of a Low Speed Ground Boundary Layer Wind Tunnel. The building is located south of the Cronyn Memorial Observatory and was constructed at a contract cost of \$38,500 which included the concrete pad, heating and cooling, and mechanical and electrical attachments.

The construction is of insulated steel, 112 feet long by 32 feet wide. Research fund and academic personnel were responsible for the Wind Tunnel housed therein.

University College and Stevenson Hall

Tenders were called in January 1966 and a contract totalling \$1,836,000 awarded for additions to University College and Stevenson Hall, with anticipated occupancy by the end of the calendar year.

The University College Addition will extend 143 feet northward from the original building. It will contain two large lecture rooms, seating 100 students each, two lecture rooms to accommodate 50 students each, three large seminar rooms, and a language laboratory similar to those in Middlesex and Talbot Colleges. Offices are provided for the Faculty on all three floors adding 72 offices.

The Stevenson Hall Addition will parallel the original building to the east creating an open court. The ground floor will allow for expansion of the Registrar's Office facilities while the other floors will accommodate the accounting and other administrative offices.

Observatory

Although there was no development on the site, a 48-inch telescope was ordered from Boller & Chivens, Pasadena, California. It is expected that detailed planning of site and building will soon follow.

PlanningLibrary

This office worked with the main Library Committee, and the Superintendent was a member of the small Sub-Committee on Library Requirements. With the assistance of a Library Consultant, Mr. Keyes Metcalf, proposals satisfactory to all concerned were submitted to the Department of University Affairs.

The proposal envisaged a new building of 200,000 gross square feet to cost about \$7,000,000 and providing shelving for 1,000,000 books and seating for 2,000 students and staff. A non-circulating collection of 50,000 volumes will be available for undergraduates who may not have stack permits for the main collection.

Law School

Assistance was given the Law Faculty in preparing a proposal for doubling the size of the present building and a submission was made to the Department of University Affairs.

Architectural Services

The Board of Governors approved a recommendation from this Department to appoint a Sub-Committee on Architectural Services. The following were appointed:

Mr. E. W. Haldenby	Senior Toronto Architect
Dr. Thomas Howarth	Dean of the School of Architecture, University of Toronto
Mr. Douglas C. Johnson	Immediate Past President of the Ontario Association of Architects

The first meeting was held on March 7, 1966, and the siting of the proposed Library was discussed at the afternoon session with the Board. A suggestion from the Committee to set the main axis of the first stages east and west with the main entrance facing north was accepted.

The Committee is to meet when called by the Superintendent and advise the Board on architectural treatments and designs and

specifically when reviewing the Master Plan, considering new major structures, and adding or changing architectural services.

The first report of the Committee, concerning the Library site, was very much appreciated by the Board members.

Report of the Commanding Officer

LT Col. J. H. Macdonald

This report covers the period September 1966 to 31 August 1967.

The Commanding Officer returned to duty at the beginning of this period after a year's leave without pay in the United Kingdom. He wishes to extend his sincere appreciation of the excellent work done by the Acting Commanding Officer for 1966-67 (and regular Commanding Officer), Major G. F. H. Cross. He was made very much for a more loyal and efficient deputy. His task was particularly onerous in view of the inevitable difficulties and adjustments involved with the integration programme.

It was expected perhaps without much official justification that integration of the University Armed Forces Unit would be completed by the fall. It now seems likely that the Unit will maintain a separate identity for another year. The most significant improvement in training this year resulted of the much increased co-operation with Militia units, particularly with the York Hussars. We owe a special debt of gratitude to both the former and present Commanding Officers of that unit, Lt Col. E. F. J. Hall and Lt Col. C. G. Payne. We thank you too great for these officers in arranging facilities and a working out of at Ipswich for Commanding personnel.

In December 1967, through the generosity of the Auxiliary Colonel, Major-General A. C. Spry, CBE, RC, a very special social event was held. This was a Mass Dinner to commemorate the 50th Anniversary of the raising of the Contingent and we were privileged to have five of the original members of the 1917 Contingent among our guests.

The Dinner was organized by and held in the Mess Station Officers' Mess of the Royal Canadian Regiment. As usual, the RCR

CANADIAN OFFICERS' TRAINING CORPS

Report of the Commanding Officer

Lt. Col. J. H. Blackwell

This report covers the period September 1965 to 31 August 1966.

The Commanding Officer returned to duty at the beginning of this period after a year's leave-without-pay in the United Kingdom. He wishes to extend his sincere appreciation of the excellent work done by the Acting Commanding Officer for 1964-65 (and regular Second-in-Command), Major G. F. H. Chess. No one could have asked for a more loyal and efficient deputy. His task was particularly onerous in view of the inevitable difficulties and adjustments associated with the integration programme.

It was expected (perhaps without much official justification) that integration of the University Armed Forces Units would be completed by this fall. It now seems likely that the Units will maintain a separate identity for another year. The outstanding improvement in training this year consisted of the much increased co-operation with Militia units, particularly with the First Hussars. We owe a special debt of gratitude to both the former and present Commanding Officers of that unit, Lt. Col. E. F. J. Hull and Lt. Col. C. G. Phipps. No task was too great for these officers in arranging lectures and a week-end exercise at Ipperwash for Contingent personnel.

In December 1965, through the generosity of our Honorary Colonel, Major-General A. C. Spencer, CBE, ED, CD, a very special social event was held. This was a Mess Dinner to commemorate the 50th Anniversary of the raising of the Contingent and we were privileged to have five of the original members of the 1915 Contingent among our guests.

The Dinner was organized by and held in the Home Station Officers' Mess of the Royal Canadian Regiment. As usual, the RCR

arrangements were superb and all present had a most enjoyable evening. It is a matter of sincere regret to the Contingent that the principal host, General Spencer, was prevented by illness from attending.

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.

Total applications	30
Rejections	11
Medical grounds	1
Result of personnel selection test	-
By University Selection Board	7
Late applications	-
Result of applications withdrawn	3
Other reasons	-
Total enrolled	19

The total strength of the Contingent as of 31 May 1966 was:

	<u>UWO</u>	<u>Waterloo</u>	<u>Windsor</u>	<u>Total</u>
Contingent Officers	3	2	2	7
COTC	10	12	8	30
ROTP	7	8	8	23
RCN ROTP	8			8
UMSP - CA(R)	1			1
UMSP - RCN	4			4

Theoretical Training

Theoretical training was carried out from 21 September 1965 to 4 April 1966. Each Detachment paraded one evening per week:

Waterloo University College	Tuesdays, 6:00 to 8:00 p. m.
University of Western Ontario	Wednesdays, 6:30 to 8:30 p. m.
University of Windsor	Thursdays, 4:30 to 6:30 p. m.

Unit Administration

The "new" COTC badge has not yet been officially approved, probably because of the imminence of integration. Nevertheless, it has been used to decorate menus and other items at social functions during the past year.

Special Events

11 November 1965	Remembrance Day Service	UWO London
4 December 1965	50th Anniversary Dinner	London
29 January 1966	Rifle Competition RMC vs. UWO Cont. COTC	London
4 February 1966	Tri-Service Ball	Windsor
12 February 1966	Rifle Competition RMC vs. UWO Cont. COTC	Kingston
26 February 1966	25th Anniversary Dinner	Waterloo
25-27 March 1966	Annual Contingent Concentration	London
26 March 1966	Annual Mess Dinner	London

Practical Phase Training

A total of 45 COTC and ROTP 2nd Lts. and Officer Cadets were dispatched 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 33346	2nd Lt. M. N. G. Hutton	RCIC	London
TA 33266	2nd Lt. P. E. Johnson	RCASC	Waterloo
TA 33357	2nd Lt. K. R. Wilson	RCIC	Windsor

Contingent Staff 1965-66Contingent Officers

Commanding Officer	Lt. Col. J. H. Blackwell	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

Attached

RSO	Capt. C. F. Allen, CD	RCA
Clerk	S/Sgt. G. E. Jones, CD	CWAC

105 UNIVERSITY SQUADRON (RCAF)

Report of the Commanding Officer

Wing Commander J. R. W. Gwynne-Timothy

The University of Western Ontario Squadron, RCAF, has undergraduates taking training under the University Reserve Training Plan (URTP), the Regular Officer Training Plan (ROTP), and the Undergraduate Medical Subsidization Plan (UMSP).

Under the URTP, undergraduates undergo a training programme 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 Air 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, including a subsistence allowance and pay-at-rank, is paid by the government. After graduation they are required to serve four years as commissioned officers in the Regular Air Force.

Under the UMSP, 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 Squadrons has endeavoured to promote the following objectives:

1. 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;

2. To create in these individuals an awareness of the needs, problems and obligations of the service and an understanding 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 national emergency;
3. To introduce university students to Service life, so that they may make an intelligent appraisal of the advantages of a permanent Service career;
4. To strengthen generally the contact between the Service and the universities for the benefit of both.

Squadron Strength

The strength of the Squadron as of March 31, 1966 is as follows:

	<u>UWO London</u>		<u>University of Windsor</u>		<u>University of Waterloo</u>	
	<u>Male</u>	<u>Female</u>	<u>Male</u>	<u>Female</u>	<u>Male</u>	<u>Female</u>
Reserve Staff Officers	3		1		Nil	
URTP (O/C's & P/O's)	8		Nil		Nil	
ROTP	17		4		1	
UMSP	7		Nil		Nil	
RCAF Regular (Officers)	10		Nil		Nil	
RCAF Regular (Ex/Airmen)	2		Nil		Nil	
On Leave Without Pay	2		1		1	
Regular Force Support	<u>2</u>		<u>Nil</u>		<u>Nil</u>	
TOTALS	51		6		2	

TOTAL: Male -- 58; Female -- Nil

During the past year there were ten Regular Force Officers attending The University of Western Ontario. Three officers were enrolled in the Faculty of Medicine pursuing their M.D., two officers were enrolled in graduate psychology, and four officers enrolled in graduate studies at the School of Business Administration.

Recruiting

The URTP quota for the 1965-66 academic year was raised to eight Officer Cadets. Only six of these positions were filled.

Under ROTP recruiting six male applicants from UWO were accepted from first year.

Winter Training

The winter training programme for URTP, ROTP and first year UMSP 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.

Teams from Mobile Command and Air Defence Command presented lectures on developments in those fields.

Group Captain Chappel from Training Command Headquarters visited the quadron on February 16, 1966, and spoke on recent developments of Integration of the Canadian Forces.

Cadets from the Squadron participated in the Remembrance Day Service. The Annual Tri-Service ball was held at Prevost Armory on February 18, 1966 and the Squadron's Annual Mess Dinner was held at Canadian Forces Base Centralia on March 11, 1966. The guest of honour and speaker at the Mess Dinner was Dean A. W. Trueman.

Summer Training

All first year Cadets except the UMSP enrollees proceeded to the Reserve Officers' School at Canadian Forces Base Centralia for basic training before being assigned to specialized training in various branches of the Service at Canadian Forces Bases throughout Canada. The UMSP trainees proceeded to the Canadian Forces Medical Services Training Centre at Canadian Forces Base, Camp Borden, Ontario.

Second and third year Cadets proceeded directly to Canadian Forces Bases to continue contact training in their specialized branches.

Officer Cadet J. C. Mathe, a member of the Squadron detachment at University of Windsor, was selected for a summer posting to 3 Wing RCAF, Zweibrucken, Germany.

Staff

The following were members of UWO 105 University Squadron for 1965-66:

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 R. G. Ingram

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 commend the quality of work and assistance provided by the regular force personnel, Fl. Lt. F. G. Hessel and Cpl. R. G. Ingram. The training officers drawn from the faculties, S/L W. Bulani and S/L W. G. Benedict have also continued their excellent support of the operation of the unit. I wish also to note our appreciation of the spirit of friendly co-operation and willing assistance provided by all ranks of the COTC. All elements of the University have continued the friendly support and cordial interest which have so long distinguished the association of UWO with the Armed Services.

APPENDIX A
STAFF CHANGES

STAFF CHANGES

Office of the Vice-President (Arts and Science)

Appointment

M. K. Inman To be Vice-President (Arts and Science),
from Dean, Faculty of Arts and Science.

Office of the Vice-President (Health Sciences)

Appointment

O. H. Warwick To be Vice-President (Health Sciences),
and to continue as Dean, Faculty of Medicine.

FACULTY OF GRADUATE STUDIES

Appointment

R. J. Rossiter Dean

FACULTY OF ARTS AND SCIENCE

University College

Leaves-of-Absence

S. G. Peitchinis Associate Professor, Department of Econom-
ics and Sociology

Leaves-of-Absence (Continued)

- R. B. Eynon Assistant Professor, Department of Physical,
Health and Recreation Education
- F. Hayden Assistant Professor, Department of Physical,
Health and Recreation Education

Appointments Beyond Retirement Dates

- M. K. Inman Professor, Department of Economics and
Sociology
- E. K. Berzins (Mrs.) Associate Professor, Department of Physical,
Health and Recreation Education

Promotions

- J. Avotins Assistant Professor, Department of Classics
- A. R. Littlewood Lecturer, Department of Classics
- R. Wonnacott Professor, Department of Economics
- D. W. Harris Instructor, Department of Economics and
Sociology
- J. W. Graham Professor and Head, Department of English
- D. Hair Assistant Professor, Department of English
- D. Kaula Assistant Professor, Department of English
- H. Schueler Assistant Professor, Department of German
- W. K. Ferguson Senior Professor, Department of History
- B. W. Hodgins Assistant Professor, Department of History
- J. P. McLaughlin Associate Professor, Department of History
- J. K. Steele Assistant Professor, Department of History

Promotions (Continued)

A. V. Tucker	Professor and Head, Department of History
S. G. French	Associate Professor, Department of Philosophy'
G. I. Gonser	Assistant Professor, Department of Physical, Health and Recreation Education
F. J. Hayden	Associate Professor, Department of Physical, Health and Recreation Education
G. A. Wearing	Associate Professor, Department of Physical, Health and Recreation Education
J. C. Newman (Mrs.)	Lecturer (part-time), Department of Romance Languages
R. Waller (Mrs.)	Associate Professor, Department of Secretarial Science

Appointments

M. H. M. MacKinnon	Assistant Principal
J. Allingham	Assistant Professor, Department of Economics and Sociology
A. Anastasopoulous	Lecturer, Department of Economics and Sociology
T. R. Balakrishnan	Assistant Professor, Department of Economics and Sociology
E. Bond	Instructor (part-time), Department of Economics and Sociology
R. Bodkin	Associate Professor, Department of Economics and Sociology
T. Courchene	Lecturer, Department of Economics and Sociology
M. Daniels	Lecturer, Department of Economics and Sociology

Appointments (Continued)

M. Galatin	Lecturer, Department of Economics and Sociology
D. W. Harris	Sessional Lecturer (part-time), Department of Economics and Sociology
G. K. Jarvis	Lecturer, Department of Economics and Sociology
J. Kantner	Professor, Department of Economics and Sociology
E. D. Moore	Sessional Lecturer (part-time), Department of Economics and Sociology
T. R. Robinson	Lecturer, Department of Economics and Sociology
W. H. Somermeijer	Professor, Department of Economics and Sociology
J. Anonby	Instructor, Department of English
L. Dawson	Instructor, Department of English
L. J. Morrissey	Assistant Professor, Department of English
L. McGaw	Instructor, Department of English
• D. B. McKeen	Instructor, Department of English
G. D. Parker	Lecturer, Department of English
M. Szyfman	Instructor, Department of English
G. H. Seufert	Lecturer, Department of German
D. S. Hoffman	Lecturer, Department of History
J. P. McLaughlin	Associate Professor, Department of History
G. R. Taylor	Assistant Professor, Department of History

Appointments (Continued)

C. G. Thorne	Lecturer, Department of History
C. E. S. Wilson	Assistant Professor, Department of Journalism
G. Leyshon	Assistant Professor, Department of Physical, Health and Recreation Education
J. R. Richardson	Assistant Professor, Department of Physical, Health and Recreation Education
M. J. Taylor	Lecturer, Department of Physical, Health and Recreation Education
R. Watson	Lecturer, Department of Physical, Health and Recreation Education
E. Beaman	Lecturer, Department of Philosophy
J. Margolis	Professor and Acting Head, Department of Philosophy
S. B. John	Visiting Professor, Department of Romance Languages
B. D. Seldon	Instructor, Department of Secretarial Science

Retirements

J. D. Ralph	Professor, Department of Classics
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Middlesex CollegePromotions

B. Bandeen	Associate Professor, Department of English
A. Bolgan	Associate Professor, Department of English
P. Fleck	Associate Professor and Acting Head, Department of English

Promotions (Continued)

N. Hultin	Assistant Professor, Department of English
G. Rans	Associate Professor, Department of English
R. W. Packer	Professor, Department of Geography
C. F. Whebell	Associate Professor, Department of Geography
A. M. J. Hyatt	Assistant Professor, Department of History
C. A. Ruud	Assistant Professor, Department of History
P. Angeles	Associate Professor, Department of Philosophy
A. Schrecker	Assistant Professor, Department of Philosophy
W. J. McClelland	Associate Professor, Department of Psychology
F. W. Taylor	Associate Professor, Department of Psychology
A. Favre	Associate Professor, Department of Romance Languages
L. Forsyth (Mrs.)	Lecturer, Department of Romance Languages
F. K. Harper	Assistant Professor, Department of Romance Languages
A. Roth	Assistant Professor, Department of Romance Languages
R. N. Shervill	Dean and Professor, Department of Romance Languages

Appointments

W. J. McClelland	Assistant Dean
P. D. Fleck	Associate Professor and Acting Head, Department of English

Appointments (Continued)

D. H. Hensley	Assistant Professor, Department of English
V. Hoard	Assistant Professor, Department of English
J. Kuist	Assistant Professor, Department of English
P. Orr	Instructor, Department of English
R. G. Woodman	Professor, Department of English
A. K. Philbrick	Professor, Department of Geography
H. W. Taylor	Associate Professor, Department of Geography
M. J. Troughton	Lecturer, Department of Geography
R. A. Hohner	Lecturer, Department of History
D. G. G. Kerr	Professor, Department of History
J. R. Lander	Professor, Department of History
P. F. Neary	Assistant Professor, Department of History
H. M. Thomas	Honorary Professor, Department of History
H. M. Wade	Professor and Head, Department of History
M. Zaslow	Professor, Department of History
G. Buchdohl	Visiting Senior Professor, Department of Philosophy
P. Maynard	Lecturer, Department of Philosophy
W. K. Wilson	Lecturer, Department of Philosophy
W. M. Dobell	Assistant Professor, Department of Political Science
R. Selucky	Visiting Professor, Department of Political Science

Appointments (Continued)

G. J. Mogenson	Associate Professor, Department of Psychology
J. Paul	Associate Professor (part-time), Department of Psychology
G. M. Phills	Instructor (part-time), Department of Psychology
W. E. Reitz	Assistant Professor, Department of Psychology
K. L. Wright	Instructor (part-time) Department of Psychology
E. Castillo	Assistant Professor, Department of Romance Languages
M. F. Galvo	Assistant Professor, Department of Romance Languages
W. Flint	Professor and Acting Head, Department of Romance Languages
C. Smith	Visiting Senior Professor, Department of Romance Languages

College of SciencePromotions

R. J. Uffen	Dean and Professor (continuing), Department of Geophysics
A. E. Scott	Associate Professor and Acting Head, Department of Chemistry
F. Zabransky	Lecturer, Department of Computer Science
H. R. Frolick	Assistant Professor, Department of Physics
W. R. Jarmain	Assistant Professor, Department of Physics
W. E. McKeen	Professor, Department of Botany

Promotions (Continued)

D. G. Wilson	Professor, Department of Botany
J. W. Burns	Honorary Professor, Department of Chemistry
C. P. Demas	Sessional Lecturer, Department of Chemistry
A. E. Scott	Acting Head, Department of Chemistry
P. R. Warnhoff	Assistant Professor, Department of Chemistry
M. Bennett	Lecturer, Department of Computer Science
M. E. L. Fleet	Assistant Professor, Department of Geology
G. H. Reavely	Acting Assistant Principal and Professor, Department of Geology
C. G. Winder	Professor and Acting Head, Department of Geology
A. E. Beck	Professor and Head, Department of Geophysics
C. M. Carmichael	Acting Head, Department of Geophysics
A. Bode (Miss)	Assistant Professor, Department of Mathema- tics
R. H. Cole	Senior Professor, Department of Mathematics
D. A. McKay	Associate Professor, Department of Mathema- tics
D. R. Miller	Associate Professor, Department of Mathema- tics
D. Naylor	Professor, Department of Mathematics
M. Nerenberg	Associate Professor, Department of Mathema- tics
A. Saleh	Lecturer, Department of Mathematics
J. D. Talman	Professor, Department of Mathematics

Promotions (Continued)

J. A. Fulford	Associate Professor, Department of Physics
G. F. Lyon	Associate Professor, Department of Physics
G. S. Rose	Associate Professor, Department of Physics

Appointments

C. E. Caten	Lecturer, Department of Botany
B. G. Cumming	Professor, Department of Botany
H. C. Clark	Senior Professor, Department of Chemistry
R. A. Haines	Assistant Professor, Department of Chemistry
P. W. Jacobs	Senior Professor, Department of Chemistry
T. C. Mak	Assistant Professor, Department of Chemistry
W. I. Meath	Assistant Professor, Department of Chemistry
G. Beckhoff	Lecturer, Department of Computer Science
C. Dunham	Instructor, Department of Computer Science
H. Takahashi	Visiting Associate Professor, Department of Geophysics
W. J. Lewis	Lecturer, Department of Physics
M. Schlesinger	Assistant Professor, Department of Physics
M. Snyder	Lecturer, Department of Physics
R. A. Round	Supervisor of Technical Services, Natural Science Centre
W. N. Holsworth	Assistant Professor, Department of Zoology
J. A. Carruthers	Associate Professor, Department of Physics
E. L. Vogan	Associate Professor, Department of Physics

Leaves-of-Absence

T. L. M. Pattison	Professor and Head, Department of Chemistry
A. E. Beck	Professor and Head, Department of Geophysics

Appointments Beyond Retirement Dates

H. I. Battle (Miss)	Professor, Department of Zoology
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College of MusicPromotion

C. von Kuster	Dean and Professor
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Appointments

P. J. Clements	Lecturer
P. Green	Assistant Professor
P. S. Odegard	Assistant Professor
B. Skelton	Assistant Professor

FACULTY OF MEDICINELeave-of-Absence

J. C. Paterson	Professor, Departments of Medical Research and Pathology; Lecturer, Department of Bacteriology and Immunology
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Appointments Beyond Retirement Dates

E. A. Anderson	Senior Technician, Department of Anatomy
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Appointments Beyond Retirement Dates (Continued)

G. M. Strickland (Mrs.)	Research Assistant, Department of Medical Research
R. L. Gregg (Mrs.)	Research Assistant, Psychiatry and Preventive Medicine

Retirements

W. A. Byles	Technician, Department of Medicine, General
E. A. Andersen	Technician, Department of Medical Research

Promotions

O. H. Warwick	Vice-President (Health Sciences)(continues as Dean)
M. L. W. Hersey	Instructor (part-time), Department of Anaesthesia
F. W. Walker	Instructor (part-time), Department of Anaesthesia
P. P. Hauch	Lecturer (part-time), Department of Anatomy
F. Sergovich	Instructor (part-time), Department of Anatomy
I. B. Duncan	Clinical Associate Professor, Department of Bacteriology
P. Gatfield	Lecturer (part-time), Department of Biochemistry
W. C. Murray	Associate Professor, Department of Biochemistry
G. Saine-Marie	Associate Professor, Cancer Research Lab
J. G. Walker	Associate Professor, Cancer Research Lab
K. K. Carroll	Professor, Department of Medical Research

Promotions (Continued)

J. H. Beattie	Clinical Lecturer (part-time), Department of Medicine
W. W. Middleton	Clinical Lecturer (part-time), Department of Medicine
A. J. Watt	Clinical Lecturer (part-time), Department of Medicine
D. O. Manners	Instructor (part-time), Department of Obstetrics and Gynaecology
A. C. Wallace	Professor and Head, Department of Pathology
W. B. Barton	Associate Professor (part-time), Departments of Pathology, Chemistry and Medicine; Honorary Lecturer, Department of Therapeutic Radiology
J. T. Hamilton	Associate Professor, Department of Pharmacology
J. S. McKim	Clinical Lecturer, Department of Paediatrics
L. L. deVeber	Assistant Professor (part-time), Departments of Paediatrics and Pathological Chemistry

Appointments

M. J. Hollenberg	Assistant Professor, Department of Anatomy
E. L. Medzon	Assistant Professor, Department of Bacteriology and Immunology
R. B. Ziv (Mrs.)	Instructor, Department of Bacteriology and Immunology
R. J. Rossiter	Professor (continuing), Department of Biochemistry
R. A. Snyder	Associate Professor, Department of Biophysics

Appointments (Continued)

A. McCarter	Director and Professor, Cancer Research Lab
R. J. Rossiter	Honorary Lecturer (continuing), Department of Medical Research
M. S. Smout	Clinical Professor, Department of Pathology
P. G. Harding	Lecturer, Department of Obstetrics and Gynaecology
E. H. Colhoun	Associate Professor, Department of Pharmacology
R. B. Philip	Assistant Professor, Department of Pharmacology
G. J. Mogenson	Associate Professor, Department of Physiology
B. P. Squires	Assistant Professor, Department of Physiology

SCHOOL OF NURSINGLeaves-of-Absence

Shirley R. Good	Assistant Professor
Jacquelyn A. Peitchinis	Assistant Professor

Promotion

Louise S. Brown	Lecturer
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Appointment

E. E. Hartig	Lecturer
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SCHOOL OF BUSINESS ADMINISTRATIONLeaves-of-Absence

J. A. Humphrey	Lecturer
J. R. Kennedy	Lecturer
D. H. Thain	Professor

Promotions

P. Bishop	Lecturer
G. Forsyth	Lecturer
S. A. Martin	Associate Professor
P. Miller	Lecturer

Appointments

P. Biesiot	Assistant Professor
D. Burgoyne	Instructor
H. Crookell	Instructor
J. Fleck	Visiting Lecturer
D. ffolliott	Instructor
K. Loucks	Instructor
R. Love	Assistant Professor
E. Spence	Visiting Professor

FACULTY OF ENGINEERING SCIENCELeave-of-Absence

W. H. Peacock Lecturer

Promotions

A. G. Davenport Professor

A. Hartman Visiting Assistant Professor

Appointments

R. Clermont Assistant Professor

K. A. Shelstad Assistant Professor

R. K. Swartman Assistant Professor

FACULTY OF LAWAppointments

K. A. Hinnegan Assistant Professor

D. Prentice Assistant Professor

J. Rendall Assistant Professor

ALTHOUSE COLLEGE OF EDUCATIONAppointments

G. K. Greason Member of Committee on Advance Recommendations, Office of the Dean

K. English (Mrs.) Associate Professor, Department of Arts

Appointments (Continued)

G. R. Lambert	Professor, Department of Classics
E. E. Barnett (Mrs.)	Professor and Head, Commercial Department
H. J. Kaluza	Associate Professor, Commercial Department
J. E. Walsh	Assistant Professor, Commercial Department
M. R. Dow (Miss)	Associate Professor, Department of English
P. J. Linden	Assistant Professor, Department of English
E. R. Procunier	Associate Professor, Department of English
J. Smallbridge	Professor and Head, Department of English
R. S. Inch	Professor, Department of Geography and Geology
R. C. Langman	Professor and Head, Department of Geography and Geology
P. K. Schmidt	Associate Professor, Department of Guidance
J. Bowden	Professor, Department of History
D. M. Gray	Professor, Department of History
G. Milburn	Professor and Head, Department of History
D. G. Simpson	Assistant Professor, Department of History of Education
R. M. Stamp	Assistant Professor, Department of History of Education
J. D. Wilson	Assistant Professor, Department of History of Education
D. R. Campbell	Associate Professor, Department of Mathema- tics
A. W. Harris	Professor and Head, Department of Mathematics

Appointments (Continued)

G. B. Lawson	Professor, Department of Mathematics
M. Baldwin	Professor, Department of Modern Languages
J. A. Boyd	Associate Professor, Department of Modern Languages
W. E. Kieser	Professor and Head, Department of Modern Languages
D. Woodburn	Professor, Department of Music
R. E. Butts	Acting Head, Department of Philosophy
D. R. Burke	Assistant Professor, Department of Philosophy
B. Houston (Miss)	Lecturer, Department of Philosophy
V. A. Howard	Lecturer, Department of Philosophy
P. T. O'Leary	Lecturer, Department of Philosophy
P. L. Montgomery (Miss)	Assistant Professor, Department of Physical Education
W. Paterson	Professor, Department of Physical Education
N. W. West	Professor and Head, Department of Physical Education
F. Wigston (Miss)	Associate Professor and Head Women's Section, Department of Physical Education
R. Bass	Director, Department of Practice Teaching
M. J. Adler (Mrs.)	Assistant Professor, Department of Psychology and Sociology
F. B. Harper	Associate Professor, Department of Psychology and Sociology
J. G. McMurray	Professor and Head, Department of Psychology and Sociology

Appointments (Continued)

A. G. Slemon	Associate Professor, Department of Psychology and Sociology
G. F. Allison	Professor, Department of Professional Practice and Administration
E. M. Gordon (Miss)	Associate Professor, Department of School Librarianship
H. M. Lang	Professor, Department of Science
H. D. Webber	Professor, Department of Science
J. S. Wright	Professor and Head, Department of Science
F. Bain	Technical Education Specialist, Department of Technical Training and Occupations
H. W. Beatty	Professor and Head, Department of Technical Training and Occupations
K. Dagg	Technical Education Specialist, Department of Technical Training and Occupations
D. A. Kinchlea	Technical Education Specialist, Department of Technical Training and Occupations
G. Lane	Occupational Education Specialist, Department of Technical Training and Occupations
P. J. McKeon	Technical Education Specialist, Department of Technical Training and Occupations
E. Withington (Mrs.)	Occupational Education Specialist, Department of Technical Training and Occupations
Grace Porterfield	Associate Professor, Department of Home Economics

SUMMER SCHOOL AND EXTENSION DEPARTMENTLeave-of-Absence

Angela Armitt Associate Director

Promotion

Angela Armitt Director

Appointment

D. W. Harris Assistant Director

ADMINISTRATIVEAppointment Beyond Retirement Date

J. W. Rivett Foreman and Supervisor, Department of
Buildings and Grounds

Retirements

T. S. Brown Manager, Department of Food Services

E. Slatter Postmaster, Bookstore Supervisor,
Business Manager Athletics

APPENDIX B
REGISTRATION

REGISTRATION - WHOLE UNIVERSITY - 1965-66

	FULL-TIME		PART-TIME		TOTAL			
	Men	Women	Men	Women	Men	Women		
<u>FACULTY OF ARTS & SCIENCE</u>								
College of Science	869	222	13	4	882	226	1,108	
Middlesex College	776	598	4	8	780	606	1,386	
University College	749	713	31	22	780	735	1,515	
College of Music	44	68	2	1	46	69	115	
	<u>2,438</u>	<u>1,601</u>	<u>50</u>	<u>35</u>	<u>2,488</u>	<u>1,636</u>	<u>4,124</u>	
Correspondence			119	113	119	113		
Extension			712	564	712	564		
Summer School			<u>1,612</u>	<u>874</u>	<u>1,612</u>	<u>874</u>		
			<u>2,443</u>	<u>1,551</u>	<u>2,443</u>	<u>1,551</u>	3,994	
Duplicates			35	28	35	28	63	
			<u>2,408</u>	<u>1,523</u>	<u>2,408</u>	<u>1,523</u>	<u>3,931</u>	
<u>AFFILIATED COLLEGES</u>								
Huron College	301	209	4	4	305	213	518	
Brescia College	--	226	--	19	--	245	245	
College of Christ the King	188	--	21	36	209	36	245	
St. Peter's Seminary	46	--	2	--	48	--	48	
	<u>535</u>	<u>435</u>	<u>27</u>	<u>59</u>	<u>562</u>	<u>494</u>	<u>1,056</u>	
TOTALS	<u>2,973</u>	<u>2,036</u>	<u>2,485</u>	<u>1,617</u>	<u>5,458</u>	<u>3,653</u>	<u>9,111</u>	
<u>OTHER FACULTIES AND SCHOOLS</u> (Undergraduate)								
Business School	124	2	--	--	124	2	126	
Engineering Faculty	274	5	1	--	275	5	280	
Law Faculty	175	4	--	--	175	4	179	
Medical Faculty	212	33	2	--	214	33	247	
Nursing School	3	183	--	--	3	183	183	
UNDERGRADUATE TOTALS	<u>3,761</u>	<u>2,263</u>	<u>2,488</u>	<u>1,617</u>	<u>6,249</u>	<u>3,880</u>	<u>10,129</u>	
Althouse College of Education	105	77	--	2	105	79	184	
<u>FACULTY OF GRADUATE STUDIES</u>								
Humanities and Social Sciences	250	47	30	24	280	71	351	
Natural Sciences	180	24	13	--	193	24	217	
Business Administration	266	2	--	--	266	2	268	
Engineering Science	15	--	7	--	22	--	22	
Medical Sciences	53	11	2	--	55	11	66	
Nursing	--	9	--	--	--	9	9	
	<u>764</u>	<u>93</u>	<u>52</u>	<u>24</u>	<u>816</u>	<u>117</u>	<u>933</u>	
UNIVERSITY REGISTRATIONS	<u>4,630</u>	<u>2,433</u>	<u>2,540</u>	<u>1,643</u>	<u>7,170</u>	<u>4,076</u>	<u>11,246</u>	

The Overall net increase is 11.4%.

The proportion of men to women:	1965-66	63.8%	36.2%
	1964-65	65.3%	34.7%
	1963-64	65.16%	34.84%
	1962-63	66.52%	33.48%
	1960-61	68.09%	31.91%

ONTARIO SCHOLARS - 1965

<u>Name of Student</u>	<u>Home Address</u>	<u>Degree</u>	<u>Program</u>
Adams, Gordon T.	Windsor	B.S.	Law
Albright, Cecilia	Windsor	B.C.	Law
Alford, John A.	Windsor	B.C.	Law
Amos, G. Grant	London	B.A.	Law
Amos, Nancy E.	London	Home	Law
Anderson, Mary A.	London (H)	B.S.	Law
Antony, John W.	London	B.A.	Law
Auer, William A.	London	B.C.	Law
Burrows, William	London	B.A.	Law
Burns, Franklin S.	London	B.S.	Law
Burton, Mark A.	London	B.C.	Law
Burton, Donald A.	London	B.C.	Law
Burton, Henry W.	London	B.S.	Law
Burton, Roy W.	London	B.S.	Law
Burton, Larry W.	London	B.C.	Law
Burton, David W.	London	B.S.	Law
Cain, William A.	London	B.C.	Law
Calder, James	London	B.C.	Law
Callaway, James H.	London	B.C.	Law
Chapman, Mark	London	B.S.	Law
Chilton, William	London	B.S.	Law
Christoff, Keith	London	B.S.	Law
Clayton, John	London	B.S.	Law
Clayton, John A.	London	B.S.	Law
Cook, Hugh H.	London	B.C.	Law
Cook, David L.	London	B.S.	Law
Cook, Arthur S.	London	B.C.	Law
Cook, Barbara S.	London	B.S.	Law
Cook, Robert T.	London	B.S.	Law
Cook, Carol Ann	London	B.C.	Law
Cook, Harold W.	London	B.C.	Law
Cook, Doreen Lee	London	B.S.	Law
Cook, John G.	London	B.C.	Law
Cook, David E.	London	B.C.	Law

APPENDIX C

ONTARIO SCHOLARS - 1965

ONTARIO SCHOLARS - 1965

<u>Name of Student</u>	<u>Home Address</u>	<u>College</u>	<u>Programme</u>
Abeles, Evelyn J.	Brantford	M. C.	Two
Allingham, Carole	Weston	M. C.	Two
Allison, Jane E.	Windsor	M. C.	Two
Amyot, G. Grant	London	M. C.	Two
Arniel, Nancy I.	London	Huron	Two
Ashkanase, Wendy A.	Richmond Hill	C. S.	One
Bailey, John A.	Windsor	U. C.	Pre-Bus.
Baker, William E.	Chatham	M. C.	Two
Baryshnik, Sheldon	Sarnia	C. S.	One
Bass, Penelope S.	Windsor	U. C.	Two
Bedenham, Sheila A.	Comber	M. C.	Two
Breman, Corinne E.	London	M. C.	Two
Bowman, Philip W.	London	C. S.	One
Bridges, Judy L.	St. Thomas	U. C.	Two
Brohman, Larry W.	West Montrose	M. C.	Two
Brown, David R.	London	Eng.	Eng. Sc.
Cade, Marilyn A.	Islington	M. C.	Two
Campbell, Sandra	London	M. C.	Two
Carruthers, Laura A.	West Lorne	M. C.	Two
Chapman, Mark	Burlington	C. S.	One
Colthart, Carol A.	Willowdale	C. S.	One
Coroedoff, Laila	London	M. C.	Two
Cottrell, Robert	Port Hope	M. C.	Two
Couckuyt, Jack A.	Aylmer	U. C.	Two
Cowan, Hugh B.	Port Arthur	M. C.	Two
Crowder, Diana L.	Brantford	H. C.	Two
Cuttiford, Evelyn E.	London	U. C.	Two
Davis, Barbara E.	Welland	M. C.	Two
Day, Robert T.	St. Thomas	C. S.	One
Dempsey, Carol Ruth	Oshawa	U. C.	Two
Edwards, Dorothy L.	Chatham	M. C.	Two
Esseltine, Dixie-Lee	Tillsonburg	C. S.	One
Finkbeiner, Judith L.	Crediton	M. C.	Two
Fisher, Nancy E.	Chatham	M. C.	Two

<u>Name of Student</u>	<u>Home Address</u>	<u>College</u>	<u>Programme</u>
Friedman, Nathan	London	C. S.	One
Gallop, Heather C.	Port Credit	U. C.	Two
Gardiner, Mary D.	Rexdale	U. C.	Two
Gatrall, James R.	Windsor	C. S.	One
Geddes, John A.	London	C. S.	One
Gee, Sheila L. A.	London	U. C.	Two
Genesee, Fred H.	Burlington	U. C.	Two
George, Nancy C.	Waterloo	M. C.	Two
Gillman, Graham J.	Willowdale	C. S.	One
Girvan, Judith Karen	London	M. C.	Two
Gornall, Janel L.	Clinton	U. C.	Two
Groskorth, Lynne C.	Parry Sound	M. C.	Two
Gunn, Linda J.	Brampton	U. C.	Two
Harper, Kathleen M.	London	C. S.	One
Heagy, William K.	London	C. S.	One
Heinicke, Elisabeth	Oakville	M. C.	Two
Henderson, Susan E.	London	U. C.	Two
Hewson, Barbara E. K.	Brantford	H. C.	Two
Heyes, Robert H.	Windsor	C. S.	One
Hoag, Roger Howard	Peterborough	C. S.	One
Holmes, Paul D.	London	C. S.	One
Houston, James D.	London	C. S.	One
Hudson, Jillian J.	London	C. S.	Pre-Nurs.
Humphrey, Jean L.	Aylmer	C. S.	One
Jones, Barbara L.	Ancaster	U. C.	Two
Kellam, Bruce B.	Brantford	U. C.	Two
Kells, Kathleen E.	London	U. C.	Two
Kennedy, Brian P.	Ingersoll	C. S.	One
Kok, Robert	London	Eng.	Eng. Sc.
Kunau, Eva A.	Windsor	C. S.	One
Lauge, Sarma	Islington	U. C.	Two
Leach, Alan J.	Toronto	C. S.	One
Lindsay, Linda J.	Mono Road	C. S.	One
Little, David B.	Sarnia	M. C.	Two
Logan, Jeanette E.	Parry Sound	C. S.	One
Lyons, Elizabeth M.	Mackham	M. C.	Two
McDougall, Lindsay M.	London	M. C.	Two
McFadden, Mary C.	Kitchener	M. C.	Two
McGavin, Mary E.	Tecumseh	M. C.	Two
McIntosh, Janet L.	Ottawa	U. C.	Two
McKillop, Louise M.	Oakville	M. C.	Two
McLeavey, Dennis W.	Sarnia	U. C.	Two
Main, Heather L.	Dundas	U. C.	Two

<u>Name of Student</u>	<u>Home Address</u>	<u>College</u>	<u>Programme</u>
Markham, Larry D.	Woodstock	C. S.	One
Mennie, Valerie	Stratford	M. C.	Two
Mitchell, Mary Ellen	Ingersoll	U. C.	Two
Moore, George A.	Waterloo	U. C.	Two
Myles, Barbara E.	Pointe au Baul	U. C.	Two
Noble, Lorna M. G.	London	U. C.	Two
Osachuk, Jacqueline P.	Cottam	U. C.	Two
Outtrim, Patricia J.	Scarborough	M. C.	Two
Peachey, David K.	London	C. S.	One
Pickles, Mary L.	London	C. S.	One
Pollock, Joanne A.	Parkhill	M. C.	Two
Potter, Janice C.	Etobicoke	H. C.	Two
Puhacz, Murray T.	Princeton	Eng.	Eng. Sc.
Purdy, Caroline Louise	Port Arthur	C. S.	Pre-Nurs.
Reain, James P.	Cookstown	U. C.	Two
Reid, Christine A.	Willowdale	U. C.	Two
Richardson, Mark A.	Sault Ste. Marie	C. S.	One
Rose, Donald Keith	London	C. S.	One
Rossiter, James Randell	London	C. S.	One
Roundine, Marie C.	Islington	M. C.	Two
Rowland, Carolyn R.	London	U. C.	Two
Sass, Patricia I.	Chatham	C. M.	Music
Slipacoff, Daniel	Sarnia	C. S.	One
Smith, Sandra J.	London	U. C.	Two
Sugerman, Albert B.	London	C. S.	One
Sutton, Carol A. L.	London	M. C.	Two
Suzuki, Barbara A. F.	London	U. C.	Two
Swartzen Sandra Lee	Ottawa	C. S.	One
Sweetlove, James A.	Galt	M. C.	Two
Ternmer, Helene	Langton	U. C.	Two
Thornton, Daviel B.	Montreal	C. S.	One
Todesco, Agnese M.	Port Arthur	H. C.	Two
Treehuba, Kathryn E.	London	C. S.	Pre-Nurs.
Tyndall, Patricia J.	Timmins	C. S.	Pre-Nurs.
Vigna, Roxine M.	Sault Ste. Marie	M. C.	Two
Vince, Kenneth N.	Waterford	U. C.	Two
Walker, Kathrine	Rexdale	H. C.	Two
Weaver, Joseph K.	Dresden	C. S.	One
Webster, Peter S.	London	C. S.	One
Weekes, Shelley P.	London	C. S.	One
White, Linda J.	Windsor	U. C.	Two
Willis, Stephen C.	London	C. M.	Music
Woods, Pamela D. A.	Ottawa	U. C.	Two
Zorzitto, Maria	Windsor	C. S.	One

SUMMARY

		<u>1965</u>	<u>1964</u>
Brescia College		--	3
College of Christ the King		--	1
Huron College		6	3
College of Music		2	--
Faculty of Engineering		3	4
College of Science		41	--
Prog. I	37		
B.Sc.N.	4		
University College		34	58
Prog. II	33		
Pre-Bus.	1		
Middlesex College		35	34
Prog. II	35	—	—
		121	103
Ratio: Men		44	43
Women		77	60

THE DEANS' HONOURS LIST, JUNE 1966

The following 100-1999 students received their Dean's Honours during the year 1965-1966. The names are listed in alphabetical order of their last names.

THE FACULTY OF BUSINESS ADMINISTRATION

Commerce

Craig, Bruce Douglas	McDonnell, Joseph William
Dawson, John Robert	Quinn, James Henry
Dawson, Peter John	Roberts, David Robert
Ferguson, James Douglas	Scott, John Robert
Hill, Catherine Anne	Stewart, John Robert
Macdonald, John	

APPENDIX D

THE DEANS' HONOURS LIST, JUNE 1966

Faculty of Arts

Allen, David William	McDonald, James Douglas
Baker, Margaret Louise	Quinn, James Henry
James, Mary Elizabeth	Roberts, David Robert
Johnson, George E.	Scott, John Robert
Kerridge, James Charles	Stewart, John Robert
Macdonald, John	
Macdonald, John	

Faculty of Education

Allen, David William	McDonald, James Douglas
Baker, Margaret Louise	Quinn, James Henry
James, Mary Elizabeth	Roberts, David Robert
Johnson, George E.	Scott, John Robert
Kerridge, James Charles	Stewart, John Robert
Macdonald, John	
Macdonald, John	

THE DEANS' HONOURS LIST, JUNE 1966

The following full-time students obtained first class honours standing this year on their work toward a first degree in each Faculty.

Note: *indicates an average of at least 85%.

THE FACULTY OF ARTS AND SCIENCE

Brescia College

Craig, Hilary Margaret	O'Connell, Joyce Helen
Denomy, Sister St. Laurence	Quilty, Diane Marie
Diesbourg, Sister Mary Mercy	Santone, Paula Louise
Falzetta, Concetta Connie M.	Strickland, Carol Ann
Hall, Catherine Irene	Turton, Sister Mary Ann
Hendriks, Sister Clasina	Wilson, Hope V.

Huron College

Beggs, Donald William	MacDonald, James Stuart A.
Boulet, Margaret Jessie	Omnet, Peter Duncan
Duncan, Mary Elizabeth	Pattison, John Charles
Gartrell, George E.	Potter, Janice Christine
Harvey, Robert Charles	Smith, Michael John
Holmes, James P.	Todesco, Agnese Marie
Hutcheson, Elaine Margaret	

King's College

Arts, John James Joseph	Fournier, Robert N.
Black, Alexander Ryan	LaFrance, Thomas Martin
Buckley, Dennis Charles	McCarthy, Gary Charles
Clark, Bernard Austin	Noel, Leon Paul
Cummings, James D.	Peters, Frederic Hugh
Dore, Allan James	Webb, Paul L. C.
Fitzpatrick, Michael J.	

St. Peter's Seminary

Armstrong, Robert Joseph
 Donohue, Patrick James
 Hughes, Michael Joseph

Ruypers, John Francis G.
 Weiler, John Joseph A.

College of Music

Adams, Linda Frosst
 Harper, Janet Maxine
 Saurbrei, Patricia Margaret
 Saunders, Carol Frances

Willis, Stephen Charles
 Woodall, Margaret Eleanor
 Wright, Thomas Robert

College of Science

Allan, Thomas L.
 Atkinson, Douglas P.
 Baryshnik, Sheldon
 Bauman, Wayne
 Beath, Robert Lorne
 Beddall, Peter Michael
 Bellows, Donald
 Bergen, Harry John
 Bignell, Richard C.
 Bloomfield, Brian Gordon
 Bradley, John Stephen
 Brouwer, Henry
 Brown, Gerald
 Butler, Paul C.
 Callaghan, Olaf J.
 Cameron, Douglas Ian
 Cardiff, Garry
 Carey, Leonard R.
 Carruthers, Danny Evan
 Chant, Karen Elaine
 Chapman, Rosemary
 Clark, William Foster
 Clysdale, Marilyn Beatrice
 Cobban, Robert Marley
 Cochrane, William A.H.
 Conn, George Wallace
 Couckuyt, Andy Edmond
 Cox, John Osborne

Crackower, Sydney Harold B.
 Crook, Robert Wayne
 Cumming, Doreen Anne
 Cutbush, Wesley Shier
 Donnelly, Keith E.
 Driedger, Harry John
 Dreimanis, Aija
 Dunn, Robert L.
 Dzioba, Robert
 Esseltine, Dixie Lee Winfred
 Fallona, Sheila A.
 Flanagan, Patrick Francis
 Freidman, Nathan
 Gair, Graeme Alexander
 Gannon, Michael John
 Gatrall, James Rolf
 Girard, Wayne Joseph
 Hanson, Grant James
 Harper, Kathleen Mary
 Heagy, William Kenneth
 Heinrich, Werner F.
 Hendershot, Margaret H.
 Hennessy, Donna Doreen
 Hewitt, Gerald
 Heyes, Robert Harry
 Hicks, James Cecil
 Hierlihy, Ralph D.
 Hoag, Roger Howard

Houston, James Douglas
 Hudson, Jillian Jane
 Humphrey, Donald Richard
 Humphrey, Jean Lillian
 Hunsberger, Donald E.
 Jaaku, Andress
 Jackson, Stuart Michael
 Johnson, Ian Mayhew
 Keast, David Howard
 Kennedy, Brian Paul
 Kersey, Donna Margaret
 Kreek, Holger
 Krepp, Juho Joe
 Kunau, Eva A. Heidi
 Kushner, Arthur Michael
 Kussner, Detlev Mike
 LaFontaine, Dennis Patrick
 Lanktree, Bruce Burton
 Leius, Viiu Katri
 Lind, John Robert
 Lindsey, Linda Jean
 MacArthur, Allan Rae
 McBain, Constance Marilyn
 McClelland, Gary
 McClure, Sheila M.
 McCord, Thomas A.
 McCormick, Robin Brian
 *McFarland, Ernest Leslie
 McKeen, John Herbert Ross
 McManus, Robert Wayne
 Makosky, Lyle Murray
 Margesson, Lynette
 *Markham, Larry Derwood
 Meaden, Ruth Anne
 Melnyk, Theodor W.
 Michna, Stephen John
 Mickle, Robert Ernest
 Miller, Grace Alda
 Milley, Paul Stanley
 Mitchell, David Callin
 Mitchell, John E.
 Moore, Judith E.
 Morgan, Marilyn Jean
 Mortimer, Richard Donald
 Munn, Arthur Alexander
 Neave, Kendal G.
 Newell, Gerald Hall
 Nichol, Peter M.
 Norrie, Selma W.
 Nussey, Diane Marie
 Olde, Nancy Louise
 Page, Robert John
 Parry, Park William
 Pearl, Stephen Richard
 Perrie, Donald J.
 Purdey, Caroline Louise
 Ralph, Edward D.
 *Rathbun, Flora J.
 Reason, David Ward
 Reath, James A.
 Reid, Alison J.
 Richardson, Mark A.
 Rose, Donald Keith
 Ross, Malcolm S. C.
 Rossiter, James Randell
 Rothwell, Gregory J.
 Sarjeant, Walter J.
 Schulze, Anthony J.
 Scott, David Thomas
 Shaw, Francis George
 Sholdice, John Abbott
 Sibbald, William John
 Simmons, Michael Elliot
 Simpson, Judith D.
 Smet, Eddy F. M.
 Southcott, Frederick Robert
 Taylor, David Clifton
 Thompson, John C.
 Thornton, David Blyth
 Tiegs, Richard George
 Traviss, Brian Scott
 Tull, Charles E.
 Usselman, Melvyn Charles
 Vanderkooy, John
 Vandermeer, John P.
 Verdun, David Leroy
 Wachsmuth, Jane M.
 Walker, James David Allan
 Walker Rosemary Lorna
 Wall, William John Patrick

Waters, David Douglas
 Waugh, Rachel Roppel
 Weaver, Joseph Kenneth
 Webb, Warren Gardiner
 Webster, Peter Stuart
 Weekes, Shelley Patricia
 Wexler, Howard R.

Whiting, Celia Ann
 Wieczorek, Gudrun Ilse
 Wilson, Hilton Lawrence
 Wong, Norman Richard
 *Zuliani, Preston Alain
 Zwanzig, Herman Volker

Middlesex College

*Amyot, George Grant
 Arnold, Brian James
 Begg, Donald James Ian
 Bieman, Corinne Elizabeth
 Blackwood, Robert George
 Boersema, John M. Jacob
 Brohman, Larry William G.
 Burke, Stephanie Grace H.
 Bumstead, Allan Ross
 Bushell, George Edbert
 Campbell, Archibald Douglas
 Campbell, Sandra Mary
 Carsen, Candace Lee
 Clarke, Stephen Wesley
 *Clouston, John Samuel
 Cottrell, Robert Douglas
 Cummings, Robert F.
 Davis, Barbara Elaine
 Dennis, Peter Harold
 Dynes, Donna Jean
 Elgie, Kathleen Anne
 Farquhar, Gail Diane
 Fisher, Nancy Eileen
 French, James M. L.
 Garland, David Alfred
 Gathercole, Lynn Elaine
 Gill, Sherrill J.
 Goodman, Gary Edric
 Gorman, Sandra E.
 Grube, Regina Ilse
 Hamilton, Bonnie Joyce
 Hedley, Harriet Emmeline
 Higgs, Bryon C.
 Hoogkamp, Grace

Hopkinson, Marvin W.
 Jarrett, Robert Fredrick S.
 Jenvay, Susan
 Keith, David Murdoch
 Laidlaw, Linda Diane
 Laidlaw, Patricia E.
 Leidal, Lawrence
 Liddle, Rosemary Ann
 Little, Bruce David
 Lockington, William S.
 Loncke, John A.
 Lumsden, Lynda Marlene
 Lyons, Elizabeth Mary
 McCutcheon, Richard P.
 McKenzie, Kenneth Malcolm
 McNichol, Linda Mary
 Maginnis, Brian James
 Mansell, Sandra Elizabeth
 Maybee, Carol L.
 Meadows, Gary Arthur
 Melus, Mary H.
 Mudge, Graham Finlay
 Nightingale, Donald V.
 Oatley, Roger Grahame
 Oke, Michael James
 Outtrim, Patricia Joyce
 Pearce, Michael Richard
 Preston, Robert Douglas
 Pollock, Joanne A.
 Price, Nancy Elaine
 Pritchard, Patricia Kathleen
 Randall, Stephen James
 Reiche, Edwin Guenther
 Reynolds, David Murray

Richardson, Thomas Alan
 Richmond, Ian McKenzie
 Robertson, Elizabeth M.
 Sheldrick, Catherine Louise
 Shier, Ronald Adair
 Skene, Patricia A.
 Skippon, Paula Clare
 Smith, Barbara Jean
 Smith, John Richard
 Stevens, Robert Carson
 Stirling, Anne Louise
 Stuckey, Edward Robert
 Sweetlove, James Allen
 Sword, Stephen Douglas
 Thiel, Cherry Lynn

Thompson, Barbara W.
 Thomsen, Barbara Ann
 Thorpe, John David
 Vallely, John Francis
 Vandenheuvel, Kees J.
 Verstraete, Bert C.
 Voyna, Shirley M.
 Ware, Sandra Victoria
 Weppler, James E.
 Wilkinson, Lois Bernice
 Wilson, Lois Mildred
 Winkler, Ursula Helga
 Yake, Elizabeth E. M.
 Zembala, Donna
 Zimmer, Martin Theodor

University College

Adams, John Byron
 Anderson, Elizabeth J. B.
 Babe, Robert E.
 Benedict, Ruth
 Blackshaw, Sharon F.
 Blackwell, Paul R.
 Bostwick, Wilda B.
 Braaten, Peter A.
 Bright, Ann K.
 Brown, Evelyn E.
 Brown, Sheila Helen
 Buckolz, Eric E.
 Burrows, Elsie E.
 Campbell, Jon Michael
 Caplan, John G.
 Cheyne, Emily A.
 Childs, Rosemary A.
 Christie, Janice I.
 Clarke, Harold D.
 Clarke, Margaret J.
 Collins, Paul V.
 Connolly, Monica A.
 Crenna, Charles D.
 Davies, Gordon W.
 Deluca, Dorothy M.
 Dempsey, Carol R.

Dinkin, Merwin
 Disher, Diane Marie
 Disher, Donna Mae
 Eade, Sandra Kay
 Erickson, Lawrence R.
 Farkas, Lorraine J.
 Farmer, Frances V.
 Ferguson, Anne Marie
 Funston, Gail M.
 Gafur, Yusuff M.
 Galbraith, Janet Ruth
 Gauld, Christine M.
 Gillespie, Margaret E.
 Glover, George C.
 Godfrey, Michael D.
 Gornall, Janet L.
 Gratton, Patricia E.
 Greenwood, Linda Gail
 Gunn, Linda J.
 Gyorok, Leslie
 Harrington, Judith A.
 Henderson, Sheila J.
 Henning, Elizabeth M.
 Hickman, Patricia A.
 Hopper, Christopher K.
 Jarvis, Elizabeth A.

Johns, Frances R.
 Jones, Barbara L.
 Kells, Kathleen E.
 Kettles, Mary J.
 Kopman, Lawrence H.
 Kosche, Ludwig
 Lauge, Sarma
 Leal, Nancy J.
 Lindstrom, Marlene M.
 Lumsden, Croft
 Lyon, Sally B.
 McIntosh, Janet L.
 McLeavey, Dennis W.
 Mantz, Brenda L.
 Mennill, Paul D.
 Mock, Dennis R.
 Moore, George A.
 Musgrove, George A.
 Mustard, Shirley H.
 Nabben, John H.
 Osachuk, Jacqueline P.
 Overduin, Hendrik
 Palmer, Ulle-Reet
 Perry, Edwin M.
 Pigott, Hyacinth V.
 Pretti, John Anthony
 Reain, James P.

Reed, Elizabeth A.
 Reid, Christine A.
 Richardson, Jean A.
 Riddle, Robert G.
 Roberts, Judith A.
 Robinson, Nancy A.
 Ross, Shirley A.
 Ruttle, Rhoda A.
 Schlegel, Ronald P.
 Schwitan, Katharina
 Sinclair, Joseph O.
 Smythe, Padric C.
 Snyder, Hugh W.
 Spiers, Thomas C.
 Stock, Robert F.
 Suzuki, Barbara A.
 Temmer, Helene A.
 Tomczyk, Charlotte A. T.
 Tough, Jeanine W.
 *Van Hemert, Ann Y.
 Veenstra, Jacob
 Watson, Nigel P.
 Weatherall, Diane E.
 Weese, Robert D.
 White, Stephanie L.
 Willan, Kenneth L.

School of Business Administration

Brooks-Hill, Frederick J.
 Diamond, Julius N.

Laiken, Stanley N.
 Usatis, James M.

FACULTY OF ENGINEERING SCIENCE

Bates, Paul V.
 Beattie, Jay Earle
 Bedell, Philip R.
 Behie, Leo A., Jr.
 Brayford, William Barrie
 Brown, David Robert
 Burgess, Kenneth Irwin

Butler, Richard C.
 Coultes, Murray Edward
 *Dilkes, Frederick Gordon
 Doerr, Leonard Allan
 Gee, Richard Douglas
 Greason, William Duncan
 Harvey, Kenneth Paul

Jeffery, Larry Michael	Puhacz, Murray Thomas
Johnson, Wayne Douglas	Robertson, John George A.
*Kempling, John Christopher	Sich, Martin
Kok, Robert	Sharples, Brian Philip M.
MacIver, John Thomas	*Shill, Ronald Herbert
MacLeish, Peter Raymond	Smith, Donald Leslie
Mills, Paul Edmund	Terry, Richard Ross M.
Nelson, Wayne Alexander	Thede, John Michael
Nurse, Colin Arlington	Topping, Douglas Reginald
Ola, Samuel Akinlabi	Warren, Jack W.
Osman, Ramli Bin	Whitehouse, Jeffrey David
Parish, Hugh W.	

FACULTY OF LAW

Adams, Stephen N.	Israel, Robert John
Askew, Carolyn Judith	Jenkins, Wilfred Donald
Bean, D. Michael B.	Johnson, Allan M.
Bellamy, Peter C.	Kent, James Chowen
Butcher, Edward Thomas R.	Plumpton, Jack Edward
Cameron, Stephen R.	Radigan, Brian John
Deacon, G. Michael	Shannon, John D. E.
Dickie, Ronald Wayne	Varey, Darryl Lloyd
Hamilton, William C.	Walden, J. Philip
Irwin, Thomas Bryan	Wright, Lawrence A.

FACULTY OF MEDICINE

Boughner, Barbara Dianne	Grieser, Gerhard M.
Bradley, Douglas Leslie	Henry, David George
Brandes, Lorne Jay	Hobbs, Barry Brandon
Brooke, Priscilla Heather	Holliday, Ronald Leonard
Clark, David Alexander	Jackson, William Bruce
Colcleugh, Robert Gordon	Knill, Richard Lyall
Craig, David Clark	Law, Peter James
DeJonge, Christina	Lehtinen, David Edward
Devlin, Margaret Corinne	Merritt, Richardson Davidson
Douglas, Bruce George	Moore, Stephen Blair
Edmonds, Merrill Walter	Nash, Wesley A.
Gamble, James Brian	Orton, Robert Bernard
Green, Peter Calder	Pattison, Frederick L. M.

Rogers, Meredith Ann	Snider, Sandra Jean
Ross, Hyman	Stewart, Sarah Ann
Scheifele, David Walton	Throne, Martin Lewis
Sharpe, James Arthur	Watts, Harold Ross
Smith, Phyllis Jane	Wigle, Donald Theodore
Smith, Susan Elizabeth	Wither, Glen Stuart

SUMMARY
(including Graduates)

	<u>1965-66</u>	
	<u>Men</u>	<u>Women</u>
Brescia College	-	12
Huron College	8	5
King's College	13	-
St. Peter's Seminary	5	-
College of Music	2	5
College of Science	125	34
Middlesex College	52	46
University College	44	61
Business	4	-
Engineering	37	-
Law	19	1
Medicine	<u>29</u>	<u>9</u>
TOTALS	<u>338</u>	<u>173</u>

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AND GRADUATE STUDENTS

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COLLEGE OF MUSIC

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ALTHOUSE COLLEGE OF EDUCATION

Department of Commerce

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Department of History

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Department of Modern Languages

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Department of Physical Education

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Department of Psychology

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SCHEDULE OF RESEARCH FUNDS
FOR THE YEAR ENDED JUNE 30, 1966

UNIVERSITY OF MICHIGAN

Name of Fund	Faculty Member	Department
Society of Fellows	A. H. Love	Sociology
Society of Fellows	W. F. Floyd	Psychology
Administration for All of Colored Children		
J. B. Howell Education		
Career Research Fund		
Dr. J. B. Collins Trust Fund		
John Collins Collins Memorial Fund		
George Gandy		
Violet Gandy Carrington Research Fund		
Dan Gandy Fund for Research		

APPENDIX F

SCHEDULE OF RESEARCH FUNDS

FOR THE YEAR ENDED JUNE 30, 1966

SCHEDULE OF RESEARCH FUNDS
FOR THE YEAR ENDED JUNE 30, 1966

FACULTY OF MEDICINE

<u>Name of Grantor</u>	<u>Name of 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 neuropsychia- tric disorders in childhood
J. P. Bickell Foundation	C. W. Gowdey	Central effects of clinically- used muscle relaxants
Cancer Research Fund	O. H. Warwick	Cancer Research
Dr. J. B. Collip Trust Fund	K. K. Carroll	Medical Research
Jane Coffin Childs Memorial Fund	K. Hoshino	Cancer Research
Canada Council	R. I. Duncan	Special Fellowship Expense
Violet Coulter Cardiovascular Research Fund	G. W. Manning	Cardiovascular Research
Can. Cystic Fibro- sis Foundation	G. H. Valentine	Cystic Fibrosis Research

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Canada Council	R. I. Duncan	Fellowship
Ont. Cancer Treatment and Research Foundation	E. R. Plunkett & K. K. Carroll	Clinical and laboratory study of tumors influenced by variation in their steroid hormonal environment
Ont. Cancer Treatment and Research Foundation	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
National Cancer Institute	R. C. Buck	The ultra structure of tumour cells
National Cancer Institute	R. J. Rossiter	Cancer Research
National Cancer Institute	V. Donish	Fellowship
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	J. Purko	Fellowship
National Cancer Institute	H. B. Stewart	Cancer Research
National Cancer Institute	C. H. Cormack	Fellowship
National Cancer Institute	A. C. Wallace	Cancer Research

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description</u>
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
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
Defence Research Board	I. G. Walter	Sulphydrul compounds and protection against radiomimetic alkylating agents
Sarah Duncan Estate	G. W. Manning	Cardiovascular Research
Medical Research Council	R. G. E. Murray	Equipment Grant
Medical Research Council	R. G. E. Murray	Equipment Grant
Medical Research Council	K. P. Strickland	Equipment Grant
Medical Research Council	R. G. E. Murray	Equipment Grant
Medical Research Council	C. C. Bigelow	Equipment Grant

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Medical Research Council	R. G. E. Murray	Equipment Grant
Medical Research Council	R. C. Buck	Equipment Grant
Medical Research Council	J. J. Seguin	Equipment Grant
R. W. Frost, Esq.	G. E. Hall	Medical Research
Medical Research Council	D. Bocking	Medical Research Fellowships
Anna Fuller Fund	K. Hoshino	Cancer Research
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	Bruce A. Gordon	Medical Research Associate-ship
Medical Research Council	J. K. Ball	Medical Research Associate-ship
Medical Research Council	P. G. R. Harding	Medical Research Associate-ship
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>Name of Grantee</u>	<u>Description of Project</u>
Dept. of National Health & Welfare	G. E. Hobbs	Educational Grant
Dept. of National Health & Welfare	J. A. F. Stevenson	Investigation of Perinatal Physiology and mortality
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	G. E. Hobbs	Post-Graduate Training in Psychiatry
Dept. of National Health & Welfare	J. C. Rathbun	Fluorescent Antibody Techniques
Dept. of National Health & Welfare	I. B. R. Duncan	Biological Properties of ECHO Type 30 Virus
Dept. of National Health & Welfare	J. C. Rathbun	Fluorescent Antibody Techniques
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
Ontario Heart Foundation	L. Reese and S. E. Carroll	Cardiovascular Research
Dept. of National Health & Welfare	D. Bocking	Graduate Studies
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>Name of 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	G. A. Sears	Cardiovascular Research
Ontario Heart Foundation	J. M. Allcock	Cardiovascular Research
Ontario Heart Foundation	F. S. Brien	Medical Research Fellowship
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-ship
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 and W. I. Clarke	O. H. Warwick	Medical Research Fellowship

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Joseph P. Kennedy Jr. Fdn.	M. L. Barr	Mental Retardation
Lady Jean Lister Kay	F. S. Brien	Medical Research
Can. Life Insurance Officers Association	J. C. Rathbun	Fellowship - G. G. Hinton
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 Company	O. H. Warwick	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	Department 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	O. H. Warwick	Cardiovascular Research
The Muscular Dystrophy Ass'n. of Canada	K. P. Strickland	Morphological and Chemical changes in Myasthenia Gravis and Myasthenia-like conditions
The Muscular Dystrophy Ass'n. of Canada	J. J. Seguin	Studies of the excitability and contractibility of the decentralized neuromuscular system

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
The Muscular Dys- trophy Ass'n. of Canada	R. J. Rossiter	Metabolism of Myelin
Wm. S. Merrill Company	C. W. Gowdey	The Investigation of a new compound for suppression of Lactation
Dr. A. D. McLachlin	T. McLarty	Fellowship re Research
Dr. A. D. McLachlin	J. J. Laird	Fellowship re Research
Ontario Mental Health Foundation	W. C. McMurray	Investigations of Metabolic Disorders in Mentally Retarded Children
Ontario Mental Health Foundation	G. E. Hobbs	A prospective study of the factors influencing the out- come of Schizophrenia
Ontario Mental Health Foundation	G. H. Valentine & Carol Buck	A study of microsymptoms and of chromosomal pat- terns in parents of sibs of mongols
Ontario Mental Health Foundation	C. W. Gowdey	Factors influencing the con- sumption of drugs which de- press the central nervous system
Ontario Mental Health Foundation	G. E. Hobbs	Senior Psychiatrist
Medical Research Council	D. Bocking	For the support of Medical Research
Medical Research Council	D. Bocking	Summer Scholarships
Medical Research Council	A. von Hochstetter	Connective tissue, its func- tional structure and changes due to age

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Medical Research Council	P. C. Fitz-James	Macromolecular synthesis in bacteria
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 Listeria Monocytogenes
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 neuroendocrine 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>Name of 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	C. W. Gowdey	Studies with alpha-glyceryl ethers
Medical Research Council	W. C. McMurray	Biochemical investigations 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 relation to development
National Research Council	C. C. Bigelow	The physical chemistry of proteins
Medical Research Council	E. H. Colhoun	Grant-in-Aid - M. R. C. Fellowship

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Medical Research Council	E. L. Medzon	Vaccinia virus-L cell interaction
Medical Research Council	M. J. Hollenberg	Fine structure and function of capillaries supplying the retina in normal and diabetic animals
Medical Research Council	C. C. Bigelow	Protein denaturation
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
Medical Research Council	B. P. Squires	The regulation of pituitary and other polypeptide hormone secretion in animals and men

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Medical Research Council	P. G. Harding	Fat Metabolism in the fetus
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	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 and biological significance of biogenic amines
Medical Research Council	F. J. Routhwaite	Electroneurophysiological aspects of Audition and their application in the measurement of hearing in the retarded child
Sundry Donors	J. A. F. Stevenson	Miscellaneous Research in Physiology
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
Ortho Pharmaceutical Ltd.	R. A. H. Kinch	To investigate the possible hypertensive effect of progestational studies

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Richard Ivey Foundation	C. G. Drake	Hyperbaric Unit
Ortho Pharmaceu- tical Ltd.	C. W. Gowdey	Summer Medical Student Fellowship
Richard Ivey Foundation	F. J. Routhwaite	Hearing Testing Equipment
Searle Company	M. L. Robinson	Substitution Therapy in Meno- pause
Smith, Kline & French Laboratories	C. W. Gowdey	Studies on the common cold
Estate of the late Col. J. E. Smallman	A. D. McLachlin	J. E. Smallman Urological Research
Oxford County Tuberculosis Ass'n.	N. M. Lefcoe	Tuberculosis Research
Ontario Tuber- culosis Ass'n.	N. M. Lefcoe	Tuberculosis Research
Can. Tuberculosis Ass'n.	J. H. Toogood	Tuberculosis Research
Can. Fdn. for Ad- vancement of Therapeutics	C. W. Gowdey	Research on Advancement of Therapeutics
Ontario Tuber- culosis Ass'n.	A. Bakerspiegel	Tuberculosis Research
Upjohn Co. of Canada	R. A. H. Kinch	Obstetrical Research
John Wyeth & Bro. (Canada) Limited	O. H. Warwick	Medical Research Special
The Henry Wolf Memorial Fund	G. W. Manning	Cardiovascular Research
Will Pharmaceuti- cal Company	C. W. Gowdey	Research in Pharmacology

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Warner Lambert Company	E. R. Plunkett	Obstetrical Research
Medical Research Council		Consolidated Advance Account

FACULTY OF ARTS AND SCIENCE

American Chemi- cal Society	P. de Mayo	Chemical Research
Department of Agriculture - Canada	A. W. A. Brown	Genetics of insecticide resis- tance in insects of agricul- tural importance
American Chemi- cal Society	J. B. Stothers	Organic applications of Nuclear Magnetic Reson- ance Spectroscopy
American Chemi- cal 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 ger- manium tin and lead
Arctic Institute of North America	K. L. MacInnes	Study of growth, reproduction, seed production, distribution and germination in <i>Pediculo-</i> <i>sis</i> species
Arctic Institute of North America	R. F. Mereu	"Early Rise" project
Alcoholism & Drug Addiction Research Foundation	D. N. Jackson	Behavioural Studies in Alcoholism

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
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
Can. Uranium Research Fdn.	D. C. Bradley	Research on uranium catalysts for the stereospecific polymerization of olefins
Canada Packers Ltd.	P. de Mayo	Chemical Research
Imperial Oil Ltd.	A. E. Scott	Chemical Research
Imperial Oil Ltd.	P. de Mayo	Chemical Research
Canada Council	H. C. Palmer	Special Fellowship
Canada Council	H. W. Taylor	Changing Patterns in the Economic Geography of South-eastern Brazil
Canada Council	J. Kantner	Seminar on Population and Urban Studies
Canada Council	C. F. J. Whebell	Hypothesis relating settlement patterns with corridors and local government boundaries
Defence Research Board	R. W. Nicholls	To investigate the properties of plasmas
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 membranes
Defence Research Board	A. W. A. Brown	Factors in attractiveness of objects to adult <i>Aedes Aegypti</i>

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
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
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
Dow Chemical of Canada Ltd.	P. de Mayo	Chemical Research
Dupont of Canada Ltd.	A. E. Scott	Chemical Research
Dow Chemical of Canada Ltd.	A. W. A. Brown	Resistance hazard of Dursban for Mosquitoes

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Essex-Kent Regional Tourist Council	E. G. Pleva	The Baldoon Study
Private Planning Ass'n. of Canada	G. Reuber	Atlantic Economic Studies
National Research Council	N. R. Kunchur	Equipment Grant
National Research Council	P. K. C. Chan	Equipment Grant
National Research Council	P. de Mayo	Equipment Grant
National Research Council	A. D. Edgar	Equipment Grant
National Research Council	P. A. Forsyth	Equipment Grant
National Research Council	C. J. Hickman	Equipment Grant
National Research Council	F. L. M. Pattison	Equipment Grant
National Research Council	W. H. Wehlau	Equipment Grant
National Research Council	A. E. Scott	Equipment Grant
Ontario Fuel Board	J. F. Hart	Studies of the use of informa- tion processing methods in the search for oil and gas in Ontario
Dept. of National Health & Welfare	F. Hayden and M. S. Yuhasz	Development of Physical Per- formance Test Norms for Canadian Boys and Girls
Dept. of National Health & Welfare	M. S. Yuhasz	The energy expenditure of drownproofing

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Dept. of National Health & Welfare	M. S. Yuhasz and P. A. Rechnitzer	Effects of a twenty-week exercise programme on post infarct and clinically healthy males
National Research Council	P. de Mayo	Expenses re Dr. Hikino's Fellowship
National Research Council	J. F. Hart	Expenses re S. Huzino's Fellowship
National Research Council	G. H. Reavely	Expenses re J. A. Westgate's Fellowship
National Research Council	A. E. Beck	Expenses re J. H. Sass' Fellowship
National Research Council	C. J. Hickman	Expenses re P. S. Ramakrishnan
National Research Council	E. Brannen	Expenses re V. Sochor's Fellowship
National Research Council	P. de Mayo	Expenses re Dr. Helmlinger's Fellowship
Dept. of Mines & Technical Surveys	R. W. Packer	Repose slopes of Pleistocene material in Southwestern Ontario
Dept. of Mines & Technical Surveys	C. G. Winder	Microfauna of Kettle Point and Port Lambton Shales, Ontario
Dept. of Mines & Technical Surveys	R. J. Uffen and R. Mereu	Dynamic High Pressure Studies of Rocks
Dept. of Mines & Technical Surveys	A. E. Beck	Re Seismic Observatory
Dept. of Mines & Technical Surveys	A. Dreimanis	Stratigraphic correlation of Glacial Deposits between Lake Huron and the St. Lawrence Lowlands

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Dept. of Mines & Technical Surveys	W. R. Church	Geological Research
Dept. of Mines & Technical Surveys	A. D. Edgar and R. W. Hutchinson	Comparative studies of lithium-bearing pegmatites
Dept. of Mines & Technical Surveys	A. C. Lenz	Upper Silurian and Lower Devonian faunas of Royal Creek Area, Yukon
Dept. of Mines & Technical Surveys	G. M. Young	Stratigraphy, structure and sedimentology of the Precambrian rocks of Harrow
Dept. of Mines & Technical Surveys	V. W. Sim	Geographical Research
Dept. of Mines & Technical Surveys	A. E. Beck	Determination of Underground Water Flows, Coronation Mine
Dept. of Mines & Technical Surveys	A. Dreimanis	Buried soil in Banff National Park
Dept. of Mines & Technical Surveys	A. Dreimanis	Provenance of Diamonds in Glacial Drift, Great Lakes Region
Dept. of Mines & Technical Surveys	W. H. Wehlau	To supply refrigeration for Photomultiplier
Consumers Gas Co.	J. F. Hart	Oil and Gas Industry of Ontario Research
Union Gas Company	J. F. Hart	Oil and Gas Industry of Ontario Research
Imperial Oil Ltd.	J. F. Hart	Oil and Gas Industry of Ontario Research
Gas and Petroleum Ass'n.	J. F. Hart	Oil and Gas Industry of Ontario Research
Dept. of Highways	R. McDaniel	Patterns of travel to resorts in Southern Ontario

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Hudsons Bay Oil and Gas Co.	C. G. Winder	Geological Research
Thomas S. Knight	C. D. MacInnes	Study of Canada Geese in the Arctic
John Labatt Ltd.	C. J. Hickman	Botany Research Fund
The Eli Lilly Co.	P. de Mayo	Research on Natural Products
Dept. of Labour (Federal)	S. G. Peitchinis	The impact of the Changing Structure of the Labour Force on Labour's Share of the National Income
Dept. of Labour (Federal),	W. E. Mann	An investigation of the drop-out ratio from the Federal Government's Retraining Programme for Unemployed Workers
Lake Erie Regional Development Study	E. G. Pleva	Geographical Research
Mobiloil of Canada Ltd.	R. J. Uffen	Geophysics Research
Medical Research Council	K. Zachariah	Sporulation in pencillium and aspergillus
Dept. of Transport - Canada	D. R. Hay	Micrometeorology of the Outer Layer of Frictional Influence
Dept. 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 Integration
Ontario Mental Health Fdn.	W. J. McClelland	Infantile emotionality and later behaviour: A study of learned fear

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Ontario Mental Health Fdn.	H. O. Lobb	The effect of amphetamine on Classical Trace Conditioning in Mentally Retarded and Normal Adults
Ontario Mental Health Fdn.	R. C. Gardner	Verbal Behaviour of Psychotics
Ontario Mental Health Fdn.	T. J. Ryan	Comparative investigations of Frustrative Non-reward in Normal and Retarded Children
Ontario Mental Health Fdn.	Robert 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
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
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	F. L. M. Pattison	Studies in inorganic chemistry
National Research Council	H. I. Battle	Embryonic responses of teleosts to selected protein and RNA inhibitors

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
National Research Council	W. H. Wehlau	Photometric and spectroscopic studies of peculiar A stars
National Research Council	N. R. Kunchur	Crystallographic studies of co-ordination compounds of mercury, cobalt, copper and derivatives of thiourea
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	Expenses re Dr. Brandham's Fellowship
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 and quinonoid systems
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

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
National Research Council	J. F. Hart	Computing Facilities
National Research Council	W. E. McKeen	Electron microscopy and plant disease investigation
National Research Council	E. J. Barbeau	Investigation of certain closed subsemialgebras of a real Banach algebra
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 microtron
National Research Council	J. H. Blackwell	Hydromagnetic boundary value problems
National Research Council	R. W. Nicholls	Studies in laboratory astrophysics
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 <u>zea mays</u> 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 Temperature reactions
National Research Council	J. W. Lorimer	Transport Processes in Ion-selective membranes

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
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	A.E. Beck	Measurement of terrestrial heat flow using deep boreholes and underwater boreholes
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 the McConnell River, N. W. T.
National Research Council	D. Naylor	Fourth order Eigenvalue Problems

<u>Name of Grantor</u>	<u>Name of 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	Mediating 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 rotational band of NE20
National Research Council	R. J. Uffen	Geophysical Investigations
National Research Council	T. J. Ulrych	Strontium and lead isotope variations and rubidium-strontium geochronology

<u>Name of Grantor</u>	<u>Name of 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	R. W. Nicholls	A rocket nose-cone vacuum spectrograph
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	Improvements in geophysical instrumentation and data reduction
National Research Council	M. E. L. Fleet	Structural Chemistry of the iron, zinc, sulphide minerals

<u>Name of Grantor</u>	<u>Name of 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	G. R. Hebert	Laboratory Astrophysics
National Research Council	D. R. Moorcroft	The nature of radio-auroral ionization
National Research Council	R. C. Murty	Gamma ray investigations 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 field
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. Van der 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

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
National Research Council	C. G. Winder	Carbon elasticity, dolomitization and insoluble residues of Middle Ordovician limestones
National Research Council	M. M. Ali	Estimation of Parameters of a contaminated distribution
National Research Council	J. E. Steele	Metabolic and developmental regulatory mechanisms 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	J. F. Hart	Conference on Systems and Cybernetics
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
Dept. of Philosophy Research Fund	J. Margolis	Research in Philosophy
Dept. of Philosophy Research Fund	M. Wright	Research in Psychology

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Paint Research Institute	D. C. Bradley	Studies in the metal alkoxide and related fields
Public Health Service (U. S.)	A. W. A. Brown	Mosquito resistance to insecticide and chemosterilants
Public Health Service (U. S.)	P. de Mayo	Metabolites of H. Sativum
Public Health Service (U. S.)	P. de Mayo	The Constitution of Primycin
Dept. of University Affairs	G. G. Suffel	Nature and origin of certain sedimentary banded iron formations of Ontario
Dept. of University Affairs	H. I. Battle	Comparative cytological and histological effects of the lampricide
Dept. of University Affairs	D. G. Wilson	An investigation of the organic acids in succulent plants
Dept. of University Affairs	D. A. McLarty	Studies on the growth and control of species of Cladophora under Laboratory conditions
Dept. of University Affairs	H. W. Baldwin	A study of oxide formation on metal surfaces
Dept. of University Affairs	D. M. Graham	Autoxidation studies
Dept. of University Affairs	F. S. Cook	A study of extension and cambial growth in deciduous tree species
Dept. of University Affairs	J. F. King	Dipolar cyclic intermediates
Dept. of University Affairs	C. J. Willis	Studies on the decomposition and possible synthetic use of alkyl-perfluoralkyl tin compounds

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Dept. of University Affairs	W. H. Wehlau	A study of very low dispersion objective prism spectra and Associated Photometry
Dept. of University Affairs	J. B. Stothers	NMR studies of the dependence of vicinal coupling constants on Molecular geometry
Dept. of University Affairs	A. Dreimanis	Relationship of lithologic and granulometric composition of till to bedrock and older Pleistocene sediments, which have been transversed by glacier
Dept. of University Affairs	T. K. R. Bourns	Studies on host parasite relations
Dept. of University Affairs	D. B. MacMillan	A histochemical study of developmental stages of the plasmacyte
Dept. of University Affairs	R. H. Stinson	The effect of humidity upon the activity of small mammals
Dept. of University Affairs	J. F. Hart	A study of real-time strategy models with applications in business, engineering and government
Dept. of University Affairs	W. R. Church	Stratigraphy, structure, and sedimentology of the Proterozoic rocks north-east of Manitoulin Island
Dept. of University Affairs	A. D. Edgar	High temperature phase relations in the system $\text{NaAlSi}_3\text{O}_8\text{-KAlSi}_3\text{O}_8$
Dept. of University Affairs	M. H. A. Keenleyside	Comparison of habitat of brook trout and juvenile Atlantic salmon

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Dept. of University Affairs	H. C. Clark	Organic derivatives of nickel
Dept. of University Affairs	J. F. Hart	Trend surface analysis of the Paleozoic geology of South-western Ontario
Dept. of University Affairs	D. R. Miller	Research on convection cells in fluids
Dept. of University Affairs	J. E. Steele	Studies on insect blood proteins
Dept. of University Affairs	R. A. Haines	Chemical research
Research Corp.	D. C. Bradley	Research in Inorganic Chemistry
Resources for the Future, Inc.	R. J. Wonnacott	The effects of Free Trade on the structure of Industry in Canada & U. S.
National Aeronautics and 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
Canadian National Sportsmen's Fund	D. A. McLarty	To promote Algae Studies
Squibb Institute	P. de Mayo	Studies in photochemical rearrangement of hetero-systems
National Research Council	R. J. Uffen	Symposium on Science
Alfred P. Sloan Fdn.	J. F. King	Research Fellowship in Chemistry

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
National Research Council	G. F. Beckhoff	Graph applications in systems theory
National Research Council	P. A. Forsyth	Additional high atmosphere research
National Research Council	H. R. Froelich	Race-track microtons as medium-energy accelerators
National Research Council	R. A. Haines	Investigations of Metal Complexes with thiosemicarbazide
National Research Council	W. H. Holsworth	Social Behaviour, Ecology, and Population Control of Mammals
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 epoxides of fixed stereochemistry
National Research Council	T. J. Ryan	Duration of the frustration effect in children
National Research Council	A. K. Saleh	Fiducial distributions and inference

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
National Research Council	M. Sibuya	Development of Computer Programmes for Statistical Analysis
National Research Council	J. Starkey	A quantitative study of the crystal orientations
National Research Council	K. Subrahmaniam	Further contributions to the theory non-normality
National Research Council	G. A. Young	Regional investigation of sedimentology
U.S. Air Force Office of Scientific Research	R. W. Nicholls	Gas scintillations from Ionizing Radiation
U.S. Office of Naval Research	D. C. Bradley	Research on compounds containing transition metals banded to sulfur selenium or tellurium
U.S. Office of Naval Research	R. W. Nicholls	To investigate the excited molecular species arising in various light sources
U.S. Air Force Office of Scientific Research	D. C. Bradley	Research on organometallic compounds and polymers
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. Army Research	P. de Mayo	The Photochemistry of unsaturated systems containing Hetero atoms other than oxygen
U.S. Air Force Office of Scientific Research	E. Brannen	Millimeter and submillimeter electromagnetic radiation

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
U. S. Office of Naval Research	J. F. Hart	Research on Minimax Approximation
U. S. Air Force Office of Scientific Research	D. R. Hay	Investigation of dual cavity refractometer measurements at high relative humidities
U. S. Air Force Office of Scientific Research	D. C. Bradley	Research on organometallic compounds
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. Office of Naval Research	P. W. M. Jacobs	Research in photochemistry of solids
U. S. Naval Ordnance Test Station	P. W. M. Jacobs	An investigation and evaluation of data concerning the decomposition of ammonium perchlorate
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>Name of Grantee</u>	<u>Description of Project</u>
Canadian National Sportsmen'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	A. H. Johnson	Experimental Realism
University of Western Ontario	A. B. Conron	Canadian and Commonwealth Writers
University of Western Ontario	I. Steele	British Imperial and American Colonial History
University of Western Ontario	G. Tracy	Poetic Theory and Practise of Bertolt Brecht
University of Western Ontario	S. G. French	French Canadian Philosophy
University of Western Ontario	H. Berry	Suckling
University of Western Ontario	E. J. Devereux	Translations of Erasmus
University of Western Ontario	Wm. D. Walsh	The Impact of New Techniques on the Pennsylvania Iron Industry 1850-1870
University of Western Ontario	R. W. Osborn	Socioeconomic Factors in the Health of Older People
University of Western Ontario	L. Parai	International Migration and Economic Development in Canada during the Post-War Years
University of Western Ontario	David E. Bond	Simple Welfare Analytics of the Stock Market
University of Western Ontario	R. J. Wonnacott	Economic Models and International Trade

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
University of Western Ontario	G. L. Reuber	Preparation of book of readings on international trade for Carleton Library Series
University of Western Ontario	Frank Roseman	The acquisition of Canadian firms by non-resident firms
University of Western Ontario	S. B. Gupta	Economics of international migration
University of Western Ontario	Martha Williams	A study of Friedrich Nietzsche
University of Western Ontario	Joseph Margolis	An analysis of the concept of sensation
University of Western Ontario	A. Anastasopoulos	Risky assets and the loan market
University of Western Ontario	T. R. Balakrishnan	Study of attitudes towards and practise of family planning in a suburban community
University of Western Ontario	T. J. Courchene	Econometric analysis of Canadian inventory behaviour
University of Western Ontario	M. Galatin	The theory and measurements of technological changes and returns to scale
University of Western Ontario	G. K. Jarvis	The diffusion of the automobile in the United States
University of Western Ontario	J. Kantner	Urban expansion of Canadian cities
University of Western Ontario	T. R. Robinson	Foreign trade and economic stability
University of Western Ontario	W. H. Sommermeyer	Savings function for Canada

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
University of Western Ontario	D. J. Hockney	A study of C. I. Lewis' Theory of Emperical Knowledge
University of Western Ontario	H. B. Timothy	The life and work of John Galt
University of Western Ontario	G. D. Parker	Ph. D. dissertation on Eighteenth Century tragedy
University of Western Ontario	L. Heller	Pascal's Apology for the Christian Religion
University of Western Ontario	G. H. Seufert	Bernhard von Ventadorn and Heinrich von Morungen
University of Western Ontario	H. K. Kalbfleisch	Preparation of Pennslyvania-German Dialect
University of Western Ontario	John Richardson	Motor learning
University of Western Ontario	J. D. Allingham	A study of differential fertility in Australia.
University of Western Ontario	G. L. Tracy	Preparation of the manuscript of the critical anthology of German literature
University of Western Ontario	H. J. Schueler	The German verse epic in the nineteenth and twentieth centuries
University of Western Ontario	A. V. Tucker	Departmental research
University of Western Ontario	C. A. Ruud	Slavic studies
University of Western Ontario	C. Dean	English language studies in the United Kingdom
University of Western Ontario	R. C. Overton	American bibliography

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
University of Western Ontario	J. W. Davis	Berkeley's Design
University of Western Ontario	G. Rans	James Fenimore Cooper.
University of Western Ontario	R. G. Gardner	Personality and speech
University of Western Ontario	A. Paivio	Personality and speech
University of Western Ontario	F. H. Armstrong	History of Toronto, 1828-1838
University of Western Ontario	R. E. Butts	William Whewell's Philosophy of Science
University of Western Ontario	P. A. Angeles	Philosophy of Religion
University of Western Ontario	A. M. J. Hyatt	Sir Arthur Currie - A Biography
University of Western Ontario	V. M. Sim	Determination of Changing Channel Characteristics in Small Streams
University of Western Ontario	J. Havelka	Psychology of the creative processes
University of Western Ontario	D. A. Chambers	Conditioning in Psychotics
University of Western Ontario	J. W. Simmons	University Government Assistance
University of Western Ontario	W. E. Reitz	Development of a Psychometric Scale of Need Achievement
University of Western Ontario	Nina Bernotas	Russian conversation topics

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
University of Western Ontario	W. J. McClelland	A study of learned fear
University of Western Ontario	R. A. Hohner	Prohibition Movement in Virigina
University of Western Ontario	H. W. Taylor	Land use and land tenure problems in the State of Sao Paulo, Brazil
University of Western Ontario	V. Hoar	The History of the MacKenzie-Papineau Battalion in the Spanish Civil War
University of Western Ontario	D. H. Hensley	Henry Reed: values and procedures of Wordsworth's Early American Editor
University of Western Ontario	James Kuist	Cursary observations on the poems attributed to Thomas Rowley, a priest of the Fifteenth Century
University of Western Ontario	N. C. Hultin	Research on Medieval Astrology and Chaucer's "Complaint of Mars"
University of Western Ontario	R. G. Woodman	The Romantics as critics of each other
University of Western Ontario	T. J. Ryan	Child development
University of Western Ontario	A. K. Philbrick	Preparation of field data for computer processing and analysis covering counties surrounding Lansing, Mich., and London, Ontario
University of Western Ontario	R. Piontkovsky	Nineteenth Century Russian Literary Criticism

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
University of Western Ontario	A. Paivio	Word abstractness and meaningfulness and paired-associate learning in children
University of Western Ontario	D. N. Jackson	Acquiescence response styles: problems of identification and control
University of Western Ontario	W. K. Wilson	Model logics
University of Western Ontario	T. F. Seise	Vocational interests and psychological needs
University of Western Ontario	R. N. Shervill	Research publications
University of Western Ontario	C. F. J. Whebell	Map bibliography of Southern Ontario 1780-1879
University of Western Ontario	C. Dean	Middle English Anthology
University of Western Ontario	N. Hultin	Middle English Anthology
University of Western Ontario	D. N. Jackson	Comparison and contrast of statistical and experimental trait from method variance in validation studies of personality assessment devices
University of Western Ontario	Irving Block	Aristotle's Theory of Knowledge
University of Western Ontario	W. Flint	Solana, Escritor
University of Western Ontario	A. Bolgan	T. S. Eliot - Papers
University of Western Ontario	T. R. Sansom	Theories of political belief

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
University of Western Ontario	C. F. Klinck	Norton Journal
University of Western Ontario	P. D. Fleck	Mary Shelley's notes to Shelley's poems and Franken- stein
University of Western Ontario	H. Lobb	Drug Effects in Avoidance Learning
University of Western Ontario	S. J. R. Noel	Canadian Political Behaviour
University of Western Ontario	B. G. Cummings	Photoperiodism
University of Western Ontario	A. C. Lenz	Paleontology in the Yukon Territory
University of Western Ontario	A. D. Edgar	Experimental Petrology
University of Western Ontario	A. E. Scott	Chemical research
University of Western Ontario	D. A. McLarty	Electron microscope studies of fungi
University of Western Ontario	P. B. Cavers	Physiological studies of weed seed germination
University of Western Ontario	R. I. Greyson	Plant morphogenesis studies
University of Western Ontario	M. Schlesinger	Optical and electrical studies of the solid state
University of Western Ontario	D. Borwein	Theory of Summability
University of Western Ontario	R. H. Cole	Differential Equations

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
University of Western Ontario	T. K. R. Bourns	Collection of Miracidia
University of Western Ontario	P. W. Jacobs	Low Temperature Equipment
University of Western Ontario	B. G. Cummings	Photoperiodism and time measurement in plants
University of Western Ontario	L. Orloci	Community structure and the informativeness of qualitative and quantitative data vectors
University of Western Ontario	C. G. Winder	Petrological Study of the Huronian
University of Western Ontario	W. E. McKeen	Fungal Structure
University of Western Ontario	D. M. Scott	Reproductive Cycle of Female Cowbirds
University of Western Ontario	C. M. Carmichael	Research equipment
University of Western Ontario	D. M. MacInnes	The McConnell River Project

MUSEUMS

Province of Ontario	W. Jury	Archaeological research
Province of Ontario Dept. of Tourism and Information	W. Jury	Ste. Marie I Project
Province of Ontario Dept. of Tourism and Information	C. F. Smith	Penetanguishene Museum

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
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SCHOOL OF BUSINESS ADMINISTRATION

Bell Telephone Company of Canada	W. A. Thompson	Business research
Ontario Economic Council	J. R. Nininger	Employment patterns survey of the Lakehead
Ontario Economic Council	J. R. Nininger	Training of the unemployed in Ontario
The Ford Fdn.	J. J. Wettlaufer	Business research
Sundry Donors	J. J. Wettlaufer	Business research
U. S. Steel Production	J. J. Wettlaufer	Business research

SCHOOL OF NURSING

W. K. Kellogg Fdn.	R. C. Aiken	To support the development in nursing service administration
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.
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<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Atomic Energy of Canada Ltd.	C. Ray	The relationship between built-up stresses and the breakdown process in oxide films on zirconium alloys
Atomic Energy of Canada Ltd.	G. A. Geach	An investigation of the development of alloys of U_3S_1 with a fine and uniform dispersion of another phase
American Electric Power Service Corporation	A. G. Davenport	Model investigation of the static and dynamic behaviour of an hyperbolic cooling tower in a turbulent boundary layer flow
J. P. Bickell Foundation	R. M. Dillon	Engineering Education
Dow Chemical of Canada Ltd.	M. M. Young	Fellowship, K. W. Chan
University of Western Ontario	R. M. Dillon	Special Research Fund
University of Western Ontario	J. E. K. Foreman	Special Research Fund
University of Western Ontario	E. S. Nowak	Engineering research
University of Western Ontario	N. J. Gardner	Aeroelastic investigation of the behaviour of hyperboloids
University of Western Ontario	E. S. Nowak	Engineering research
University of Western Ontario	A. J. Hartman	Flexural-Torsional Buckling of Planar Structures
University of Western Ontario	A. G. Davenport	Wind Tunnel Studies

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
University of Western Ontario	N. J. Gardner	Experimental and theoretical investigation of concrete filled tubes as columns
University of Western Ontario	G. S. Emmerson	Investigation of the behaviour of water and other liquids in the spheroidal state
University of Western Ontario	K. A. Shelstad	Infra-red spectroscopy of Adsorbed molecules
National Research Council	A. G. Davenport	Special Grant for Equipment
National Research Council	A. G. Davenport	Special Grant for Equipment
National Research Council	E. S. Nowak	Special Grant for Equipment
National Research Council	E. S. Nowak	Special Grant for Equipment
National Research Council	J. E. K. Foreman	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
Ontario Department of Health	I. I. Inculet	Air Pollution control
Estate of the late Edna E. Jeffery	R. M. Dillon	Engineering Science Research

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
National Research Council	A. G. Davenport	Studies directed towards the design of structures against wind and earthquake
National Research Council	L. S. Lauchland	Multi-input control device
National Research Council	W. Bulani	Study of electrochemical 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	An experimental investigation of the thermodynamic and transport properties of water and water vapour
National Research Council	J. E. K. Foreman	Fluid dynamic model studies of blood flow and artery dilation
National Research Council	R. M. Quigley	Influence of soil fabric and clay mineralogy on the engineering properties of Canadian clay deposits
National Research Council	M. M. Young	Interfacial and theological phenomena in disperse systems
National Research Council	R. M. Dillon	Electrostatic effects in fluidized beds
National Research Council	J. E. K. Foreman	Fluid dynamic model studies of blood flow and artery dilatation
National Research Council	K. A. Shelstad	Catalytic Amm-oxidation of Hydrocarbons

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
National Research Council	N. J. Gardner	Investigation of behaviour of concrete filled steel tubes
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	A. G. Davenport	Boundary Layer Wind Tunnel
National Research Council	G. A. Geach	Studies of the creep and plastic deformation of alloys
National Research Council	C. Roy	Dislocations and the strength of bicrystals of calcium fluoride
National Research Council	P. Zaloudik	Study of residence times of fluids and solids in continuously stirred tank reactors
Medical Research Council	J. E. K. Foreman	Fluid dynamic model studies of blood flow and artery dilatation
Atlas Steels Ltd.	R. M. Dillon	Physical metallurgy research fund
Anonymous	R. M. Dillon	Research for Engineering Science
John Labatt Ltd.	R. M. Dillon	Engineering Science Research
Dept. of University Affairs	E. S. Nowak	Analysis of turbulent velocity and temperature profiles in liquids and gases at subcritical and supercritical pressures
Dept. of University Affairs	M. M. Young	Drop and bubble phenomena
National Aeronautics and Space Administration	A. G. Davenport	Investigations of ground wind loads on space vehicles

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Seattle First National Bank	A. G. Davenport	Wind Tunnel investigation of the aerodynamic and aeroelastic behaviour of 50-storey building for Seattle First National Bank
United States Steel Fdn.	R. M. Dillon	Research in engineering science
Dept. of Transport	A. G. Davenport	Comparison of boundary layer turbulence properties
World Trade Centre	N. J. Gardner	To construct and test plastic structural models for the World Trade Centre

MISCELLANEOUS

Allied Chemical Corporation	E. Y. Spencer	The action of vinyl phosphor-thionates in selected toxicity
National Research Council	G. E. Hall	Scientific Research Special
Canadian Council on Urban and 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

APPENDIX G
FULL-TIME ENROLLMENT IN UNIVERSITIES
AND COLLEGES

FULL-TIME ENROLLMENT IN UNIVERSITIES AND COLLEGES

Full-time university-grade enrollment in Canadian universities and colleges at December 1, 1965 was 205,888, larger by 15.5% than the preceding year's comparable figure of 178,238, larger by 30% than the 1963-64 figure of 158,388.

Full-time graduate enrollment increased at a greater rate (24.6%) from 1964-65 to 1965-66 than did full-time undergraduate enrollment (14.7%).

By province, full-time enrollment increases from 1964-65 to 1965-66 ranged from a low of 10.4% for New Brunswick to 24.7% for British Columbia. The large British Columbia increase was mainly accounted for by the opening of two new institutions in the province (Simon Fraser University and Vancouver City College).

By including enrollment at all affiliated institutions, eight institutions had over 10,000 full-time university-grade students. The Université de Montréal was largest with 29,323, followed by the University of Toronto (17,810), Université Laval (17,006), the University of British Columbia (15,966), University of Alberta (14,444, including 3,268 at Calgary), McGill University (11,696), the University of Manitoba (10,786), and the University of Saskatchewan (10,583).

The following table gives summary data by province for the two years.

Full-time University-grade Enrollment at Canadian Universities

and Colleges, 1964-65 and 1965-66

	Undergraduate		Graduate		Total	
	<u>Total</u>	<u>Women</u>	<u>Total</u>	<u>Women</u>	<u>Total</u>	<u>Women</u>
1964-65:						
Newfoundland	2,601	820	51	17	2,652	837
Prince Edward Island	802	253	--	--	802	253
Nova Scotia	8,109	2,549	400	71	8,509	2,620
New Brunswick	5,468	1,458	305	27	5,773	1,485
Quebec	54,759	15,610	4,641*	852	59,400	16,462
Ontario	45,369	13,660	5,424	889	50,793	14,549
Manitoba	8,641	2,635	531	88	9,172	2,723
Saskatchewan	9,266	3,288	337	33	9,603	3,321
Alberta	11,929	4,233	1,048	158	12,977	4,391
British Columbia	17,497	6,189	1,060	185	18,557	6,374
CANADA	164,441	50,695	13,797	2,320	178,238	53,015
1965-66:						
Newfoundland	3,106	1,136	62	7	3,168	1,143
Prince Edward Island	924	351	--	--	924	351
Nova Scotia	8,997	3,008	460	82	9,457	3,090
New Brunswick	5,988	1,746	383	48	6,371	1,794
Quebec	61,506	18,710	5,810	1,258	67,316	19,968
Ontario	52,124	16,330	6,859	1,163	58,983	17,493
Manitoba	10,469	3,857	600	107	11,069	3,964
Saskatchewan	10,300	3,733	407	39	10,707	3,772
Alberta	13,445	5,098	1,304	194	14,749	5,292
British Columbia	21,833	7,876	1,311	237	23,144	8,113
CANADA	188,692	61,845	17,196	3,135	205,888	64,980

*Beginning in 1963-64, the classification of graduate enrollment in French-language institutions in Quebec was changed by DBS. As a result, the total full-time graduate enrollment for Quebec as reported by DBS rose from the 2,813 reported for 1962-63.