

REPORT OF THE PRESIDENT
AND VICE-CHANCELLOR

to

THE BOARD OF GOVERNORS
AND THE SENATE

For the Academic Year
Ending June 30, 1965

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

1964-65

This has been a year during which an unprecedented number of national studies in the field of higher education have been instituted or reported upon. One of the very important studies was that carried out under the Chairmanship of Dean Vincent Bladen. This study, "Financing Higher Education in Canada", was initiated by the Association of Universities and Colleges of Canada. The membership of the Commission serving with Dean Bladen includes Dr. Louis-Paul Dugal, the Honourable W. M. McCutcheon, and Mr. Howard I. Ross.

They were requested in general "to study and report and make recommendations on the financing of the universities and colleges of Canada". That their study was concluded so rapidly -- their report will be presented in September 1965 -- was an indication not only of the urgency of the study but as well of the vital interest which all of the participating institutions and groups showed in the study. The report and the recommendations of the Commissioners will undoubtedly set patterns of thought and action in the financing of higher education in this country for many years to come.

Naturally it cannot be expected that all of the recommendations will be acceptable to the several bodies now providing the major funds for capital and operating purposes for the support of higher education. Nevertheless, the report has brought into sharp focus the magnitude of the problem of the financial needs of the universities and colleges of Canada, if Canada is to have anything but a mediocre system of higher education. The report, too, brings into the open the financial problems facing those young men and women who have the ability and the desire to obtain a university education.

The rising costs of higher education appear to be staggering. But in the light of rising standards of living and a rising Gross National Product, these costs are not at all unexpected or significantly high. Spending additional hundred of millions annually on higher education and at

the same time providing for a higher level of general and technical education is the key to continued productivity of the nation and even to its economic survival.

We all owe Dean Bladen and his fellow Commissioners our sincere thanks and gratitude for their diligence, their vision, their wisdom and their courage.

The year 1964-65 saw several other important studies launched or reported upon. A joint CAUT/NCCUC study of university government was undertaken by Sir James Duff and Professor Robert Berdahl. The Commissioners visited each of the member institutions of the NCCUC (now the AUCC) in their examination and assessment of the present organization and practices of their respective governing bodies.

Here at this University the Commissioners met with the academic members of the Senate, the Board of Governors, the Executive of the Faculty Association, the Advisory Committee to the Board of Governors, and on an individual basis opportunity was available for heads of Colleges, Faculties and Schools and other members of the Faculty to meet with one or both Commissioners. In some instances briefs were presented to the Commission as well.

The report of the Commission will not, of course, be available for many months. Its publication will naturally be awaited with keen interest.

Another study of interest to this University was one conducted by Dr. D. L. B. Hamlin on "International Studies in Canadian Universities" under the auspices of the Canadian Universities Foundation. This study coupled with the growing concern within the NCCUC of the International Role of Canadian Universities has resulted in greater attention being given by the universities to "area" studies.

In this connection it should be noted that Western, with its background interest, its library holdings, and the knowledge and experience of the members of staff in several departments, established a "centre" for Inter-American Studies. This "centre" is simply an interdisciplinary association of Faculty members, their departments and their students. It is, however, impressively effective. Geography, Portuguese Studies, Spanish Studies, and History have been brought together in informal relationship directed at an integrated, comprehensive approach to the language, literature, geography, history, institutions and culture of our Latin American neighbours.

And following this pattern yet another interdisciplinary cooperative development is beginning to take form. The Departments of

English, History, Romance Languages, Political Science, Economics, Sociology, Geography and Psychology, concerned as they are with "Canadian Studies" and the relationship of the Canadian peoples and cultures within the total context of North America are planning ways and means of accomplishing these objectives again without a formal "institute" or "centre" or "programme".

This approach to "Canadian Studies" and the intimate relationship of Canada to the United States has long been a part of this University as may be judged by the number of relevant graduate and undergraduate courses offered and by the number of members of Faculty whose teaching and research interests lie in this area. That several well-known scholars in this field will join the Faculty in July will enhance and strengthen this co-operative approach to Canadian Studies.

With several large "provincial" universities, several so-called "private" universities, several church-related universities, and many new universities and colleges coming into being, it is only natural that the retirement plans of the many institutions would vary considerably. A fact-finding and analytical survey of retirement systems is being planned under the joint auspices of the Association of Universities and Colleges of Canada, the Canadian Association of University Teachers, and the Canadian Association of University Business Officers. Supported by the Carnegie Corporation of New York this study will be undertaken by Professor M. H. Ingraham of the University of Wisconsin. His findings will be of great help to each University in its own review of its retirement plan and in the light of changing socio-economic conditions. It is to be hoped that the Ingraham report will be available early in 1966.

Volume I of the report of the Royal Commission on Health Services which appeared during the year is the result of a tremendous amount of work on the part of Mr. Justice Hall, his several colleagues and the many members of working committees. Naturally, the recommendations have far-reaching implications and will influence the thinking and planning of every level of government and those universities which have faculties of Medicine, Dentistry and Nursing.

Although all phases of the report are of significance, the University is particularly concerned with those portions which deal with the education of the Health Sciences personnel, the provision of adequate facilities and the much needed increased support of research.

In the general context of the changing concepts of health care and the urgent need for expanding and improving facilities for the education of the required professional personnel, the Honourable John P. Robarts announced on October 29, 1964 that major additional financial support would

be provided to Western, Toronto, Queen's, and McMaster for such purposes. A new Medical School at McMaster, improved and expanded facilities for medical education at Toronto and Queen's, and a new Dental School and a "University Hospital" at Western were specifically announced by the Prime Minister. Improved facilities for medical, dental and nursing education in the teaching hospitals was another major part of the total programme which he announced.

These and other relevant steps taken by the Province of Ontario are both courageous and far-sighted and will make it possible for the major universities in Ontario to meet much more adequately their responsibilities to the people in the field of health services. Here at Western it means that the concept of integrated Health Sciences which we have held for many years will become a reality.

Earlier in the fall and because of an indication of a probable decision by the Government, a rather large ad hoc committee was set up to consider the advisability or otherwise of establishing a Faculty of Dentistry at Western, if such a request were received. The committee had before it the firm recommendations of the Royal College of Dental Surgeons of Ontario and of the Ontario Dental Association. The recommendations of these two bodies, which previously had been submitted to the Minister of Health, urged that a Faculty of Dentistry should be organized at this University.

The ad hoc committee, with representatives of the Royal College of Dental Surgeons, the Ontario Dental Association, the Universities' major teaching hospitals, the London Dental Association, the Faculty of Medicine, etc., agreed unanimously that the University should accept the responsibility of a Faculty of Dentistry as part of a Health Sciences Centre if requested to do so by the Government, and so recommended to the Board of Governors.

The announcement of the Prime Minister encouraged the Senate and the Board to proceed with the establishment of a Faculty of Dentistry and at the same time to co-operate fully with the London Health Association in its establishment of a "University Hospital". With the assurance that the new Faculty of Dentistry would be supported without prejudice to our other commitments, the appointment of Dr. Wesley J. Dunn as the first Dean of the Faculty was made.

Of tremendous significance not only in the Province of Quebec but throughout Canada was the report of the Parent Commission. Mgr. A. -M. Parent, former Rector of Laval University and one-time President of the NCCUC, and his colleagues reviewed the educational system of the Province, studied the many interrelated aspects of primary, secondary, technical and higher education and made many recommendations which, if

implemented, will result in profound and extensive changes in the educational system of that Province.

* * * * *

In September the University was host to many distinguished guests from various parts of the Commonwealth, the United States and Canada. The biennial meeting of the Council of the Association of Commonwealth Universities was held at the University. The Council of the ACU held joint meetings with the NCCUC and later the ACU Council, the NCCUC, and representatives of the Association of American Universities met in session to discuss the two major areas of educational co-operation and the development of graduate studies.

With the rapid growth of graduate studies and research at Western, coupled with the increased numbers of Faculty members, graduate students and undergraduates, library facilities had been increased during the past few years by two additions to the main Library. Further additions, it was felt, could not meet the growing requirements of the University. That this problem might be studied in the broadest possible context a Library Planning Committee was established and a report has been prepared by the Committee. The construction of a new major library appears to be the only solution to this pressing problem. The Committee and its Subcommittee are now planning that new library.

Associated with the growth and development of new universities, new libraries and the extension of libraries in our secondary schools, an acute shortage of librarians exists -- not only in Ontario but throughout Canada. There being only one accredited school of library science in Ontario, Western was requested by the Minister of University Affairs to establish a library school here. Among the reasons given by the Minister for his decision were:

1. The University of Western Ontario has already developed a large library to serve the second largest student body after the University of Toronto.
2. The Faculty of Graduate Studies has developed over a considerable period of time and has the Province's second largest enrollment in its Graduate Faculty.
3. Western has professional schools and libraries in several areas including medicine, nursing law, business, and will shortly be adding dentistry.
4. It will provide a new College for the education of secondary school teachers beginning in September, 1965.

5. It has research laboratories in connection with the Agriculture Research Institute and the Fisheries Research Board.
6. It has a Computer Science Department offering a Master's course in Computing Science.
7. It is located in a part of the Province where no Library School exists. The geographic factor may be significant in the recruitment of students and in the provision of an integrated library service for some rarer materials which might not otherwise be available to neighbouring university libraries.

This request was accepted in principle by the Senate and the Board and a committee, under the chairmanship of Professor J. A. F. Stevenson, was asked to study the whole matter and to make any relevant recommendations. Subsequently, the committee recommended to the Senate the establishment of a Library School. Detailed planning is now underway by the Faculty of Graduate Studies.

The advent of a Library School -- perhaps housed in temporary quarters until more permanent quarters are available -- adds further pressure to the urgent need for a new University Library with an initial capacity of some one million volumes. With present holdings of approximately 400,000 volumes, acquisitions at the rate of 60,000 to 75,000 volumes per year over the next eight to ten years will have to be planned for. This will present a major challenge to us.

That there is need for a survey in Ontario of graduate studies and of library resources for such studies has been recognized for some time not only by the universities themselves but also by the Committee on University Affairs. Following discussions between the Ontario University Presidents' Committee and the Committee on University Affairs there has been established a "Commission to Study the Development of Graduate Programmes in Ontario Universities". The Commission will consist of one member from Canada (Dr. J. W. T. Spinks), one from the United States (Dr. G. O. Arlt), and one from the United Kingdom (Dr. F. K. Hare). They will commence their study in the fall.

It is expected that their report will indicate "areas" of special strength and interest in the various universities and make suggestions as to how such "areas" may be made available for use by other universities. Undoubtedly the report will uncover "areas" which require added attention and strengthening. Suggestions for greater co-operation among certain universities in the use by graduate students not only of library material, but as well of special physical facilities and equipment may be expected.

That a graduate student studying in a special field at one university should have the opportunity of spending a portion of his time with an outstanding scholar or scientist at another centre is a consideration which will likely be studied by the Commission.

And from comparable discussions between the University Affairs Committee and the Ontario University Presidents' Committee -- arising out of a report presented to the latter Committee by one of its research sub-committees -- a "Co-ordination of Academic Library Services Committee" (C. O. A. L. S.) will be established. It is expected that the Committee will commence its work before the end of the year.

The importance to Western of these two province-wide studies is great indeed, particularly in view of the intensive work being done by our own Library Planning Committee. The possibility that we may be required to assume a greater responsibility in providing growing library services for other universities in Western Ontario would undoubtedly call for additional facilities beyond those presently contemplated -- but not overlooked -- by our own Committee. The use of data processing equipment for multiple ordering, processing, cataloguing, etc. has been given careful consideration already. A regional responsibility has further and additional implications but ones which our Committee is prepared to accept in view of our present holdings and future planned acquisitions and with respect of overall economy in the field of academic library planning and development in the Province.

It is apparent from the several major examples of studies, surveys and commissions which I have cited that the rapid growth of higher education in Canada in general and in Ontario in particular, and the significant changes which are taking place in every sector of our society, have given rise to many problems which must be resolved but which require for their solution factual information, judgments, opinions, compromises, changes, and flexibility.

* * * * *

It is sad indeed to report the deaths of several members of the University family. We all join in paying tribute to those men and acknowledge their many contributions to their University. At the same time we extend to the surviving members of their families sincerest sympathies.

Dr. E. G. D. Murray, Guest Professor of Bacteriology,
Department of Medical Research, July 6, 1964.

Mr. George Pilgrim, Department of Buildings and Grounds,
July 9, 1964.

Dr. A. J. Grace, Professor of Surgery, September 7, 1964.

Mr. Arthur Woods, retired, Professor of Mathematics, September 23, 1964.

Mr. K. W. Hunton, retired, Associate Professor of Chemistry, October 1, 1964.

Mr. W. Robert Waugh, Assistant Professor, School of Business Administration, October 11, 1964.

Mr. Roy Batten, Department of Buildings and Grounds, December 19, 1964.

Mr. J. E. Smallman, member, Board of Governors, February 17, 1965.

Mr. L. L. Lang, retired member, Board of Governors, February 25, 1965.

Dr. R. G. S. Malone, Pathologist-in-Chief, St. Joseph's Hospital, and University Department of Pathology, April 2, 1965.

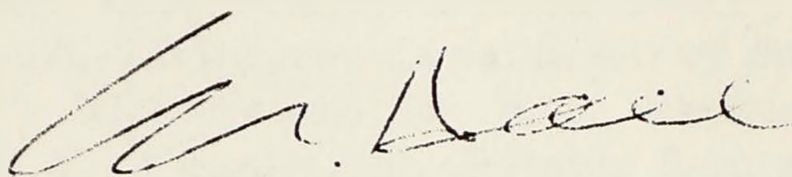
Each year several members of the Faculty reach the age of retirement. Some remain with the University to continue their teaching or to assume other responsible positions. To each of these I extend personally and on behalf of all of their colleagues my very sincere thanks for all that each has contributed to the growth, development and prestige of the University. Their influence has been great. It will continue to be reflected through the students and younger members of Faculty who have been privileged to know them.

At the same time I welcome to the University the many new members of the Faculty and their families. I am sure that they will recognize that Western is in a period of rapid growth and that some of the problems which we are all facing are in part due to that expansion. It would be hoped that the new members would take the opportunity of reading the story of Western -- "Western", 1878-1953 -- in order to become acquainted with its background, its history, its pioneers, and other interesting aspects of our development.

May I, at this time, express my sincere thanks to all of those persons, institutions, agencies and governments who have assisted the University in so many ways. Without their understanding and help the University could not have met its responsibilities for teaching, advancing knowledge, and playing a vital role in today's society. We are deeply indebted to them.

The reports which follow are significant. They indicate the many and varied activities of the University in its broadest context. I commend them to you and express the sincere hope that you will read them carefully.

May I, too, in submitting this report for the year ending June 30, 1965, express my very sincere thanks to the members of the Senate, the Board of Governors, the Faculty, the Staff of the University and the Students of the University for their co-operation, their diligence, and for their many and so important contributions to the life of the whole University.

A handwritten signature in cursive script, appearing to read "G. Edward Hall".

G. Edward Hall,
President and Vice-Chancellor.

THE UNIVERSITY SENATE

Report of the Secretary

Professor J. K. Watson

The Senate of The University of Western Ontario met four times during the academic year: on October 29, 1964, and on January 29, March 26 and June 1, 1965. The average attendance was 44 members.

Retirements from the Senate are recorded: Dean R. A. Allen, Faculty of Graduate Studies; Mr. A. D. Billingsley, Secondary School Principal, Sarnia; Professor J. A. McIntyre, Department of Summer School and Extension; Dr. R. W. Nicholls and Dr. A. E. Raymond, University College; Rt. Rev. L. A. Wemple, St. Peter's Seminary College of Arts.

New appointees to Senate membership were: Mr. D. V. Cardillo, City of Kitchener; Dean W. J. Dunn, Faculty of Dentistry; Professor P. de Mayo, University College; Professor E. E. Palmer, Faculty of Law; Mr. A. E. Shepherd, Board of Governors; Mr. D. R. Stokes, City of St. Thomas; Dean A. W. R. Carrothers, Faculty of Law; Professor A. H. Johnson, University College; Mr. K. S. Murray, Alumni Association; Dean R. J. Rossiter, Faculty of Graduate Studies; Dean W. S. Turner, Althouse College of Education.

Programmes

Nine new undergraduate Honours Programmes in the Faculty of Arts and Sciences were established by the Senate:

Leading to B. A. degree:

Economics with History,
Economics with Mathematics,
History and Russian,
Philosophy and Mathematics.

Leading to B. Sc. degree:

Anatomy,
Bacteriology and Immunology,
Biochemistry, Biophysics, Physiology.

A new four-year programme in the School of Nursing leading to B. Sc. N. degree was approved in principle.

Two new programmes were established in the Faculty of Graduate Studies: Nursing Education leading to M. Sc. N. degree, and Engineering Science leading to Ph. D. degree.

Revisions to academic regulations of the Faculty of Arts and Sciences were approved in the areas of aegrotat standing, requirements for General Programme B. A. degree for students not qualifying for Honours Programme B. A. , and a definitive statement of "failed year".

Provision was made by the Senate for the setting up of an Inter-Faculty Appeals Board, to act as an adjudicating committee for students registered in more than one faculty with a complaint of injustice against one of them.

A new "common" first year programme for the Faculty of Arts and Sciences was approved. In essence, former Programmes I and II are replaced by an offering of subjects from four divisions of Humanities, Social Sciences, Mathematics and Natural Science, and Miscellaneous, within certain specified limits. It is believed the additional flexibility provided by the new programme may be of great benefit to students in determining programmes for second and subsequent years.

The curriculum of the Faculty of Law was amended so that new emphasis might be placed on subjects of the second and third years.

The curriculum for Althouse College of Education was approved.

A curriculum planning committee for the proposed Library School was appointed.

Admissions

Admission policy for the near and long term was considered at all four meetings of the Senate.

Admission policy and specific requirements were established for the Faculty of Dentistry, and planning for the curriculum was instigated.

The report of the provincially-established Grade 13 Committee, recommending a new concept of Grade 13 education, was published in June, 1964. The implication on policy of the University for 1965 admission, and for subsequent years as the new concept is gradually incorporated,

was obvious and, for 1965 at least, of an emergency nature. The Senate at its first meeting in October set up an ad hoc committee with authority to establish admission requirements for 1965 for all Faculties and Schools affected by changes in Grade 13 subjects. Later in the year, the Senate also authorized the Committee to establish requirements for 1966 admission to all Schools and Faculties.

Executive Committee

The Executive Committee of the Senate (membership of which is composed of the Vice-Chancellor, Secretary of the Senate, Deans and Principals of all Faculties, Schools and Colleges, and two representatives from membership at large of the Senate) met four times during the year, on days immediately preceding Senate meetings.

Course revisions were approved by the Executive Committee as follows:

Faculty of Arts and Sciences:

Botany, Chemistry, Computer Science, Economics and Sociology, Geography, History, Home Economics, Journalism, Physical and Health Education, Philosophy, Physics, Political Science, Psychology, Romance Languages, College of Music programmes, and the inclusion of a first year Engineering Science course as a Division D option.

St. Peter's Seminary College of Arts:

Pre-Theology requirements of Senior English and Philosophy.

Faculty of Engineering Science:

Modification of courses in Chemical Option.

Senate Policy in respect to the following areas was considered by the Senate and/or its Executive Committee:

Upgrading of general degree to equivalent of Honours degree.
Part-time or extramural approach to an Honours degree.
Tuition fees of qualifying year, versus those of fourth year Honours programme.

T. B. skin testing.

Utilization of staff and facilities -- interim report of a committee investigating "term" system.

Student grades and numerical marks.

Requirements for admission to Faculty of Medicine 1968 and subsequent years.

Double Honours Programme, or the combination of two subjects in one Honours Programme.

Representation on the Senate of new colleges in the Faculty of Arts and Sciences.

Summer Session registration in the Faculty of Graduate Studies.

Establishment of a Library School and the post-graduate programme and degree to be offered.

Work of the Secondary School-University Liaison Committee, and its recommendation for the appointment of a full-time Liaison Officer.

Possible effect of the policy of the Ontario Government's Scholarship and Bursary Fund 1965-66 on quality of freshman standing.

Government policies in respect to university support and their effect on this University's academic life.

Reviews of Western's academic and physical growth.

OFFICE OF THE REGISTRAR

Report of the Registrar

Professor J. K. Watson

The prime and essential responsibility of the Registrar is to ensure that the instructions and regulations of the Senate are carried out in all areas of academic life. The responsibility of the Office of the Registrar is to provide service and information in academic affairs to students, faculty and administration, and the public. I believe that the tripling of our personnel in the past three years has immensely expanded the capacity for service and its quality, despite the weight of new and revised Senate Regulations placed on the Registrar and the Office.

In my report for 1962-63, I stressed the necessity of separate departments within the office to handle, on a full-time basis, the separate types of our work load. Such specialization has been accomplished and some elevated degree of efficiency has resulted. Now, a further step is indicated. The centralization of the personnel dealing with student financial aid (bursaries, loans and scholarships) would improve greatly the service to the students as well as eliminating communicative complications of the Bursar, the Awards Officer and the Office of the Registrar. Since all student awards have a common denominator, academic records, it is suggested that the Awards Office should come under the aegis of the Registrar.

Increase in Enrollment

Enrollment figures, based on December 1964 registration submitted to the Dominion Bureau of Statistics, have been highlighted by publication in various media during the year. Commenting briefly, the registration of first year students admitted directly to Western from Grade 13 increased by 10% in September 1964 over the number admitted in 1963. The number of students new to the University increased by 14% over 1963, reflecting the increased registration in the Faculty of Graduate Studies and numbers of transferees from other institutions.

The following table summarizes total registration growth from 1954, and its progress towards the estimated registration of 1970:

	<u>1954-55</u>	<u>1962-63</u>	<u>1964-65</u>	<u>1970</u>
New Students (intramural)	948	1,930	2,362	
New Students (extramural)	240	688	629	
Full-time Students	2,451	5,095	6,215	10,260
Total Registration	3,635	7,502	9,865	17,660
Graduates and Diploma Holders	14,404	23,014	26,376	

Reference should be made to the growth of extramural registration in the past ten years. In 1964-65, it was more than three-quarters as large as intramural registration in the Faculty of Arts and Sciences, and more than half as large as intramural registration in the whole University. It should be noted, of course, that intramural registration designates student population, while extramural registration includes many registrants in both wintertime Extension and the Summer School. The numbers of our graduates are increased significantly each year by those earning degrees from the part-time approach of Extension and Summer School.

Admissions Officer

In 1961 an ad hoc Committee on Admissions, set up by the President anticipating the acceleration of university growth, advocated the appointment of an Admissions Officer to work in conjunction with the Admission Committees of the Faculties and Schools of the University. The foresight of the Committee has been proved by the experience since May 1963 when the recommendation was put into effect.

The Admissions Officer collects the documentary evidence of applicants' qualifications for presentation to the Admission Committees of all Faculties and Schools, and, as well, prepares for submission to the Faculty of Arts and Sciences Admission Committee the case histories of all applicants under special categories.

The staggering amount of detailed clerical work, along with the necessary personal interviewing, is obvious from the following table:

	<u>1963-64</u>			<u>1964-65</u>			<u>To September 1, 1965</u>	
	<u>Applic- ations</u>	<u>Accepted</u>	<u>Regis- tered</u>	<u>Applic- ations</u>	<u>Accepted</u>	<u>Regis- tered</u>	<u>Applic- ations</u>	<u>Accepted</u>
Arts & Sciences:								
First year	3,820	1,769	1,305	4,470	2,669	1,463	5,923	3,212
Other years	* ...	...	...	267	174	73	369	172
Extramural	* ...	...	...	1,146	844	629	967	684
Engineering Science	180	120	89	339	190	96	529	241
Law	*	194	109	56	274	138
Medicine	230	68	60	429	70	60	395	86
Others	*	387	359	297	396	392
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TOTALS				<u>7,232</u>	<u>4,415</u>	<u>2,674</u>	<u>8,853</u>	<u>4,925</u>

*Data not analyzed in 1963.

The work of "Admissions" has grown to such a degree in its first two years that it now occupies one-third of our office space and almost one-half of the money allocated for our expenses.

Computer Analysis

In the past year, constant consultation with the Department of Computer Science has resulted, since January, in the data processing of all students currently registered. On August 16, 1965, the records of the 6,000 Grade 13 applicants to Western were computer analyzed, and the admissible applicants accepted within 24 hours. It is hoped that, in the next year, "instant" statistics may be available to administration and faculty, through the co-operation of the Department of Computer Science, for standard statistical requests and for the many unusual ones received by the Office of the Registrar.

Permanent Examination Time Table

The complexities of the mechanics of conducting examinations have grown as the student body and the number of buildings have grown. Five examination periods are scheduled, three for winter session students and two for summer session students. The supply of areas for seating properly and supervising the examinees at the 1964 spring examinations was inadequate, and it is anticipated that for another two years the same difficulty will be encountered. The co-operation of the faculty, and their tolerance and understanding of our problem, are vitally necessary during this period, while the availability of examination space and student

population grow at different levels.

The Permanent Spring Examination Time Table, in operation in 1965 for the first time, was flawless in all its technicalities. On behalf of the students of 1964-65 and those of future years, I should like to congratulate the authoress, Miss Catherine Ridley.

Academic Standards

In the spring of 1962, the President established an ad hoc committee on Faculty of Arts and Sciences Academic Standards, after being alerted to the fact that one of the programmes was inordinately heavy in comparison to the equivalent programme in other Canadian universities and to other programmes at the same level in our own University. The intent of establishing the Committee was the inspection of all Arts and Sciences programmes in relation to contemporary university education.

In 1963, the Committee made its first report to the Senate, and revisions to Arts and Sciences regulations, effective for the 1963 spring examinations, were made in the areas of examinations, progression within Honours Programmes and requirements for the General B. A. degree.

The immediate application causes some distress to students whose progress to degrees was affected, and the number of petitions to the Academic Standing Committee was abnormally magnified. It is hoped that the number of petitions, and their burden on the Associate Registrar, may decrease in the coming year as the effect of the Senate revisions is assimilated, and further Senate regulations clarify issues of dispute.

The senior personnel of the Office of the Registrar are, ex-officio, on many academic committees of the various Faculties and Schools, and the Senate. Many other committees, on which they do not have representation, consider and make recommendations affecting academic matters in which these people, by virtue of their experience and working knowledge of intricacies of detail, should have a voice. I should like to recommend that the terms of reference of such committees be to consider and state a philosophy and policy, and that smaller sub-committees, which would include representation from this Office, consider and recommend the practical application of the philosophy and policy to the parent committees.

OFFICE OF THE COMPTROLLER

Report of the Comptroller

Mr. R. R. Glover

The figures presented in this summary of the financial operations of Western for the year ended June 30, 1965 are taken from the University's records which have been verified by our Auditors, Clarkson, Gordon and Co.

Revenue

Revenue from all sources totalled \$13,588,352, an increase of 21.55% over the previous year. Revenue from student fees increased materially as a result of the larger enrollment but, expressed as a percentage of total educational and general revenue, it declined from 29.52% in 1963 to 28.66% in 1964-65.

Grants from the Province of Ontario, however, increased in both amount and percentage. The Provincial Grant for Operating and Maintenance purposes was increased by \$1,240,000 to \$3,540,000, of which a net amount of \$3,340,000 was received as a result of a change in the dates of payment. The grant as received represented 28.43% of the year's revenue, an increase from 23.92% in the previous year. In addition, the Special Grant for the Expanded Graduate Studies Programme was continued, and was increased by \$85,000 to \$460,000.

The amount received from the Federal Government was \$1,480,857. This represented a reduction of more than \$33,000 and a reduction per student from \$323 in 1963-64 to \$281 in 1964-65. A further decrease is forecast for 1965-66 because the total number of students is increasing at a faster rate than is the total population on which the grant at \$2 per capita is based.

As before, \$75,000 was applied from the annual grant from the City of London. A like amount was credited to the Capital Funds Account by resolution of the Board of Governors.

Expense

The greatest share of the University's ordinary and general expenditure was for academic instruction, library expense and research, with 83.34% being spent for these purposes. The portion expended for administrative purposes was slightly higher at 3.54% reflecting the increase in administrative work for the larger student body. The percentage for the operation and maintenance of physical plant decreased from 8.53% in 1963-64 to 7.89% in the current year.

Net Result of the Year's Operations

Virtually all segments of the University operated within the budgets allotted for the year and, by practising economies in many ways, a modest operating surplus of \$12,569 resulted. Although the amount was not sufficient to offset the deficit which was incurred in the previous year, it is gratifying to be able to report this degree of progress. Figures for the previous five years are listed here for comparison:

1965	\$12,569.00 surplus
1964	46,894.19 deficit
1963	4,076.89 surplus
1962	2,972.44 surplus
1961	4,432.50 surplus
1960	2,797.15 surplus

Surplus

The accumulated surplus on operations was increased by \$12,569, the excess of revenue over expenses for the year, and now stands at \$34,744.

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 (cents omitted). The figures are presented in the standard format recommended by the Canadian Association of University Business Officers.

Comparative Statements of Revenue and Expense

	1964-65		1963-64	
	<u>Amount</u>	<u>%</u>	<u>Amount</u>	<u>%</u>
<u>Revenue</u>				
<u>Student Academic Fees</u>	<u>\$3,366,822</u>	<u>28.66</u>	<u>\$2,798,253</u>	<u>29.52</u>
<u>Gifts for General and Specific Operating Purposes (other than research)</u>				
Alumni	15,924	.14	12,128	.13
Other Individuals	21,490	.18	24,657	.26
Business and Sundry	<u>20,000</u>	<u>.17</u>	<u>20,400</u>	<u>.21</u>
	<u>57,414</u>	<u>.49</u>	<u>57,185</u>	<u>.60</u>
<u>Receipts from Services to Outside Organizations</u>	<u>383,112</u>	<u>3.26</u>	<u>316,426</u>	<u>3.30</u>
<u>Miscellaneous</u>	<u>32,730</u>	<u>.28</u>	<u>38,052</u>	<u>.40</u>
<u>Endowment Income for General Purposes</u>	<u>142,142</u>	<u>1.21</u>	<u>96,794</u>	<u>1.01</u>
<u>Current Government Grants</u>				
(a) General Purposes				
Federal	1,480,857	12.61	1,514,386	15.80
Provincial	3,340,000	28.43	2,293,750	23.92
Municipal	<u>75,000</u>	<u>.64</u>	<u>75,000</u>	<u>.78</u>
	<u>4,895,857</u>	<u>41.68</u>	<u>3,883,136</u>	<u>40.50</u>
(b) Specific Purposes				
Provincial	<u>654,916</u>	<u>5.58</u>	<u>375,000</u>	<u>3.91</u>
<u>Total Government Grants</u>	<u>\$5,550,773</u>	<u>47.26</u>	<u>\$4,258,136</u>	<u>44.41</u>

(Comparative Statements of Revenue and Expense - continued)

	1964-65		1963-64	
	Amount	%	Amount	%
<u>Revenue - continued</u>				
<u>Sponsored or Assisted</u>				
<u>Research Funds</u>				
Government - Federal	\$ 1,096,697	9.34	\$ 982,700	10.26
Government - Prov.	172,838	1.46	69,046	.72
Individuals	19,998	.16	10,352	.12
Corporations	154,493	1.32	154,401	1.62
Foundations	542,730	4.63	508,145	5.31
Endowments	23,926	.20	40,211	.43
Other	201,641	1.73	225,344	2.30
	<u>2,212,883</u>	<u>18.84</u>	<u>1,990,199</u>	<u>20.76</u>
<u>Net Surplus on</u>				
<u>Ancillary Enterprises</u>	<u>1,304</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>Total Ordinary Revenue</u>	<u>11,747,180</u>	<u>100.00</u>	<u>9,555,045</u>	<u>100.00</u>
<u>Ancillary Enterprises</u>				
Revenue	1,842,476		1,623,793	
Less net surplus as shown above	<u>1,304</u>		<u>-</u>	
	<u>1,841,172</u>		<u>1,623,793</u>	
<u>Total Revenue</u>	<u>\$13,588,352</u>		<u>\$11,178,838</u>	

(Comparative Statements of Revenue and Expense - Continued)

	1964-65		1963-64	
	Amount	%	Amount	%
<u>Expense</u>				
Academic	\$ 6,581,274	57.31	\$5,349,696	56.71
Libraries	776,243	6.76	561,626	5.95
Assisted Research	<u>2,212,883</u>	<u>19.27</u>	<u>1,990,199</u>	<u>21.10</u>
Total Academic, Libraries and Research	9,570,400	83.34	7,901,521	83.76
Administration	406,715	3.54	323,683	3.43
Alumni Affairs, etc.	66,120	.58	35,726	.38
Plant Maintenance	906,081	7.89	803,816	8.53
Scholarships, Bursaries, Prizes	93,600	.81	22,451	.24
Miscellaneous	441,437	3.84	349,688	3.60
Net deficit on Ancillary Enterprises	<u>-</u>	<u>-</u>	<u>5,729</u>	<u>.06</u>
<u>Total Ordinary Expense</u>	<u>11,484,353</u>	<u>100.00</u>	<u>9,432,614</u>	<u>100.00</u>
Extraordinary Operating Expense	<u>250,259</u>		<u>171,813</u>	
<u>Ancillary Enterprises</u> Expense	1,841,172		1,629,522	
Less net deficit			5,729	
	<u>1,841,172</u>		<u>1,623,793</u>	
<u>Total Expense</u>	<u>13,575,784</u>		<u>11,225,732</u>	
<u>Surplus (Deficit) for the year</u>	<u>\$ 12,569</u>		<u>\$ (46,894)</u>	

Research

As heretofore, the Revenue and Expense Statements include the amount applied from research grants-in-aid and from contracts and, as well, the actual expenditures on research during the year. Research activity continued the upward trend which has characterized this phase of the University's activities, reaching a new high of \$2,250,271.58 -- an increase of almost 12% over the preceding year. Comparative figures for the previous five years are as follows:

<u>Years ended June 30</u>	<u>Gross Expenditures for Research</u>
1965	\$2,250,271
1964	2,012,429
1963	1,669,189
1962	1,525,119
1961	1,142,912
1960	986,716

The distribution of the 1964-65 research expenditures within the various Faculties and Schools was as follows:

<u>Faculty, School, etc.</u>	<u>Gross Research Expenditures</u>	<u>% of Total</u>
Faculty of Medicine	\$1,050,796	46.8
Faculty of Arts and Sciences	838,450	37.2
School of Business Administration	128,729	5.7
Museums	101,125	4.5
Faculty of Engineering Science	79,408	3.5
School of Nursing	13,606	.6
Miscellaneous	38,157	1.7
	<u>\$2,250,271</u>	<u>100.0%</u>

Ancillary Enterprises

The activities making up this phase of the University's operations are the Food Services, the Residences, the Book Stores, the Post Office, the Health Services, and Athletics. The revenue from these operations in 1965-66 reached the impressive total of \$1,842,476. It is significant, however, that the net profit on all these activities was a modest

\$1,304 -- reflecting the University's policy of providing these services at as close as practicable to actual cost.

Physical Plant

The growth of Western was nowhere as evident as in the increases to the Physical Plant, with ten building projects under way. Expenditures on capital assets exceeded \$8,500,000 in the year. Following is a summary of the projects completed, in progress, and in the planning stage:

(a) Completed during the year ended June 30, 1965

	<u>Estimated Final Total</u>
Addition to the A. E. Silverwood College of Music Building	\$ 94,000

(b) In progress, but not completed

Medical Sciences Building	5,550,000
Chemistry Building	3,115,000
Additions to the Biological and Geological Sciences Building	2,725,000
Natural Sciences Centre	1,852,000
Talbot College	2,970,000
Rehabilitation of the Physical and Chemical Sciences Building	500,000
Addition to Somerville House	1,786,000
Second Women's Residence	3,900,000
Alumni Hall	<u>2,288,000</u>
Total Commitment	<u>\$24,686,000</u>

On the above buildings, an expenditure of about \$11,356,000 or 46% of the total commitment, had been made to June 30, 1965, with a further \$13,335,000 required to complete the projects. The value of land, buildings, equipment and furnishing at cost reached a total of almost \$38,000,000, with an estimated replacement value of at least \$48,000,000.

(c) Projects for which planning was in progress

	<u>Estimated Commencement Date</u>
Faculty of Dentistry	January 1966
Addition to University College	March 1966
Addition to Stevenson Hall	March 1966
New Library	1967

Financing of the Capital Programme

The Western University Fund, 1963 reached during the year to within 1.5% of the original objective of \$7,200,000, and more than \$4,150,000 of this total has actually been received. The response from the Alumni of the University has indeed been magnificent with at least \$1,000,000 assured from this group. In addition, it is hoped that the increase of \$288,000 in the cost of Alumni Hall may largely be underwritten by the Alumni.

The contribution of the City of London in continuing its annual grant is gratefully acknowledged. For 1964-65 the grant was in the amount of \$150,000; this was divided equally between Capital Funds and the Operating Account. The counties of Middlesex, Huron, Elgin, Bruce, Perth, Oxford and Kent also made grants to Western for capital purposes.

Capital support from the Province of Ontario was received through the sale of the University's Debentures, purchased by the Ontario Universities' Capital Aid Corporation, with principal and interest payments guaranteed by the Province. Capital projects approved by the Department of University Affairs are by this means assured of support to a major extent. The establishment of this method of financing has brought about an orderliness in capital planning and a continuity in construction which has been badly needed for some time.

Student Enrollment

Enrollment statistics normally fall within the realm of the Registrar, but because of the financial implications involved in the current campus explosion, they belong in the Comptroller's province as well, hence the following schedule:

<u>Full-Time Intramural Students</u>	<u>1963-64</u>	<u>1964-65</u>
Faculty of Arts and Sciences	3,426	3,929
Faculty of Medicine	274	281
School of Nursing	201	200
Faculty of Engineering Science	252	274
Faculty of Law	142	139
College of Music	76	84
School of Business Administration	<u>348</u>	<u>367</u>
Total full-time students	<u><u>4,719</u></u>	<u><u>5,274</u></u>
 <u>Part-Time Extramural Students, etc.</u>		
Extension, Correspondence, and Summer School	3,104	3,494
Management Training Course	120	125
Marketing Management Course	99	108
Trois-Pistoles Summer School	<u>146</u>	<u>128</u>
Total part-time students, etc.	<u><u>3,559</u></u>	<u><u>3,855</u></u>

Student Fees

No increase was made in the fee schedules for 1964-65, and no change has been made for 1965-66, although the result may be a substantial deficit, as is forecast in the 1965-66 budget. The report of the Bladen Commission on the Financing of Higher Education in Canada is being awaited, and it may be that certain recommendations contained in it will have an influence on future policy respecting student fees.

Staff Benefits

In order to meet the heavy costs of supplementary retirement annuities which will occur during the next decade as many long-service staff members retire, a provision has again been made, as in previous years, for the funding through the operating accounts of a reasonable portion of the cost. In addition, considerable thought is being given to the most advantageous form of integrating the University's Plan of Retirement Annuities with the Canada Pension Plan.

Conclusion

The University will shortly meet its greatest challenge -- that of providing for a student body of 10,000 or more. The physical plant is rapidly taking shape, but further expansion is still ahead of us. The ancillary enterprises, the services, and the administrative organization are all being expanded and strengthened. The greatest problem of all, that of finding sufficient academic staff, is one which will tax the ingenuity of all of us at Western in the coming years.

FACULTY OF GRADUATE STUDIES

Report of the Dean

Professor R. A. Allen

On the completion of 15 years as Dean of Graduate Studies, and as I retire from that position, it is of interest to me to record the growth of the Faculty during that period. The following statistics show not only a fourfold increase in registration since 1950 but also the phenomenal increase since the recent institution of the Ontario Graduate Fellowship Programme which was designed primarily to support the training of prospective university teachers.

In detail, I would call attention to the enormously increased registration in the Arts and Sciences, particularly the Humanities and Social Sciences, where the need for university teachers is most urgent and where the Fellowship Programme has been most effective.

I would note, too, the recent inauguration of graduate programmes in the divisions of Engineering Science and Nursing. These divisions, having consolidated respectively the Master of Engineering Science and the Master of Science in Nursing (Administration) courses, are now prepared to accept in 1965 candidates for the Ph. D. in Engineering Science and the M. Sc. N. (Education). These new programmes were approved by the Senate on January 29 and June 1, 1965, respectively.

Predictions

In my report for the year 1963-64 I ventured the prediction that in 1964-65 the registration in Graduate Studies would increase from 640 to "well over 700, perhaps 750". The eventual registration of 858 proved this prediction to have been a gross underestimate. An early prediction of 1,000 graduate students in 1965-66 may well turn out to be another underestimate. On June 30 approximately 375 new applications for graduate study in the Arts and Sciences alone had already been approved.

In this connection it should be pointed out that the total registration is determined not only by the number of applications received but

also, in the case of several departments, by limitations of space and staff which make it impossible to accept all qualified applicants.

Fellowships

For the academic year 1963-64, the first year of the Ontario Graduate Fellowship Programme, 113 fellowships were awarded for graduate study at Western. For 1964-65 the number was 200. For 1965-66 the number has risen to 282. As of June 15, 225 had been accepted. In the interval between the submission of the applications and the announcement of the awards, many students had received other fellowships or had committed themselves to positions in teaching or industry.

The number of Summer Supplements to the Ontario Graduate Fellowships approved for the summer of 1965 is 175. These include 97 supplements to fellowships held in 1964-65 and 78 supplements to fellowships to be held in 1965-66. Because of the institution of the system of summer supplements and because of the tendency for more and more graduate students, with or without a supplement, to continue their research on campus during the summer, the faculty now requires all graduate students on campus to register in a formal way early in June.

In June 1965, 336 did so register. The advantage is twofold -- an acceleration of the student's academic programme, and a better utilization of the University's facilities in laboratory and library. In the case of the graduate students in the Medical Sciences and the Natural Sciences this is only giving formal recognition to a practice which has existed for years. In the case of the students in the Humanities and Social Sciences it is a new development.

The large group of Master of Business Administration candidates are not involved because their practical experience in the business world during the summer is considered more important than a 12-month academic year on campus.

Future Development

When one looks to the future development of the faculty, several new factors must be considered.

In a very few years our new Althouse College of Education may introduce graduate courses in Education. The present thinking is that these might profitably provide a combination of advanced work in pedagogy and graduate courses in the academic subject which the student

is teaching or proposes to teach in secondary school, e. g. , English, History, Mathematics.

The new Library School, now in the planning stage, will add its quota of graduate students since, undoubtedly, one of the admission requirements will be a university degree.

The move of the basic Medical Sciences to the Campus and the inauguration of undergraduate Honour courses in Bacteriology, Biochemistry, Biophysics, Physiology, etc. , will surely result in an increase in graduate work in those sciences. Looking further ahead one can envisage graduate study in the Faculty of Dentistry.

It appears that the future Faculty of Graduate Studies will be not only larger in number but also more complex, more varied in its offerings.

Graduates and Undergraduates

It appears probable that in 1965-66 graduate students will form easily one-seventh of the total registration in the University. The likelihood that this proportion of graduate to undergraduate students will continue to rise suggests the need for serious consideration of the relative importance of the two groups in and to the University. The recruitment of teachers for the graduate students will be a continuing and major problem, but at the same time I would urge, strange as this may seem on the part of a graduate dean, that:

1. in the development of graduate study and research, the undergraduate should not be neglected nor even be given reason to feel that he is of secondary importance to his teachers or the University;
2. to this end every professor, however important his research and graduate teaching, should retain some academic contact with the undergraduates;
3. undergraduate classes should be kept as small as is physically and financially possible. Western has long had this tradition and its loss would be a serious penalty of growth; and
4. while quite properly we shall assist graduate students with teaching fellowships, we must not leave the teaching of the undergraduates, and especially the freshmen, predominantly

to young inexperienced instructors. Some practice in teaching is an important part of the training of a graduate student, but care should be taken that, through an excessive use of teaching fellows, we do not expose the freshman to poorer instruction and show him less personal interest than he received in secondary school.

Registration in the Faculty of Graduate Studies

	<u>1950-51</u>	<u>1955-56</u>	<u>1960-61</u>	<u>1963-64</u>	<u>1964-65</u>
Arts and Sciences	99	86	184	350	516
Business Administration	63	109	178	222	257
Engineering Science	-	-	-	13	18
Medical Sciences	44	34	23	48	56
Nursing	-	-	8	10	10
	<u>206</u>	<u>229</u>	<u>393</u>	<u>643</u>	<u>857</u>

Registration 1964-65

Arts and Sciences		516	(350)
Humanities and Social Sciences	332	(223)	
Natural Sciences	185	(127)	
Business Administration		257	(222)
M. B. A. I	135	(127)	
M. B. A. II	120	(92)	
Ph. D.	2	(3)	
Engineering Science		18	(13)
Medical Sciences		56	(48)
Nursing Administration		10	(10)
I	3	(8)	
II	7	(2)	
		<u>857</u>	<u>(643)</u>

Note: Figures in brackets refer to registration in 1963-64.

Registration 1964-1965 by Departments

Humanities and Social Sciences

Classics	4
Economics	26
English	75
French	27
Geography	38
German	6
History	59
Philosophy	23
Physical Education	9
Political Science	11
Psychology	53

331

Natural Sciences

Botany	16
Chemistry	59
Geology	16
Geophysics	12
Mathematics	23
Physics	31
Zoology	28

185

Medical Sciences

Anatomy	8
Bacteriology	2
Biochemistry	15
Biophysics	6
Medical Research	4
Pathological Chemistry	4
Pharmacology	7
Physiology	10

56

Degrees Conferred in October 1964 and June 1965

<u>Doctor of Philosophy</u>	22	(24)
2 Anatomy		
1 Biochemistry		
1 Biophysics		
1 Botany		
1 Business Administration		
7 Chemistry		
1 Mathematics		
3 Physics		
1 Psychology		
4 Zoology		
<u>Master of Arts</u>	91	(30)
1 Classics		
10 Economics		
13 English		
12 French		
2 Geography		
1 German		
13 History		
2 Latin		
8 Mathematics		
3 Mathematics and Computing		
1 Philosophy		
1 Physical Education		
2 Political Science		
22 Psychology		
<u>Master of Business Administration</u>	118	(90)
<u>Master of Engineering Science</u>	2	(2)
<u>Master of Science in Nursing</u>	4	(2)
<u>Master of Science</u>	22	(22)
1 Anatomy		
3 Biochemistry		
1 Biophysics		
2 Geography		
4 Geology		
3 Geophysics		

(Continued)

Degrees Conferred in October 1964 and June 1965 (Continued)Master of Science (Continued)

- 1 Pharmacology
- 3 Physics
- 1 Physiology
- 3 Zoology

Note: Figures in brackets refer to the year 1963-64.

FACULTY OF ARTS AND SCIENCES

Report of the Dean

Professor M. K. Inman

During the academic year 1964-65, a number of noteworthy changes were made in the Arts and Sciences programme. The most significant items included the introduction of new courses and programmes, new regulations regarding aegrotat standing, specific requirements for the General Programme B. A. degree for students who fail to qualify for an Honours B. A., and a revised statement as to what constitutes a 'failed year'. As these matters are set forth in detail in the record of the Senate's proceedings, a brief description only will be attempted in this report.

New Academic Programmes

Nine new Honours Programmes have been instituted, four leading to the B. A. degree (Economics with History, Economics with Mathematics, History and Russian, Philosophy and Mathematics), and five leading to the B. Sc. degree (Anatomy, Bacteriology and Immunology, Biochemistry, Biophysics, Physiology). Those leading to the B. Sc. degree will be offered jointly by the Faculty of Arts and Sciences and the Faculty of Medicine. In general, the former will conduct the first and second years and the latter the third and fourth years of the programmes.

The five joint programmes leading to the B. Sc. degree represent the culmination of negotiations between the two Faculties which commenced in 1961. Fulfillment of the proposals, of course, could not be realized until facilities for teaching basic Medical Sciences had been established on the Campus. This has now become a reality, consequently the programmes will be available to qualified students in the academic year 1965-66.

As Chairman of the committees representing both Faculties, which were entrusted with the task of working out details of the programmes and which met on various occasions during the current year, I want to

express my appreciation of the co-operation I received from all persons directly involved in this joint venture.

Academic Regulations

With regard to the General Programmes, several new regulations were passed during 1964-65. Of these perhaps the most significant have to do with aegrotat standing.

Stipulations involving aegrotat standing have a twofold objective: first, to encourage students to 'face up' to final examinations and, second, to help the Petitions Committee (acting for the Academic Standing Committee) avoid, as far as possible, the difficult task of evaluating documents (certifying ill health or other grounds for compassionate consideration) submitted by students who did not write the final examination.

The rule now governing aegrotat standing reads as follows:

Aegrotat Standing (academic standing without examination) is given only to students in the third and final year of the General Programmes. On compassionate grounds, and with supporting documents, a student may petition the Academic Standing Committee for:

(a) the privilege of writing deferred examinations,

OR

(b) Aegrotat Standing which would be 50% in non-major courses and 60% in major courses.

The deferred examination is also an innovation. In order to have the opportunity of writing a deferred examination, which privilege is granted only on compassionate grounds, a student must obtain through petition the consent of the Academic Standing Committee.

As the new aegrotat standing-deferred examination policy became effective for the first time in the Spring of 1965, it is too soon to determine whether or not this new approach will minimize the usual flood of appeals to the Petitions Committee. But the fact that a student writing a deferred examination does not have a supplemental privilege in that course probably acts as a deterrent to questionable requests for permission to write deferred examinations.

A new rule has been adopted also with reference to supplemental examinations. A student who writes a supplemental examination receives a grade of either "Pass" or "Fail" for the course. According to this stipulation, it is impossible for a student to raise his standing from pass to honours level by writing a supplemental examination. On the other hand, a student writing a deferred examination receives the actual mark assigned by the reader or department concerned.

Modified regulations have been approved regarding the granting of the B. A. degree to students who obtained passing grades but who failed to maintain honours standing in the fourth year of their programme. In the past it has been customary to grant the General Programme B. A. to persons in this category. As honours programmes are highly specialized in content, this practice did not protect the integrity of the General Programme.

In brief, the new policy stipulates that a student must meet the requirements of the General Programme before he is entitled to the degree appropriate to that programme. However, students in honours programmes who pass their courses but do not obtain honours standing in the fourth year may be awarded a B. A. degree without designation. The candidate may write a subsequent examination for an Honours degree. This rule is similar to that pertaining to students in an Honours B. Sc. programme whose academic performance falls below the honours level.

For some time there has been a noteworthy lack of uniformity in the views of University personnel respecting just what constituted a "failed year". This matter has been clarified by a definition approved by the Senate which appears in the 1965-66 edition of the Arts and Sciences Calendar as follows:

A failed year is:

- (a) A normal year in which the student fails to pass at the Spring examinations two-thirds of the courses in which he is registered after the last date for change of programme;
- (b) A repeated year in which, regardless of the programme taken, the student fails to pass all courses at the Spring examinations.

Although the revised regulations governing the choice of courses available to a student in his first year -- a scheme popularly known as the "Common First Year" -- do not become effective until the Fall of 1966, the details of the proposal which has been approved by the Senate were worked out during the current academic year.

In summary, the plan is based on the three recognized areas, or divisions, of study: Humanities, Social Sciences, and Natural Sciences. Of his six courses, the student will be required to select a minimum of three from the area (or division) of his choice, and at least one from each of the others. (He may also choose one course from a miscellaneous group.) There is enough flexibility in the proposal to enable a student who finds himself in the wrong area to switch to one of the others in his second year.

Formulation of New Programmes and Principles

All new academic programmes, new courses and course changes, new and modified academic regulations, and other matters mentioned in this report were very thoroughly studied and eventually approved by an appropriate body before being presented to the Senate for adoption. In addition to numerous special committees, the organizations principally involved in the task of formulating these proposals were the Faculty Council (which held nine meetings during the academic year), the Faculty of Arts and Sciences (four meetings), and the Arts Educational Policy Committee of the Senate (eight meetings).

As Chairman of the Faculty Council and of the Faculty, I take this opportunity to acknowledge my deep indebtedness to members of the Faculty for their contributions, made in the spirit of co-operation, to various projects involving the formation of academic policy. I should like to mention also the invaluable assistance received from representatives of the Affiliated Colleges through the medium of the Arts Educational Policy Committee of the Senate. I regret to report the resignations of two highly regarded members of this Committee, Msgr. L. A. Wemple and Mr. J. A. McIntyre.

Again this year, one of the most important aids to the effective operation of the Dean's department was the weekly meeting with the Principals of the Colleges. With some omissions, these meetings were held on Monday afternoons in the Dean's Office. At each session, problems of mutual concern were discussed frankly and possible solutions considered. In fact, any matter affecting the Arts and Sciences Faculty was deemed to

be a suitable subject for presentation at these weekly sessions. Thus, so far as the Arts and Sciences programme was concerned, the 'Principals' Meeting" acted as a clearing house for ideas pertaining to both administrative and policy problems.

As in previous years, Professor R. L. Allen has done an exceptionally competent piece of work in devising the lecture time table for 1965-66. The amount of time and effort required to set up a lecture time table, especially during this period of rapid expansion, may not be appreciated fully by persons not directly involved in this onerous task. Until the rate of University expansion drastically declines, at least, provision should be made for a Time Table Officer on a full-time basis.

UNIVERSITY COLLEGE OF ARTS AND SCIENCE

Report of the Principal

Professor Robert J. Uffen

University College continued to meet the needs for expansion and change during 1964-65 in many ways. With an undergraduate enrollment of 2,175, a faculty and supporting staff of 447, and an operating budget for instruction and research of over \$3 million, it reached its greatest size. This is considered by many to be too large for the maintenance of the academic atmosphere of a liberal arts college. As was pointed out in my annual report for 1963-64, the building programme for the proposed College of Science is to be completed during the summer of 1965. University College will once again give birth, as it has so often in the past, to another academic unit of The University of Western Ontario.

UWO enrollment is increasing faster than was predicted when the building programme was initiated. One result has been the urgent need for increasing the staff. Effective July 1, 1965, 35 new faculty members have been appointed for University College and 22 for the College of Science. The total teaching and supporting staff will then number 525, distributed as shown in Table I. There were 49 promotions and six study leaves-of-absence. Last year, I drew attention to the probable loss of some of our people to newly-developing universities and colleges. That possibility has apparently become a reality, for there were 27 resignations (21 in University College departments, and six in those of the College of Science).

Dr. M. H. M. MacKinnon resigned as Principal-designate of University College and Head of the Department of English to accept the appointment as Dean of Wellington College in the University of Guelph. After 18 years of service, his departure has been a great loss to The University of Western Ontario. We wish him success in his new post. Dr. A. W. Trueman, former Director of the Canada Council, was appointed to be his successor. Dr. Trueman brings to The University of Western Ontario a wealth of experience at all levels of education and cultural affairs. Dr. J. W. Graham succeeded Dr. MacKinnon as Head of the Department of English.

TABLE I

UNIVERSITY COLLEGE OF ARTS AND THE COLLEGE OF SCIENCE
Distribution of Faculty and Staff, effective July 1, 1965

Department	Senior Profs.	Assoc. Profs.	Assist. Profs.	Lecturers	Instructors	Teaching Fellows & Demonstrs.	Technicians	Secretaries	Others	Totals
<u>University College</u>										
Dean's Office	-	-	-	-	-	-	-	2	-	4
Classics	-	1	2	3	-	1	-	1	-	10
Economics and Sociology	-	3	4	14	3	9	1	2	1	43
German	-	1	1	3	-	2	-	1/2	-	9-1/2
Journalism	-	1	1	4	1	-	-	1/2	-	8-1/2
P. H. E.	-	1	4	6	-	2	-	2	5	25
Secretarial	-	2	1	-	2	-	-	-	4	10
Science	-	6	4	4	6	6	-	2	1	34
English	1	2	4	3	-	4	-	1	-	19
History	1	-	2	2	-	3	-	1	-	13
Philosophy	-	4	4	2	-	4	-	2	-	20
Romance Languages	-	2	4	2	2	4	-	-	-	-
<u>College of Science</u>										
Dean's Office	-	-	-	-	-	-	1	1	-	4
Botany	-	2	6	-	1	12	9	2	6	43
Chemistry	3	1	9	4	-	24	8	6	3	66
Computing	-	1	2	2	2	3	-	2	7	21
Geology	-	4	5	1	-	11	5	2	1	30
Geophysics	-	3	2	-	-	3	3	1	1	14
Mathematics & Astronomy	2	7	11	3	4	8	1	3-1/2	-	45-1/2
Physics	-	4	8	2	-	17	16	3	2	61
Zoology	-	4	5	-	1	14	6	2	2	36
Technical Services	-	-	-	-	-	-	8	-	1	9
TOTALS	7	57	76	53	22	123	58	36-1/2	34	525-1/2

Dr. R. J. Uffen becomes Dean of the College of Science. Professor G. Harold Reavely is promoted to Assistant Dean, but retains his rank as Professor of Geology and will continue to teach his own specialty, petrology. He is succeeded by Professor C. G. Winder as Head of the Geology Department.

Professor F. L. M. Pattison was given leave-of-absence to commence undergraduate studies toward the M. D. degree. We wish him the best of success in this remarkable venture, after such a successful career as Professor of Chemistry and Head of one of our most vigorous departments. He is succeeded by Dr. A. E. Scott who has been promoted to Associate Professor and Acting Head of the Department of Chemistry. Dr. Scott has played an extremely important part in the planning and equipping of the buildings of the College of Science.

Professor B. L. Joseph, Visiting Professor in the Department of English, is moving to California; Professor M. A. Screech, Visiting Senior Professor in the Department of Romance Languages, returns to the University of London; Dr. D. C. Bradley takes up a new post as Professor of Chemistry, Queen Mary College, London; Dr. R. W. Nicholls moves to York University where he will be Professor of Physics and Director of the Centre for Research in Experimental Space Science; Dr. P. R. Robinson becomes Professor and Head of the Department of Philosophy, University of New Brunswick; Professors J. Madden, J. Bruce, K. Duncan, and A. McIntyre are moving to Wellington College of the University of Guelph.

An interesting development was the decision to create a Department of Technical Services, incorporating machine shop, electronic, photographic, and duplicating services. Mr. R. A. Round has been appointed Director and he brings to The University of Western Ontario extensive experience as Officer-in-Charge Technical Services, Royal Canadian Air Force, Clinton.

It is always a pleasure to draw attention to the achievements of members of our faculty. Of special note are: the publication of Professor Eric Atkinson's Translation and Critical Introduction of Acolastus by Gulielmus Gnapheus; The Function of the Critic in Canada Today by Professor A. B. Conron (Heineman 1965); The Economics of Labour-Employment and Wages in Canada by Dr. S. G. Peitchinis (McGraw-Hill, 1965); and the Economics of Health by Dr. J. Madden (the Royal Commission on Health Services, 1965). Even a cursory inspection of the list of publications in Appendix E is sufficient to confirm that Drs. Bradley, de Mayo, Nicholls, Pattison, Dreimanis, Edgar, Forsyth, Brown and Judd were as prolific as ever -- a consequence of their strong research interests and heavy involvement in graduate studies.

Dr. J. B. Stothers and Dr. J. Walker obtained a U. S. Patent (3180823) April 27, 1965, for the "Separation of High Viscosity Index Components from Lube Distillates by Thermal Diffusion". Dr. A. J. Sukava obtained Canadian Patent (704575) March, 1965, for an "Automatic Mould Casting Control Apparatus".

Research activity continued to grow at a remarkable rate, coincident with the deliberate expansion of graduate studies. It has become clear that it is to the graduate schools of the older universities that one must look for future faculty members. Consequently, it is imperative that we maintain strong programmes of graduate instruction and active, real research on the part of the faculty and senior graduate students. Fortunately for Canada, there are several sound schools in the natural sciences distributed across the country, thanks largely to past policies and practices of the National Research Council of Canada.

The time has come, in my opinion, for us to recognize that graduate studies can no longer be financed largely from the grants for research awarded on a merit basis to individual professors who may employ students and technicians but receive no remuneration for this work themselves. Table II is a comparison of direct instructional expenditures and expenditures from research grants, etc. from outside foundations, etc., for the year ending June 30, 1965.

Perusal of Appendix F, "Schedule of Research Funds", will reveal the extent to which individuals contribute in this way. Of special note are: Drs. de Mayo, Brown, Bradley, Beck, Forsyth, Nicholls, Hay, Hart, Kunchur, Stothers, Brannen, Ferguson, Warnoff, and Wonnacott.

Members of the faculty of University College continued to exert great influence on our intellectual and community affairs through active participation in many learned, professional and public societies. May I draw attention to the following items of great interest: Professor W. J. L'Heureux was a member of the Board of Directors of the Canadian Olympic Association; Professor G. L. Reuber was a consultant to the National Council of Economic Research, New Delhi, India, from April to September; he also received the P. S. Ross Award granted by The Business Quarterly; Professor J. L. Wild became a member of the Executive of The Press Institute of Canada; Mrs. B. Seldon was Chairman of the Board of the Victorian Order of Nurses; Professor R. W. Torrens was President of the London Council for Adult Education; Professor F. L. M. Pattison and Professor J. B. Stothers were Visiting Lecturers for the Chemical Institute of Canada; Professor J. F. Hart became Chairman of the Computer Science Association and a member of the National Research Council Grants Selection Committee for Computers; Professor Alexis Dreimanis was made a Fellow of the Geological Society of America and a Fellow of

TABLE II
COMPARISON

Direct Instructional Expenditures and Expenditures from
Research Grants, Contracts, etc. from Outside Foundations, etc.
Year Ending June 30, 1965

Department	Direct Instructional Expenditures	Expenditures re Research - Grants, Contracts, etc.
<u>University College</u>		
General	\$135,175.98	\$ 1,229.59
Classics	67,940.87	400.00
Economics and Sociology	177,847.68	16,823.21
English	164,682.88	1,800.30
German	51,201.07	547.84
History	85,276.82	244.24
Journalism	37,797.46	--
Mathematics and Astronomy	251,054.23	11,873.87
Philosophy	86,129.64	2,137.44
Romance Languages	109,724.07	250.46
Secretarial Science	54,365.78	--
Botany	187,039.84	43,944.33
Chemistry	278,174.65	265,116.06
Geology	151,133.37	22,046.94
Geophysics	50,476.47	52,631.39
Physics	273,229.14	240,167.01
Zoology	201,404.64	68,900.71
Physical Health Education	84,329.20	22,084.45
Computer Science	133,937.06	60,953.16
	<u>\$2,580,920.85</u>	<u>\$811,151.00</u>

the Geological Association of Canada; Professor W. H. Wehlau was made a member of the Canadian National Advisory Committee on Astronomy; Dr. Eric Brannen was appointed a consultant to General Motors Defence Research Laboratories in Santa Barbara, U. S. A.

In May, 1965, the Board of Governors approved additional funds for the provision of closed circuit television for instructional purposes. This will make possible much more efficient teaching in the natural sciences and other academic disciplines. By this means, details of demonstrations will be made completely visible to very large classes in the main amphitheatre of the Natural Sciences Centre and other large classrooms nearby.

Once again, I would like to give credit to all those members of the faculty and supporting staff who devoted the greater part of their time and energies to providing our students with good instruction and in managing our academic affairs. It is the nature of the academic world that these require endless meetings and time-consuming interviews. Hours are spent in grading and criticizing assignments and giving individual instruction to the student in seminars and in laboratories. For these efforts there are no awards, no leaves-of-absence, and rare public acclaim. Having recognized these efforts, I would now, however, like to register a plaint. Why do academics continue to use the expression "my teaching load is six (or eight or ten) hours per week"? This is completely misleading to the public, many of whom are led to believe we work only six hours per week and that we regard our work as a care, a grief, or a burden.

We had a very fine University College Council during 1964-65 and Professor Reavely and I wish to pay special tribute to the energy, initiative, and organizing ability of Mr. John Kime, Prefect, and Miss Linda Abercrombie, Sub-Prefect, with whom it was a real pleasure to co-operate on student government.

Finally, I wish to acknowledge with sincerity, the fine assistance I have received throughout the year from Professor Reavely, who took on very extensive responsibilities in supervising the affairs of University College during this period of rapid expansion.

MIDDLESEX COLLEGE

Report of the Principal

Professor D. G. G. Kerr

In 1964-65 Middlesex College had a student enrollment of 1,378 with 78 full-time and 13 part-time members of the faculty. All offices were occupied, classroom use was high, the language laboratory reached its maximum capacity of about 21,500 laboratory hours, the library reading room had little spare seating during most of the day, and the cafeteria at lunch time was always crowded. Further expansion in the year before Talbot College is opened in the fall of 1966 will have to be on a makeshift and emergency basis.

The most serious actual or foreseeable shortages are in connection with the departments requiring laboratory space. The language laboratory problem will be taken care of by the opening of the new laboratory in Talbot College in a year's time. The problems facing Geography and Psychology cannot be as easily solved.

The difficulty arises from the rapid growth of graduate work encouraged by the Ontario Graduate Support Programme and even more from the rapidly changing nature of these two disciplines, especially Psychology. This latter has, in very recent years, undergone a transformation which many within the university itself perceive only dimly. From being a popular and in some quarters a rather suspect social science, Psychology has moved vigorously in the direction of becoming very largely experimental. It is an appropriate coincidence in this connection that, when the first joint appointment to the Arts and Sciences and the Medical Faculties was arranged during the course of the year, establishing a precedent for others of a similar nature in the future, it was a joint appointment to the Departments of Psychology and Physiology. As compared to the natural and medical sciences, however, Psychology still has a long way to go before its laboratory and equipment needs can begin to be adequately met. In the past year, thanks to the generous co-operation of the Department of Biology, the Collip Laboratory and the Cancer Research Institute, some space additional to that in Middlesex College itself was found on a temporary basis. Even so, it was really not enough for a department in which graduate enrollment has doubled (it included 16 full-time Ph. D. candidates) and where research grants from outside sources have risen remarkably.

Pressures on laboratory space only slightly lesser in degree exist also with regard to the Department of Geography and for similar reasons. Under Dr. Pleva's highly effective leadership for twenty-five years, a landmark recognized by a special ceremony at the time of the Canadian Geographical Association annual meeting this year, the Department has established an enviable record throughout Canada and indeed in the United States and the United Kingdom as well. To maintain its high standards when the emphasis within the discipline is shifting toward more and more experimentation, additional laboratory and map-room space and some quite expensive new equipment will be required very shortly.

In all departments, whether faced with laboratory problems or not, the most difficult task under present circumstances is the retention and the recruitment of faculty. Some ten resignations in the course of the year and 25 appointments indicate the nature and extent of the problem so far as Middlesex College is concerned. Assisting toward a solution of it are such factors as slightly reduced and considerably more flexible teaching loads, greater teaching and secretarial assistance, the university research grants, and the university's obviously rising academic standards and reputation. In addition, however, strenuous recruiting efforts have had to be made by the departments, and particularly by their heads. To be in a position to know where to find new staff, sometimes in dire emergency, heads of colleges and departments along with senior members of staff must now make it a regular practice not only to attend meetings of learned and professional societies, but to visit other universities and keep up a wide correspondence. In this connection, visits to the United Kingdom, as well as within the United States and Canada, have become important.

A purpose similar to such visits is served by bringing to this campus distinguished members of other universities. The visiting lecturer fund created this year, with this among other things in mind, proved one of the most useful innovations of recent times. The visitors it brought to the various departments (and all made good use of it) were a source of stimulus to Faculty and students alike during their time here, and when they went away they took with them a continuing sympathetic interest in our academic progress bound to be of future value.

Other than faculty recruiting purposes are served, of course, by these varying sorts of liaison efforts. In general, they ensure our awareness of developing trends in the different disciplines and enhance our teaching and research. In particular, and in addition to their recruiting value, they are of essential importance in the placement of our graduating and graduate students.

Change and growth, taking place as they must today rapidly and in an atmosphere of chronic shortages, are bound to be accompanied by some

friction. It cannot be claimed that Middlesex College has entirely escaped in this respect. Nevertheless, a look back over the year -- and over the four that lie behind it in the history of Middlesex College -- can only lead to the conclusion that, whatever the difficulties, the eventual result has been the attainment of a substantially higher level of academic achievement. In part, this has been due to the example set by senior scholars, the fruits of whose labours over the years are now being reaped. The appearance this year, for instance, of Professor Klinck's great Literary History of Canada, a landmark in Canadian publishing, is the combination of long effort by him and his numerous collaborators across Canada. The publication of Professor Mayo's Demokratik Teoriye Giris, a Turkish translation of his Introduction to Democratic Theory and his appointment by the Ontario Municipal Affairs Department to be Chief Commissioner for the Niagara Region Local Government Review are widely differing indications of the mature stature and extensive influence he has come to enjoy in the realm of modern democratic ideas and their practical application at all levels. Professor Overton's Burlington Route, a major contribution to American business history and his editing of a special transportation issue of the Business History Review are more than ordinary mileposts in a distinguished career.

The academic leadership of these and other senior scholars has been ably supplemented by the administrative leadership given by the heads of departments who have striven, often at a considerable sacrifice of their own scholarly careers, to create the conditions in which their departments can function most effectively. They have added to their departments as well, as the opportunity arose, new members, some of them carefully chosen senior scholars, the majority well-trained and very able younger ones.

The overall results can be perceived partially in the long list of publications (some of them book-length) that is appended to this report. Less visible, but equally important, are the changes in course content and modifications in instructional methods that have been made in order to remain up-to-date and take care of the rapidly expanding numbers of students at both the undergraduate and graduate levels.

COLLEGE OF MUSIC

Report of the Principal

Professor Clifford von Kuster

There were 86 full-time students enrolled in the College of Music in the 1964-65 term. An additional 55 Arts and Sciences students were registered in credit music courses.

The first year of the new Bachelor of Music programme was offered for the first time this season. Enthusiasm for the programme has been expressed by Faculty members and students, and it is generally acknowledged as being one of the most comprehensive music programmes now offered in this country. In order to live up to the promise implied by our new curriculum it will be necessary, in the years to come, to work unrelentingly at building a truly comprehensive music library of books, scores and recordings, greatly enlarging our collection of instruments, acquiring electronic, acoustical and other equipment and hiring additional full-time staff. It will be necessary, too, to move towards these goals more quickly than we are doing at the moment if we are to fulfil our responsibilities to our present student body.

The problem of physical space grows more acute each year. Because of increasing enrollment and the necessity of providing office space for new members of staff, it is almost certain that by next year freshman enrollment will have to be limited in some way. This presents some special problems. The success of our programme depends in part upon a balanced enrollment. For example, it would be impossible to form a chamber orchestra or any of the various ensembles that are now an integral part of our programme if all or most of our students were pianists. A quota system, therefore, will likely have to be established for the various instruments.

One of the most significant new features of the academic life of the College has been the establishment this year of the Collegium Musicum series of programmes. Fourteen performances by Faculty and student ensembles were given on Tuesdays. The programmes took place at noon for the student body and were repeated in the evening for the public. Capacity audiences attended most of these events. Music presented ranged from Gregorian Chant, music of the Renaissance performed on historical instruments acquired this year by the College, the Polychoral style of the 16th

Century, the symphony before Haydn and Mozart and the "Gebrauchsmusik" of the 20th Century.

Two special events worthy of note were the presentation, in collaboration with the Physics Department, of Mrs. Carleen Hutchins in a lecture-demonstration of the physics of the violin, and the programme of Renaissance and Baroque music for lute, voice and viols presented by Michel Podolski and Christiane van Acker of the Brussels Pro Musica.

An important national development which will provide great impetus for music in Canadian universities was the formation this year of the Canadian Association of University Schools of Music. This association with representatives from fifteen Canadian university music departments met initially in Ottawa in February and held their first annual meeting in June at the University of British Columbia. Professors John McIntosh and Clifford von Kuster attended the sessions.

As in previous years members of the Faculty of the College of Music have been in demand as lecturers, recitalists and adjudicators throughout the country.

Professor Donald McKellar acted as adjudicator at musical festivals in Sault Ste. Marie, Tillsonburg and Sarnia. As first vice-president of the Ontario Music Educators Association he also served as chairman at the Ontario Music Educators Workshop held in Toronto with some 600 secondary school and university music teachers attending. He is also examiner-in-chief of Grade XIII Music for the Department of Education of Ontario, and is a member of the committee currently revising music curriculum and credit requirements for teachers' specialist certificates. He contributed two articles to "The Recorder", official journal of the O. M. E. A.

Professor John McIntosh gave a lecture-demonstration dealing with new choral literature for the Sarnia center of the Royal Canadian College of Organists in September. He arranged and conducted several of the Collegium Musicum concerts including a presentation of concerted organ music of the 17th and 18th centuries. In June he was elected chairman of the London chapter of the Royal Canadian College of Organists, and spent the summer at the University of Rochester where he has started work on a doctoral programme. He contributed an article on "Hindemith's Three Organ Sonatas" for the R. C. C. O. newsletter, Vol. 2, No. 4, and was presented as an organ recitalist in Auburn, New York, in Metropolitan Church and in St. Paul's Cathedral, London.

Professors George Proctor and Clifford von Kuster were presented in a violin and piano sonata recital by the London Chamber Music Society. Dr. Proctor was much in demand as violinist and gambist and his

contribution to the musical life of the College and the community as soloist, as organizer of the Collegium Musicum series and as conductor of the University Chamber Orchestra has been warmly appreciated. It is with regret that I announce that he is leaving next season for the University of Rochester where he has accepted a post in the Faculty of Graduate Studies.

Professor Alfred Rosé gave a paper "Verdi and Shakespeare" at the College in January. He continues to conduct the University Choir, and in March shared with Professor McKellar the duties of conductor at the Sunday Nine O'Clock Concerto Concert when about ten students of the College of Music were presented as soloists with orchestra.

Nearly half the student body took part in the performance of the Mozart "Requiem" with the Cleveland Symphony Orchestra, conducted by Robert Shaw, at the Spring Festival. Professor Earle Terry, conductor of the Conservatory Choir, prepared the students for this valuable musical experience.

FACULTY OF MEDICINE

Report of the Dean

Dr. O. H. Warwick

Although the year 1964-65 has been one of exciting development in Medicine and the allied Health Sciences, it has been saddened by the deaths of three members of staff. Dr. E. G. D. Murray, Guest Professor in the Department of Medical Research since his formal retirement from McGill in 1955, died suddenly July 6, 1964. Until his death, this great bacteriologist had continued to enrich medical knowledge and we shall miss particularly his friendship and wonderful sense of humour. Early in September, Dr. A. J. Grace, Clinical Professor of Surgery, mercifully passed away after a long and trying illness. His contributions to medical education and service to the sick of this community were many and varied, and Archie Grace has won a lasting place in the annals of the Faculty of Medicine and of Western Ontario. Dr. R. G. S. Malone, Assistant Professor of Pathology and Chief Pathologist to St. Joseph's Hospital, died after a short illness in April. This lovable and most competent Irish doctor had, in a short time, won the warm and complete confidence of all his colleagues and it is a tragedy that he should have been struck down in the prime of life. He was only thirty-seven years of age.

On June 19, 1965, Dr. J. B. Collip died after returning from a visit to Western Canada. He was age seventy-two at the time, and with his death there passed from the scene a man of outstanding stature. He had contributed much to the University of Western Ontario, he had given impetus to Canada's growing programme of medical research and his original contributions as a biochemist had won for him world acclaim. The appreciations following this report record in greater measure the life of James Bertram Collip, Dean of the Faculty of Medicine from 1947 to 1961 and Head of the Department of Medical Research from 1947 until his death.

Two of our senior professors have retired this year: Dr. J. H. Fisher, Professor and Head of the Department of Pathology and Dr. H. A. L. Skinner, Professor and Head of the Department of Gross Anatomy. Each of these retirements is noted with regret, for these professors have given long and faithful service to the Faculty of Medicine -- Dr. Fisher for forty-four years and Dr. Skinner for thirty-seven years. Colleagues and former students wish them many years of health and happiness following their formal

retirement. We also extend thanks and good wishes to Dr. W. M. Wilson who, as a part-time Lecturer in the Department of Pathology, has also given many years of service and has reached retirement age this year.

It is a pleasure to record the appointment and promotion of Professor R. J. Rossiter to the highly responsible position of Dean of the Faculty of Graduate Studies. Dr. Rossiter has been Head of the Department of Biochemistry for 18 years and certainly will give the same fine leadership in his new position. We are fortunate that Dr. Rossiter will continue his active interest in research and will remain a Professor in the Department of Biochemistry. The new Head of the Department of Biochemistry is Dr. Harold Stewart who has been a member of this Faculty since 1955.

Replacing Dr. Fisher as Head of the Department of Pathology is Dr. A. C. Wallace, a graduate of this School in 1948 and who, for four years, has been Director of the Cancer Research Laboratory. The latter position has, in turn, been taken by Dr. J. A. McCarter, previously Head of the Department of Biochemistry at Dalhousie University. Dr. M. S. Smout, also a graduate of this School, has become Clinical Professor and Chief Pathologist of Victoria Hospital. The position of Chief Pathologist at St. Joseph's Hospital made vacant by the death of Dr. Malone is being taken by Dr. Douglas Mills, a Western graduate of 1948. Dr. E. J. Penikett, previously Professor of Bacteriology at the University of Alberta, becomes Clinical Professor of Bacteriology and Immunology and Chief of the Department of Clinical Microbiology at Victoria Hospital.

The Senate of the University has given its approval to establishing a School of Dentistry at this University and we welcome as a colleague Dr. Wesley J. Dunn, who on February 1 took up residence as the first Dean of the Faculty. The Royal Commission on Health Services made particular reference to the shortage of dentists in Canada and recommended the early construction of two new schools. Western's School will be an integral part of the Health Sciences Centre. Admission standards will be the same for both medical and dental students and the first two years of basic science within the respective professional courses will have much in common.

Curriculum changes were instituted last year beginning with the first year of our four-year course. This year saw the new second year curriculum put into effect. In the academic year 1965-66 the new third and fourth year programmes will simultaneously be brought into effect.

This year has witnessed a significant growth in the activities of the Medical Division of Graduate Studies, with 56 students enrolled in programmes leading to the M. Sc. or Ph. D. in the basic medical sciences. There were 84 registrations in the fourteen courses offered by the Medical Division or its constituent departments.

An important forward step was taken this year by Council of the Faculty when it recommended that residency training programmes in the clinical and laboratory departments of the Faculty of Medicine be co-ordinated and that the Heads of the respective departments be designated as the co-ordinators of these programmes. The Royal College of Physicians and Surgeons heretofore has vested in hospitals approval of programmes for residency training leading to Certification or Fellowship. In the future it would seem that the College may approve university co-ordinated programmes as conducted within its various teaching hospitals in addition to the specific programme of individual hospitals. In smaller medical centres such as ours the co-ordination of graduate training is necessary if it is to be most effective.

It was our privilege last autumn to be hosts to representatives of the Association of Canadian Medical Colleges and the administrators of Canada's teaching hospitals. The special topic of discussion was "Continuing Education". Under Dr. Douglas Bocking's leadership our own programme has made definite progress, but much still remains to be done if we are to meet our responsibilities to the practising physicians of Western Ontario.

The Honours Programmes mentioned in last year's report have received approval by the Faculty of Arts and Sciences and by the Senate. We shall be prepared to accept, in the autumn of 1966, students taking the third year of their programme in Anatomy, Bacteriology and Immunology, Biochemistry, Biophysics, Physiology and Pharmacology.

A committee of Faculty chaired by Professor M. G. P. Cameron, Head of the Department of Physical Medicine and Rehabilitation, has made recommendations concerning the establishment of courses leading to a Bachelor of Science degree in Medical Rehabilitation. These courses have been designed initially for students wishing to become physiotherapists and occupational therapists. Council of the Faculty has approved the recommendations which, this coming year, will be presented to Senate for approval. Facilities for the special training required will eventually be housed in the Health Sciences Centre to be completed by 1970. Meanwhile, other facilities adjacent to the Campus will be used.

Several years ago the Council of the Faculty of Medicine recommended that we should make a definite effort to affiliate with some medical school in a developing country with the thought that such an arrangement would be mutually beneficial from an educational standpoint. A committee has since considered this matter and, in February 1965, Dr. John McKim and Dr. Peter Rechnitzer visited five selected medical schools in India. Assistance for this visit was given by the Tippet Foundation. It was the opinion of our representatives that further discussions might be held with the DHANTVARI Medical School in Pondicherry. The Dean of that school

has been invited to pay us a visit.

As a further expression of its desire to give assistance to medical education in developing countries, Council of the Faculty this year recommended that two places in our entering classes of 75 be held for foreign students receiving assistance from Canadian Aid programmes.

Reference was made in last year's report to the main recommendations of the Royal Commission on Health Services. Special emphasis had been placed upon the training of health personnel. In October 1964 the Premier of Ontario declared his Government's intent to give adequate financial support for the construction of facilities for teaching students in the health sciences. On June 4, 1964 the London Health Association presented a brief to the Provincial Government requesting permission to build a 400-bed teaching hospital adjoining the new Medical Sciences building. Formal approval has been received and preliminary planning is underway. It is anticipated that construction will be completed by 1970 at the latest.

Certainly, major changes are taking place at this University in respect to the teaching of personnel for the Health Sciences. To retain our present excellent staff and to recruit the additional teachers required will be our major task. Modern facilities will help us to achieve all that we hope to do in the next decade. The School of Nursing, Cancer Research Laboratory, Medical Sciences Building, Dental School, Teaching Hospital and Clinical Science facility comprising the Health Sciences Centre will, when completed, be a building of some magnitude, the total floor areas amounting to over 20 acres.

Appreciations of James Bertram Collip: 1892-1965Dr. G. Edward Hall:

"James Bertram Collip, who died on June 19, 1965, was without question one of Canada's greatest and most illustrious medical scientists. His modesty, his inherent shyness, and his reluctance to be a public figure have for more than 40 years kept him out of the general limelight, but in medical and scientific circles in Canada and throughout the world the name of Collip was synonymous with major medical discoveries and scientific achievements.

"The vitamins, liver therapy, hormones, the chemotherapeutic agents, the antibiotics, vaccines and sera -- their discovery and their use have saved millions of lives and increased the life span of many millions more. And standing high among the giants who made these major advances is J. B. Collip.

"Diabetes was controlled and life was given to hundreds of thousands of diabetics when insulin was discovered in 1921 and was patented for use throughout the world. Rarely does a scientist make more than one major contribution, but Collip had just begun. His parathormone from the parathyroid glands, several effective extracts from the pituitary glands, and emmenin and premarin -- valuable sex hormones, were given to the world by the still young Collip during the years 1924 to 1940. And it was he who first described the adrenocorticotrophic hormone (ACTH) which was to have its significant place in medicine.

"But teachers and scientists are known as well for the men whom they produce, and one finds throughout the world professors of biochemistry, of physiology, and of endocrinology who studied under Collip and were stimulated by him.

"Honoured by many universities and numerous international scientific and medical societies, and holder of the highest positions within many of those organizations, Dr. Collip bore these tributes with discerning modesty and was as respected and admired as a person as he was heralded as a scientist. "

Dr. O. H. Warwick:

"A skilled biochemist, a bold explorer among the tangled complexities of the internal secretions... ' so said the President of Harvard when that great university, on the occasion of its tercentenary celebration, honoured James Bertram Collip with the degree of Doctor of Science. That was in 1936 and the man so honoured had still ahead of him almost 30 years of richly productive life as a medical scientist and administrator.

"Anyone not intimately associated with Dr. Collip during his most active years can not properly pay tribute to a man of his stature. Fortunately, a close colleague and friend of McGill days has already done so. I refer to the very fine appreciation written by the late Dr. David L. Thompson in the special (November 1957) issue of the Canadian Journal of Physiology and Biochemistry dedicated to Dr. Collip. Here is drawn in inimitable style a picture of the life so well known to friends and students, indeed to all who knew Bert Collip.

"Boyhood days in Belleville were followed by the years at the University of Toronto and marriage to his beloved Ray. He received his Ph. D. in 1916 and was then invited to the University of Alberta where his biochemical talents blossomed and were recognized. Fate decreed that he would not take up a Rockefeller Travelling Fellowship to Britain in 1921 as planned but would instead accept the invitation of Dr. J. J. R. McLeod to join in the experiments of Banting and Best. His brilliant success in purifying insulin to the point where it could be used in humans is well known -- and will never be forgotten.

"Those who had come to know him were certain that his return to Edmonton as Head of the Department of Biochemistry would be followed by further achievement. In 1926 he obtained his medical degree, no mean feat considering the many other responsibilities he was carrying at the same time. In 1927 his isolation of the parathyroid hormone made clear for the first time the true significance of the parathyroid glands in calcium metabolism.

"To be invited to McGill in 1928 as Head of the Department of Biochemistry succeeding Professor A. B. Macallum was a great honour for so young a man. He was then only 35. The good years at McGill to which he often referred, produced, in abundance, new information about the trophic hormones of the pituitary and estrogens from the placentas -- almost 200 papers in the first 10 years. It was in Montreal too that his three children, Margaret, Barbara and Jack, were schooled and grew to maturity.

"The war years were hard and, of course, distracting. When Banting died in 1941 Dr. Collip became Chairman of the National Research

Council's Associate Committee on Medical Research, later reorganized as the Division of Medical Research. In this position, ably assisted by Dr. Harold Ettinger, he gave leadership to Canada's growing medical research programme over a period of 16 years.

"In 1947 he accepted the invitation to become Dean of the Faculty of Medicine and Professor and Head of the Department of Medical Research at the University of Western Ontario. With him came Dr. R. L. Noble and, as might be expected, the Collip Laboratory on the campus was soon a hive of activity. From this group came new discoveries of both a continuing and a different kind, and an array of graduate students who have carried on in the spirit and tradition of the master.

"While at Western Dr. Collip made many new friends. There was always something to command his attention and direction whether related to research or to the many problems of a rapidly growing medical school. He believed that strong basic medical science departments were essential to the school's further development and we, at Western, are grateful for the success he achieved in this regard.

"It is not surprising that Dr. Collip received many honours and awards. He was proud of each of his honorary degrees whether from Harvard, London, Oxford or Canadian universities. He was particularly proud of his Fellowship in the Royal Society, his C. B. E., his F. N. G. Starr Award, and his U. S. Medal of Freedom Silver Palm, given in recognition of wartime efforts as Honorary Colonel in the R. C. A. M. C., when he helped to integrate U. S. and Canadian medical research.

"And what of the man himself? I was a medical student at McGill when I first met him. Dr. Best was to be the guest speaker at a student event and Dr. Collip and I drove to meet him at Windsor station. I can remember being just a little disturbed by his aggressive way of driving but as I came to learn later, aggressiveness and restlessness were two of his markable characteristics -- to get done what was at hand and to get on with the next task. David Thompson expressed it differently: 'a power of plunging straight to the heart of each new problem and an almost intuitive gift for finding the least resistant path through intricacies.'

"Western's medical students soon became aware of his pace of life, noting that after he stepped into his car the acceleration from zero to cruising speed was, to say the least, remarkable. In fairness it should be added that he was a good driver with an accident-free record. At Tachycardia, the students' annual lampoon of staff, the departure of the Dean from any situation was represented simply by the roar of a motor and the crash of gravel flying against a wall.

"Yet those who knew him well realized that he had humility and kindness in abundance. Publicity of any kind embarrassed him; even to lecture embarrassed him and he laughingly claimed ineptitude as a speaker in any setting although this was not true. Some will remember his talk at the special meeting of Toronto's Academy of Medicine in 1962 commemorating the discovery of insulin. On this occasion after giving his prepared address he carried on for another half-hour with a most enjoyable recounting of the early days. Then, in haste to get back to the safety of his seat, he leaped away from the lectern to which he was still attached by his chest microphone.

"Examples of Dr. Collip's kindness are not difficult to recall. Two might be mentioned. When Dr. E. G. D. Murray retired from McGill, Dr. Collip invited him to become Guest Professor in his Department at Western. This was a happy arrangement quite aside from their close friendship because Dr. Murray continued to do excellent and fruitful research until his sudden death a year ago.

"The night before Banting's ill-fated trip to Britain he called Dr. Collip's home in Montreal. Upon hearing that he was going to Britain Dr. Collip immediately asked whether there was anything he needed. There was. He had no warm gloves. In haste, one of the girls sewed up the open finger-ends of the warmest pair of sheep-skins to be found in the Collip household. Dr. Collip himself delivered them to the hotel where the two men had their last chat.

"When James Bertram Collip died on June 19, 1965 there passed from the scene a man deeply devoted to the cause of medicine, but more than this -- a loved husband and father, a friend to many and a doctor who enriched medical science and the welfare of all people. "

SCHOOL OF NURSING

Report of the Dean

Professor R. Catherine Aikin

During the year 1964-65, two major decisions were reached. In April, the Senate approved the recommendation that the School of Nursing offer a four-year basic programme in nursing, leading to the degree, Bachelor of Science in Nursing. In May, the Senate approved the recommendation that a graduate programme in nursing education be offered, leading to the degree, Master of Science in Nursing (Education).

The new basic nursing programme will replace the former programme where students enrolled in the Faculty of Arts and Sciences for one year, left the University for a period of two to three years while completing a nursing programme in a hospital school, and then returned to the University for one year. The proposed programme will be offered commencing September 1966 and all courses, including nursing, will be offered by the University. This will necessitate a marked increase in faculty, improvement in library holdings, and increased physical facilities. It is hoped that sufficient space may be provided within the University Hospital, otherwise an addition to the present building may be necessary.

This past year, the W. K. Kellogg Foundation continued to support the M. Sc. N. programme for a sixth year. Evidence has been increasing that there is a need in Canada for better prepared nursing teachers, as well as nursing administrators. After several months of study, this new graduate programme was evolved and it is foreseen to be of considerable merit for the nursing profession .

Other programmes for graduate registered nurses are gradually changing and a committee has been established to make recommendations regarding the numbers and types of programmes this School of Nursing should offer.

Because of the improved standard of admissions to nursing, a slight decrease in enrollment to diploma programmes has taken place. There is, however, a noticeable increase in enrollment to degree programmes.

The third Seminar for Senior Nursing Executives was held in

June 1965. Forty-seven nursing administrators attended from many areas across Canada. This programme was extremely well received, and we have many requests to offer more seminars.

The Faculty is continuing to write cases and add these to the School's collection. This past year, a small committee reviewed every case, re-edited it, and prepared master copies to facilitate reproduction. The Faculty will welcome a University Press, so that these cases can be marketed for other university schools of nursing.

Three more nurses joined the Faculty this year -- Miss Thelma Potter, Miss Carolyn Dauk and Miss Audrey Klein. Miss Shirley Good was granted two years' leave of absence to begin doctoral studies and Miss Louise Brown was granted six months' leave of absence to complete studies for a Master's degree.

The Faculty continues to be very active in nursing and other associations. This appears to be important, not only because a greater contribution can be made to the profession and to the community, but also because the Faculty can be better informed of the many changes which are taking place in the health fields.

The School of Nursing has welcomed the opportunity to assist with the planning of the new University Hospital. Miss Carolyn Dauk has been asked to assume a major responsibility in this regard and to assist in this undertaking she visited several university teaching hospitals and other centres where newer ideas are being implemented. It is recognized that a special opportunity is presented to plan for a hospital that can be built and organized to give excellent care to patients and provide opportunity for better teaching and much needed nursing research. Every effort will be made to assist in achieving these goals.

Many health agencies and other university faculties contribute to the programmes of the School of Nursing. We wish to express our appreciation for the very fine co-operation we receive on all occasions.

FACULTY OF DENTISTRY

Report of the Dean

Dr. Wesley J. Dunn

This submission marks the first occasion on which the almost embryonic Faculty of Dentistry adds its voice to those of the other members of the academic family of which it has recently become a part. As in the human family where the older and more mature members generally accept with tolerant understanding and not infrequently, bemusement, the inexperienced yet pervasively confident offerings of its adolescents, perhaps the other divisions of Western's academic community can be persuaded to view with similar empathy these first somewhat tentative contributions of its youngest division.

Historical Development

On October 29, 1964, the Honourable John P. Robarts, Prime Minister of Ontario, announced that, as a result of a thorough study of medical and dental teaching facilities, the Government of Ontario had approved four major projects. One of these was the development of a Faculty of Dentistry at The University of Western Ontario to operate in conjunction with the present Faculty of Medicine within a Health Sciences Centre. On November 20, the University's Board of Governors officially established the Faculty of Dentistry, effective January 1, 1965 and at the same meeting appointed the Dean, such appointment being effective from February 1, 1965. Thus, a long awaited parturition was experienced following a period of gestation which extended over a span of almost 20 years.

As early as October 1947 the Board of Governors of The University of Western Ontario had approved in principle the eventual development of a Faculty of Dentistry and in 1949 the Canadian Dental Association and the Royal College of Dental Surgeons of Ontario had endorsed such establishment. In 1950, however, it became obvious that there was a need to expand the facilities then in operation in the province and the Board of Directors of the College accordingly recommended the creation of new and expanded premises for the Faculty of Dentistry of

the University of Toronto. This project was completed in 1959.

With the efforts expended in respect to the Toronto programme having been suitably rewarded, once more attention was directed toward the establishment of a second dental school for the province. In 1962, following discussions with the Honourable M. B. Dymond, Minister of Health, the Board of Directors of the Royal College of Dental Surgeons accepted the assignment of recommending to the Government a suitable dental school location. The Board thereupon commissioned Dr. A. C. Lewis, formerly Dean of the Ontario College of Education at Toronto and Consultant in Education to the Canadian Dental Association, to prepare a report.

In November 1962 the Lewis Report was approved by the Board and almost immediately forwarded to the Minister. The report recommended that the new school be located at McMaster University provided that a medical school be established there simultaneously, and, in the event that that recommendation could not be fulfilled, the new school be located at The University of Western Ontario.¹

As the College of Physicians and Surgeons of Ontario had been concerning itself with the creation of a fifth faculty of medicine in Ontario and as McMaster University appeared to enjoy a position of priority in respect of its possible location, it was suggested by the Minister that the two licensing authorities could work together on this matter. If it were determined that McMaster should not be recommended as the site of the proposed faculty of medicine, or if the establishment of a medical school in Hamilton could not be achieved in a reasonably short period of time, then independently the Royal College of Dental Surgeons could proceed to work toward the establishment of the dental school at Western. In time, it was this latter procedure which was followed.

On February 14, 1964, the Board of Directors of the RCDS was apprised of the results of a visit with the Chairman of the Board of Governors and the President of The University of Western Ontario by a deputation representing the profession. The representatives of the University informed the deputation and subsequently the Minister of Health that the University would be most responsive to a request to establish a

¹A. Clifford Lewis, A Report Presented to the Board of Directors of the Royal College of Dental Surgeons of Ontario, November 1962, "A Second Dental School for Ontario". Proceedings of the Royal College of Dental Surgeons of Ontario, 1962-63, p. 70.

Faculty of Dentistry providing the Ontario Government would supply the capital funds and guarantee the necessary operating costs.

Accordingly, on February 17, 1964 a proposal was laid before the Minister of Health by the RCDS Board recommending the earliest possible action to create a Faculty of Dentistry at The University of Western Ontario. Some six reasons were advanced at the time in support of the proposal:²

1. There is an existing Faculty of Medicine with a highly competent staff. As a functioning Faculty of Medicine is mandatory before creating a Faculty of Dentistry and as it would take some time to develop a similarly-qualified medical teaching staff in a university which does not at present include a Faculty of Medicine, the opportunity for earlier commencement at Western is obvious.
2. There is a voluminous Medical Sciences Library at Western much of which is necessary to a Faculty of Dentistry. Again, in a university not at present providing a medical course, not only would it be necessary to develop a library for subjects generally regarded to be within the exclusive purview of dentistry, but it would be required to create a medical library as well.
3. The building programme now advancing within The University of Western Ontario has been so planned that the incorporation of a Faculty of Dentistry could be achieved with minimal inconvenience and with the maximum saving of time. In fact, if government were to provide early approval, the first class of dental students could be graduated from Western in the Spring of 1969. By the most optimistic calculations it would not be possible to graduate a class in dentistry from any University which does not at present have a faculty of medicine until at least 1972. The burgeoning population of the province demands the earliest possible acquisition of a greater number of dental practitioners.
4. There are established ideal working relationships between the University of Western Ontario and all the major

²Proceedings of the Royal College of Dental Surgeons of Ontario, 1963-64, p. 56.

hospitals in the area. The opportunity for clinical material for a Faculty of Dentistry both on an in-patient and an out-patient basis already exists. Such agreements would, perforce, have to be negotiated in any area where there is no operable medical school.

5. An extensive school dental programme is in operation in London and full co-operation in the provision of patients for clinical material is assured.
6. The existence of a dental faculty within a geographic area tends to draw a greater number of applicants from that area. It is known that the smaller centres are more likely to acquire practitioners from among students who have been recruited from similarly-sized communities. The western aspect of Ontario requires more dentists and there is every likelihood that the smaller towns and cities of Western Ontario would experience a significantly improved patient-dentist ratio if the second Faculty of Dentistry is located in London.

Growth Potential in London and at UWO

The City of London and the University are both experiencing an almost explosive growth. Currently the population increase in London is approximately 33 per cent per decade. Retail sales in London now exceed \$252 million each year and capital sales are 49 per cent above the national average. London is, unquestionably, the commercial, industrial, and financial capital of Western Ontario.

The University of Western Ontario doubled in size between 1945 and 1953. It doubled again between 1953 and 1961 and will double, once more, to 9,000 by 1967 or 1968. By 1970-71 the estimated full-time university population will approximate 11,500 students.

Dentists Needed in Western Ontario

The need for more dentists in Western Ontario is acute. In 1964 the patient-dentist ratio in Ontario was 2,462:1 -- a ratio which each year has continued to worsen. By 1980, had no additional dental school facilities been created but the existing school continued to graduate maximum classes, the ratio would have been at least 2,821:1. In 1920, Ontario exhibited a ratio of 1,901 people to each dentist. The ever-worsening patient-dentist ratio coupled with significantly increasing

demands for dental care services are combining to create a problem of some magnitude.

The inequalities of distribution of dentists further aggravate the dental manpower problem.³ The County of Middlesex in which London is located had in 1964 a ratio of 2,354:1, slightly better than the provincial average. But the other counties of Western Ontario of which London is the metropolitan centre did not fare as well. Elgin's ratio was 3,300:1, Oxford's 3,419:1, Norfolk's 3,926:1, Kent's 3,507:1, and Lambton's 3,677:1. The Grey-Bruce-Dufferin areas are equally as lacking in dentists and Huron County exhibited in 1964 a ratio of 5,612 people for every dentist in the county.

Even to maintain the present provincial ratio of 2,462:1 to 1980 an additional 500 graduates beyond the present capacity to provide of the Faculty of Dentistry of The University of Toronto will be required. Thus, it is none too soon that the creation of Western's dental school has taken place.

Faculty Organization

While it is optimistically hoped that a reasonable number of our graduates will be motivated and academically prepared to undertake graduate and post-graduate education, thus enabling them to pursue careers in teaching and research or in specialty practice, it is likely that the majority will proceed from graduation to general practice. Because the Faculty of Dentistry of The University of Western Ontario will tend to serve the southwestern aspects of Ontario it is likely that many of its general practitioner-graduates will locate in communities where specialty resources are limited. It will therefore be necessary that the product of this institution is able to render effectively and competently a broad spectrum of dental services.

It is hoped that a graduate of this school, when care is sought for a child or when a patient presents himself exhibiting some periodontal involvement, endodontic problem or requesting an extraction, will not automatically feel it incumbent on himself to attempt to refer the patient for specialty attention at least until such time as he has assured himself that it would be in the interest of the patient to make such a referral. The number of specialists now available and even the number which we

³Proceedings of the Royal College of Dental Surgeons of Ontario, 1963-64, p. 76.

shall likely have in the foreseeable future are too few to be regularly engaged in providing attentions which should be the responsibility of the competent general practitioner.

Accordingly, this view has been one of the philosophical bases upon which certain preliminary organizational decisions have been made, in respect of undergraduate education. Departmentalization in the usual sense is being de-emphasized. Apart from the six Basic Science disciplines, Anatomy, Bacteriology, Biochemistry, Pathology, Pharmacology, and Physiology, which in our developing Health Sciences Centre will be common to the Faculties of Medicine and Dentistry, only five departments are at present being considered:

1. Department of Restorative Dentistry - to include operative dentistry, fixed and removable prosthodontics, ceramics, endodontics, and dental morphology. A metallurgical and dental materials research laboratory would form a part of this department.
2. Department of Oral Medicine - to include oral diagnosis, dental radiology, and periodontics. It is hoped that the Chairman of this department might be appointed Chief of the Department of Dentistry in the new University teaching hospital.
3. Department of Oral Surgery - to include anaesthesia both local and general.
4. Department of Paediatric Dentistry - to include paedodontics and orthodontics.
5. Department of Social Dentistry - to include preventive dentistry, public health, epidemiology, ethics, jurisprudence, history of dentistry, practice administration including employment of auxiliaries and any course which has as its purpose the inculcation in students of dentistry of the concept that they are integral parts of society and have, thereby, obligations and responsibilities in respect of it. This Faculty will not be successful unless and until its graduates exhibit a well-developed sense of social consciousness.

Treatment in the Faculty clinics will be "patient-centred" and it is intended that through lesser departmentalization including the clinical areas we shall work toward that goal. A cubicle-type main clinic has been specified -- one which affords ease of supervision yet

provides patient privacy. Cubicles will be sufficiently large to accommodate a dental assistant as well. Except for oral surgery and radiography the student will serve, within the cubicle to which he has been assigned, all his patients -- the young, the middle-aged, the old, the edentulous, the semi-edentulous, and those in possession of all their teeth. While this arrangement will undoubtedly require some mental gymnastics in time table development, the effort, it is hoped, will be worth it.

Various Faculty committees will be created as the need for them arises -- Curriculum, Admissions, Scholarships and Awards, Research, Hospital Services, etc. These committees will be elected by the Faculty members themselves and will operate on the basis of terms of reference approved by the Faculty. The committees will report periodically to the Faculty Council where opportunity will be provided for full discussion and consideration before suggested matters become Faculty policy. Where course content, calendar changes and the like are under review, proposals respecting them must, of course, receive the approbation of the University Senate.

Staff

On February 15, 1965, the first recommendation concerning staff was made to the President of the University. It was suggested that there should be one department in each of the Basic Medical Science disciplines, but that there should be cross-appointments within the Faculties of Medicine and Dentistry. By such an arrangement the Announcement of the Faculty of Dentistry would list as departments in the faculty the respective Basic Science disciplines with the names of the Heads of the departments and any other within the departments whom the Heads would provide appearing as the academic staff responsible for the teaching of dental students. The President concurred in the recommendations made and following presentation to the Board of Governors immediately effected the appointments of the six Basic Science Heads.

Thus it is a pleasure to report that the following have accepted appointments in the Faculty of Dentistry:

1. Murray L. Barr, B. A. , M. Sc. , M. D. , LL. D. ,
Professor and Head, Department of Anatomy
2. Charles W. Gowdey, B. A. , M. Sc. , D. Phil. ,
Professor and Head, Department of Pharmacology

3. Robert G. E. Murray, M. A. , M. D. C. M. ,
Professor and Head, Department of Bacteriology and
Immunology
4. James A. F. Stevenson, M. A. , M. D. C. M. ,
Professor and Head, Department of Physiology
5. Harold B. Stewart, M. D. , Ph. D. ,
Professor and Head, Department of Biochemistry
6. A. Cameron Wallace, B. A. , M. D.
Professor and Head, Department of Pathology

It is gratifying to report, as well, that the development of this Faculty has precipitated several applications for faculty appointments. By the end of June, 26 applications had been received for appointment to the academic staff and four to the non-academic.

If it is possible, at all, to characterize the kind of person that we hope may be attracted to this Faculty, the two words "co-operative individualist" would, perhaps, best describe him. By this is meant that he has the ability to be creative, is energetic and resourceful, is willing to assume personal responsibility for his area of particular interest, and yet, when policies relating to the Faculty have been thoughtfully and democratically arrived at, is prepared to join ranks and co-operate with other members of the staff to the end that the best possible programme may eventuate. Undoubtedly the quality of staff will be the most significant factor in the development of a creditable institution.

Admission Requirements

Admission to the Faculty of Dentistry will be based primarily on academic ability and personal qualities as evidenced by pre-dental scholastic records, aptitude tests, and personal interviews. Because facilities for pre-clinical and clinical instruction will be limited, it will be necessary to restrict enrollment to those who, in the opinion of the Faculty, are best qualified to meet the demands of the curriculum and most likely to be able to successfully complete the course of study. The presentation of the minimum requirements for admission cannot be regarded as assurance that the applicant will necessarily be accepted.

On the basis of admission requirements which are at present applicable, an Ontario Grade 13 student who intends to study Dentistry at The University of Western Ontario should apply for admission to the first year of General Programme 1 (Science) offered in the Faculty of Arts and

Sciences. His Grade 13 programme must include English, a language other than English, Chemistry, Physics, Algebra, Geometry and one of Trigonometry, Botany, or Zoology.

From the first year of General Programme 1, he may proceed to either (a) the second year of a four-year Honours Programme leading to the B. Sc. degree, or (b) the second year of some four-year Honours Programme leading to the B. A. degree, or (c) the second year of the three-year General Programme 1 (Science) leading to the B. A. degree.

In their choice of options for the second year, students will be urged not to anticipate dental school courses. Rather, they should seek to obtain a broad general background of education in keeping with their own interests.

Students who have completed a B. A. or B. Sc. or the equivalent pre-professional programme described above at another university are eligible to apply for admission to the first year in the Faculty of Dentistry.

Perhaps a general statement should be made because of the two-year "pre-dental" requirement following Ontario Grade 13. This is a departure as far as Ontario is concerned, but is not precedental in Canada.

Plans in the University are well advanced toward the establishment of a Health Sciences Centre. The new Medical Sciences Building, adjoining the Cancer Research Laboratory and the School of Nursing, will soon be ready for occupancy. Efforts are at present being made which, by the fall of 1967 and 1970, respectively, should result in a Dental Sciences Building and a University Teaching Hospital. The first year of a four-year programme in dentistry will be offered, in temporary accommodation, to a small pilot class of eight students in September 1966.

It is of the utmost importance that within this Health Sciences Centre every opportunity should be seized to inculcate in embryo physicians and dentists the fact that they are part of a health team, each contributing to the health needs of the community. Medical and dental students should experience comparable pre-professional programmes to equip them to undertake the demands placed on them in the Basic Science areas. The depth of teaching in these disciplines should be comparable notwithstanding that there will be systematic areas in respect of dental students to which either greater or lesser emphasis will be given.

Admission criteria for the Faculty of Dentistry have been

carefully considered by an informal committee, acting under the chairmanship of the writer, composed of the Dean and Assistant Dean of the Faculty of Medicine and the Professors and Heads of the Departments of Anatomy, Pharmacology, Bacteriology, Physiology, Biochemistry, and Pathology. It was a unanimously and strongly held view later concurred in by the Senate that, inasmuch as course content in the Basic Sciences would be comparable vis à vis medical and dental students, the academic preparation of dental students should be comparable to that of medical students. Should the academic preparation of dental students be inadequate it then follows that the Basic Science Departments would be required to temporize their courses for dental students -- a condition which would be most inimical to the quality of programme we intend to pursue. It is hoped, too, that from the graduates of the Faculty of Dentistry will come individuals both motivated and academically prepared to proceed to graduate work and research in Basic Science disciplines and for these people adequate academic preparation and a strong Basic Science training are important.

Projected Enrollment

The following projected enrollment figures are employed as the basis for the physical requirements of the Dental Sciences Building:

1. Undergraduate class size in dentistry = 52
2. Total dental students in four-year programme -- $4 \times 52 = 208$
3. Graduate and post-graduate students = 20
4. Dental hygiene class size = 20
5. Total dental hygiene students in two-year programme -- $2 \times 20 = 40$
6. Total number of dental, graduate and post-graduate, and dental hygiene students = 268

The above figures are those which might reasonably be expected when the Faculty of Dentistry is operating at capacity.

Physical Accommodation

The first draft of the general specifications for the Dental Sciences Building was submitted for consideration in the first week of

March, 1965. Section 1 comprised areas specific to dentistry and Section 2 related to the areas for expansion of the existing Basic Sciences departments. Great emphasis has been given to adequate provision for research activities.

Present intentions foresee the detailed planning of the Dental Sciences Building completed before the end of 1965 in order that tenders can be called for early in 1966. It is estimated that the active construction phase will consume approximately eighteen months and the building, therefore, should be ready for use in September, 1967. This building will be physically attached to those making up the Health Sciences Centre.

The University Teaching Hospital which will form a part of the Health Sciences Centre is expected to open in the fall of 1970. An area approximating 2,000 square feet consisting of eight operatories with facilities for the necessary supportive services has been planned and preliminary drawings have been submitted to the hospital's planning committee. This hospital department will serve both for out-patient services and as clinical facilities for the geographic full-time members of staff.

Library

The collection of books and periodicals for the Faculty of Dentistry will be entirely integrated within the existing Health Sciences Library. It is important that dental journals be alphabetically inserted within the collection of the medical and basic science journals and that dental texts find themselves on shelves contiguous to those holding medical books. This should be good not only for dental students but will have more than a subtle effect on the medical and basic science people as well. Also, since physiology is physiology and biochemistry is biochemistry, it is difficult to justify their artificial separation.

The Budget of the Faculty for 1965-66 contains a significant provision for the purchase of books and journals. By the date of enrollment of the first class a creditable library will have been initiated.

Local and Alumni Interest

That significant interest in this developing Faculty exists both locally and among alumni there can be little doubt. The writer was pleased to accept the invitations of the following organizations to address them on the subject of the creation of Western's Faculty of Dentistry:

1. March 11, 1965 -- North London Kiwanis Club

2. March 25, 1965 -- London and District Dental Society
3. March 30, 1965 -- London East Rotary Club
4. April 28, 1965 -- Wingham and District Dental Society
5. May 5, 1965 -- Oxford County Branch, U. W. O. Alumni Association
6. May 12, 1965 -- Essex County Branch, U. W. O. Alumni Association

In addition to the above, although not being directly attributable to this developing Faculty, the writer was pleased, on June 22, 1965, to act as one of the keynote speakers for Rotary International's Fourth Annual Seminar for Tomorrow's Leaders, being assigned the subject "The Leader and the Professions".

Conclusion

One would certainly exhibit an almost irrational naivety were he to imagine that even a relatively few of his colleagues would agree with all the preliminary decisions which have been made and the various considerations which have spawned them. Each of us tends to be the product of his own background and experiences, and thus it is difficult to be thoroughly objective when considering the factors which should influence the development of a new school. Tradition and experience can be of inestimable value, but they are not without their drawbacks as well. Sometimes it is difficult to overcome that awesome inertia which precedent and pre-disposition frequently create, even though it is generally recognized that changing patterns in contemporary society demand another way of doing things.

John W. Gardner, the President of the Carnegie Foundation, has written "Self-Renewal -- The Individual and the Innovative Society", a vital and preceptive book which this writer has found helpful and stimulating. Although it is quite certain that he did not specifically have in mind the dental profession now being buffeted somewhat by sociological winds of change, his words throughout the book do possess an almost remarkable applicability to dentistry's present day concerns and the profession's attitude to them. They apply with equal validity to this embryonic institution as well. "A society," he says, "whose maturing consists simply of acquiring more firmly established ways of doing things is headed for the graveyard -- even if it learns to do these things with greater and greater skill. In the ever-renewing society what matures is

a system or framework within which continuous innovation, renewal, and rebirth can occur Renewal is not just innovation and change. It is also the process of bringing the results of change into line with our purposes. "

Whether or not the contribution to education and research of the Faculty of Dentistry of The University of Western Ontario will be significant awaits the results of the grinding of its hopes and aspirations in the crucible of time. If in common with our educational institutions it is able, as Gardner suggests, to shift to the individual the burden of pursuing his own education, it will have attained some measure of achievement. At least this can be said: there is a genuine aspiration which pervades the University that its Faculty will provide a programme of outstanding merit and that its graduates will be a credit to their University, to their profession, and to themselves. The writer deeply shares these convictions and is sure that all who join in the tasks of this new Faculty will do everything within their ability to create an academic climate within which these desires may attain fruition.

SCHOOL OF BUSINESS ADMINISTRATION

Report of the Dean

Professor J. J. Wettlaufer

The year 1964-65 marked another major advance for the School of Business Administration. In response to the growing importance of international developments and world trade in shaping the decisions of Canadian business, the School sponsored a National Conference on International Business with the Honourable Mitchell W. Sharp, Minister of Trade and Commerce, as guest speaker. As a direct result of the success of the Conference, the University decided to establish a summer International Management Programme at the School of Business Administration.

Academic Programmes

Enrollment in the Graduate School set a new record of 256 which represented a 12% increase over last year. Class statistics indicate an excellent national geographic distribution: British Columbia, ten; Alberta, 30; Saskatchewan, six; Manitoba, 13; Ontario, 90; Quebec, 68; Maritimes, 15. In addition, graduate students registered from United States, England, France, Holland, South Africa, Pakistan, India, Japan, Ceylon, New Zealand and Trinidad. The degrees held by these students indicate: B. Eng, 25; B. Sc., 82; B. A. Sc., 30; B. A., 53; Commerce, 53; Law, six; Advanced, seven. Registration in the undergraduate programme has indicated a new interest which is reflected in the larger pre-business enrollments. This increase should begin to show higher registrations in 1965-66. At present, the enrollment in the third and fourth years is 112.

The doctoral programme has been restricted to marketing, pending the building of faculty strength in the other areas of business. We plan to take candidates in accounting-finance in 1965-66 and in the remaining areas in 1966-67. One doctoral candidate, Mr. A. Mikalachki, was granted the first Ph. D. in Business Administration in Canada at the Fall Convocation.

Degrees conferred and diplomas granted at the 192nd and 193rd Convocations were as follows:

Honours B. A. -- 57
 Master of Business Administration -- 118
 Diplomas -- 10

Curriculum Development

The Faculty has continued its interest in the revised MBA programme. The teaching group for the first year MBA programme met on a regular basis and reported its findings to other members of Faculty to enable the School to build upon the work being done in the first year. At the undergraduate level, the Junior Teaching Group continued its experimentation in integration with great success.

Under the terms of the Ford Foundation Grant, the School was able to establish visiting professorships in marketing for 1964. Public lectures included: "Applications of Behavioral Science and Quantitative Methods in Pricing", Professor A. R. Oxenfeldt, Columbia University; "Psychological Concepts and Economic Analysis", Professor George Katona, University of Michigan; "Bayesian Decision Theory and Marketing", Professor Paul Green, University of Pennsylvania; "Models of Consumer Behavior", Professor John Howard, Columbia University; and "Behavioural Concepts and Marketing Theory", Professor Wroe Alderson, University of Pennsylvania. In addition, each professor conducted a series of seminars with the doctoral candidates and the Faculty.

Faculty Publications

The scholarly interests and intellectual curiosity of the Faculty were demonstrated not only in the classroom but also in the research projects and publications, a list of which is appended to this report.

Faculty Research

Western's School of Business Administration has established a reputation for excellence in training administrators. In undertaking the doctoral programme, the School faced the difficult problem of increasing the emphasis on scholarship and research. A strong research reputation and orientation was required to attract top professors and students to the School. With 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 Faculty has made great strides over the last year.

The major research project involved a study of the effectiveness of a management development programme on the individual and the organization. Dr. Bernard Portis continued as project leader assisted by Professor W. A. Thompson, Messrs. P. Smythe, J. Svistunenko and B. Nice. The project has generated international interest. A list of other research projects underway is appended to the report.

The case research programme made substantial gains in the area of organizational behaviour. Dr. R. Hodgson assisted by Mr. P. Levasseur developed a new series of case material to help build up an integrated, inter-disciplinary approach through the emphasis of research findings in the social sciences. Dr. S. A. Martin and Mr. Paul Bishop continued their work in Financial Institutions. Their success in this area has enabled us to use Canadian problems almost exclusively in the classroom. Dr. A. R. Wood and Dr. A. A. Grindlay have developed case material involving a 'model' in a large subsidiary of an American company. Under Dr. A. R. Wood's supervision, Mr. Rein Peterson prepared additional material for the production courses. Dr. D. H. Thain completed several cases in policy formulation and strategy. Eighteen of his case problems were accepted for publication in the Intercollegiate Case Clearing House at Harvard. Mr. Peter Crossgrove assisted in this work during the summer. Dr. D. S. R. Leighton and Mr. Peter Miller prepared introductory policy case materials for the MBA programme. Other course material was developed in the area of Industrial Relations and Administrative Practices by Mr. George Forsyth and Mr. Milan Moravec.

Programmes for Executives

The School of Business Administration has had a long history of assisting Canadian business to update their executives in light of changing conditions.

Management Training Course

The eighteenth session of the Management Training Course conferred diplomas on men from all parts of Canada as well as the United States, Great Britain and Pakistan. Class statistics for 1965 are:

General Executives -- 36
 Engineering and Production -- 26
 Marketing -- 17
 Accounting and Financial Officers -- 17
 General -- 17

The programme was directed by Professor W. A. Thompson and the Faculty

included Professors C. A. Bliss, F. Folts, R. Walker -- Harvard Business School; Professor Huston Smith, M. I. T.; and Professors A. A. Grindlay, A. R. Wood, J. C. Taylor, D. S. R. Leighton and J. J. Wettlaufer -- Western.

Marketing Management Programme

The Marketing Management Course set a new record with an enrollment of 108 for its twelfth annual session. The majority of candidates were from companies who had participated in the course in previous years, but 22 new companies were represented in the class of 1965. The programme is staffed entirely by UWO Faculty, including Professor C. B. Johnston, director, and Professors Leighton, Nicholson, Thompson and Thain.

International Management Programme

The School of Business Administration in co-operation with the Department of Economics presented a two-week course in International Management. The programme attracted 25 executives in government, banking and industry from British Columbia to Quebec. The programme was directed by Dr. D. S. R. Leighton and the Faculty included Professors G. L. Reuber, R. J. Wonnacott, S. A. Martin, R. E. Sproule, D. H. Thain and Mr. G. Wadinambiaratchi from Western, and Professor H. E. English from the Private Planning Association. The administration was handled by Mr. N. M. Armstrong.

Business Conference

The Ninth Annual Business Conference drew a record number of 295 attendees from Calgary to Fredericton. The conference theme was "Management for Profits". The keynote address was given by Mr. N. R. Crump, Chairman and Chief Executive Officer, Canadian Pacific Railways. Other speakers included: Dr. Dwayne Orton, I. B. M.; Mr. D. S. McGiverin, The T. Eaton Company Limited; Mr. Marcel Vincent, The Bell Telephone Company of Canada; Mr. William Dodge, Canadian Labour Congress; Dr. Richard C. Hodgson, UWO; Dr. Donald E. Armstrong, McGill University; Dr. John J. Deutsch, Economic Council of Canada; The Honourable John P. Robarts; and The Honourable I. C. Rand, former Dean, UWO Faculty of Law. Panel members included: C. Warren Reynolds, Ronalds-Reynolds and Company; H. Hallworth, T. S. Simms and Company Limited; William S. Kirkpatrick, The Consolidated Mining and Smelting Company of Canada Limited; Gerald O. Loach, Union Carbide Canada Limited and J. H. Warren, Deputy Minister of Trade and Commerce.

The leadership and organization is provided by our alumni. The committee consisted of Mr. Bernard Kuehn, Chairman; Mr. George R. Munro, Mr. George Forsyth, Mr. Ernest W. Barbour, Mr. G. Marcel Brunet, Mr. William M. Chantler, Mr. John W. Murray, Mr. Frank T. Sherk, Mr. Lewis G. Smith, Dr. J. W. Tomecko, and Mr. J. C. Wattie, assisted by Messrs. J. J. Wettlaufer, W. A. Thompson, F. W. P. Jones, N. A. Armstrong and Col. F. H. Rowland.

Other Executive Courses

The School has continued its policy of helping associations and organizations to provide educational opportunities for their members. The School joined with the Faculty of Medicine to co-sponsor a seminar on Alcohol and Problems of Addiction in Co-operation with the Drug Addiction and Alcoholism Research Foundation. The School co-operated with the Financial Analysts of Toronto and Montreal to sponsor the second Canadian Investment Analysts Seminar. Sixty-seven security analysts, from various parts of Canada and the United States, enrolled for the four-day project.

Individual faculty members conducted seminars for the Canadian Industrial Management Association, Canadian Association of Advertising Agencies, Society for the Advancement of Management, Canadian Association of Purchasing Agents, the Junior and Senior Chambers of Commerce, the Industrial Management Clubs, Society of Industrial and Cost Accountants, the Senior Officer Conference of the Ontario Civil Service Commission, the Royal Canadian Air Force, Society of the Plastics Industry and others.

The Business Quarterly

The Business Quarterly continues to grow as "Canada's Management Journal". Increased recognition has been shown in many ways. Circulation rose and is becoming still more selective with over 6,000 copies of each issue being sent out. Our surveys indicate that a conservative estimate of total readership per issue might be as high as 12,000 different people. We have also received wider recognition at university libraries in this country and the United States. One measure of the total impact may be taken from the sale of reprints which totalled 30,000 for the year. The academic community continues to give strong support to the Business Quarterly. There were 33 articles in the last four issues; eight of these were written by professors from Western and 14 by academics from other universities.

The Placement Programme for Students

During the 1965 recruitment period, 209 companies conducted 2,129 interviews at the School. The programme is under the capable direction of Mr. N. M. Armstrong, who is also a member of the Placement Guide Committee of the College Placement Council and an executive member of the College Placement Council.

The Undergraduate Business Council and the MBA Association co-operate with the faculty to host the visiting executives. The students also sponsor an annual Job Forum to enable students and businessmen to discuss career possibilities. The keynote speaker at the luncheon was Mr. George Hees, President, Montreal Stock Exchange.

The Faculty

We regret to announce the passing of W. Robert Waugh, Assistant Professor of Business Administration, on October 11, 1964, after a lengthy illness. During his 19 years at Western, Professor Waugh played a significant part in the growth of a small department of Business Administration into one of the University's major professional Schools. "Bob" Waugh will be missed by his many former students, businessmen and his associates on the Faculty. A testimony to this fact is a memorial book fund set up in his name by some of his former students and associates.

The Faculty play an active part in many associations and societies in addition to consulting and working with University committees. Dean J. J. Wettlaufer was invited to be Visiting Lecturer at the University of the West Indies in February. He also acted as a seminar leader at the National Conference on Labour-Management Relations sponsored by the Economic Council of Canada. Dr. A. Mikalachki and Dr. B. Portis presented papers at the annual meeting of the Association of Canadian Schools of Business and Commerce during the spring meeting of the Learned Societies in Vancouver. Dr. D. S. R. Leighton was a Visiting Lecturer at University College, Dublin, Ireland, at the first executive development programme held at that college. He was also Visiting Lecturer at the International Marketing Programme, New College, Oxford, England, and Visiting Professor at the International Marketing Institute, summer programme, Harvard Business School. Professor C. B. Johnston assisted the Department of Northern Affairs on the development of a marketing organization and plan for Eskimo arts and crafts. Dr. R. E. Sproule was invited to be Visiting Scholar, Survey Research Center, University of Michigan.

Other members of Faculty contributed their time and energy to assisting societies and associations: Dr. Michiel R. Leenders, Educational

Advisor to Canadian Association of Purchasing Agents; Professor J. J. Wettlaufer, President, Canadian Association of Schools of Business and Commerce; Dr. D. S. R. Leighton, National Director, American Marketing Association.

This School and the Faculty acknowledge the warm support they have received from their faculty colleagues and the administration. Their counsel and co-operation, together with the strong financial support of the business community, have enabled us to make substantial progress during the academic year 1964-65.

FACULTY OF ENGINEERING SCIENCE

Report of the Dean

by R. M. Dillon

The academic year 1964-65 has proven to have been a busy one for the Faculty of Engineering Science -- a Ph. D. programme has been inaugurated, plans have been completed for a new undergraduate option in Materials Science, and a number of experiments in tutorial instruction have been tried out. Progress on the whole has been gratifying, thanks to the hard work and co-operation of all members of the academic, technical and administrative staff. Some highlights of the year's activity are briefly described in this, the fifth Annual Report of the Faculty.

The attempt to develop closer, more effective faculty-student relations continues. The II Year Supervision Scheme, first reported last year, has proven popular from the students' point of view. A survey conducted by Professor Poucher, who directed the programme, showed the vast majority of students to be in favour of continuing the plan. Faculty reaction, though varied, was generally favourable and accordingly it has been decided to continue at least for another year. To improve the effectiveness next year, three five-day courses were organized with the object of familiarizing supervisors with the aims and content of second year courses. During May and June, Professor Lauchland lectured on Electrical Science and Professor Olson on Mechanics; Professor P. W. Manuel of the Department of Mathematics delivered the third lecture.

Supervision for II Year students will be augmented during the coming year by a tutorial system to be introduced into Professor Nowak's Mechanics of Materials course. One hour per week of lecture time will be dropped and replaced by one-hour tutorials, each of which will include a group of ten students.

Extension of supervision and tutorial instruction into the first year is, so far, not practical because of the relatively large number of students involved. Until more instructors are available it will be necessary to rely entirely on the Faculty Adviser System, which in spite of inconsistent results continues to be worthwhile.

A most popular lecturer on the Faculty Seminar Programme was

Professor Norman F. Moody of the University of Toronto, whose lecture on Bio-Electronics attracted a large audience. The 1964-65 programme directed by Dr. Nowak for the first time included graduate students, among them being Messrs. D. C. Groeneveld and A. K. Konanur. The Chemical and Civil groups organized weekly seminars at which papers were delivered by graduate and fourth year students alike.

As shown below the total staff has grown from 17 in 1960 when the Faculty of Engineering Science was formed to 41 for the current year.

	<u>Professors</u>			<u>Lect. & Instr.</u>		<u>P. Doct.</u>	<u>Total Staff</u>		
	<u>Full</u>	<u>Assoc.</u>	<u>Asst.</u>	<u>F. T.</u>	<u>P. T.</u>	<u>Fellows</u>	<u>Acad.</u>	<u>Tech.</u>	<u>Secry.</u>
<u>1960-61</u>	2	3	5	3	-	-	13	2	2
<u>1964-45</u>	4	8	10	2	2	1	27	9	5
<u>Grand Total:</u>	1960-61 -- 17			1964-65 -- 41					

Projections of enrollment and staff to 1975 on which present planning is based are shown in the following tables. The increase in planned strength of technical and administrative staff relative to the total is due to an unexpected rise in graduate enrollment and a consequent increase in research work.

<u>Staff</u>	<u>1965</u>	<u>1970</u>	<u>1975</u>
Academic	27 - 66%	42 - 50%	50 - 43%
Technical	9 - 22%	30 - 36%	40 - 35%
Admin. clerical	5 - 12%	12 - 14%	25 - 22%
	41 - 100%	84 - 100%	115 - 100%

Enrollment

Graduates	18 - 7%	40 - 10%	100 - 20%
III & IV Year	97 - 35%	125 - 30%	150 - 30%
I & II Year	160 - 58%	250 - 60%	250 - 50%
	275 - 100%	415 - 100%	500 - 100%

Planning has begun for a major extension of facilities for Engineering Science, now scheduled for completion by August 1968. Ten planning groups have been set up to develop the Project Planning Guide which is required to define the size and scope of the construction and its general arrangement. Members of these groups, accompanied by personnel from the Department of Buildings and Grounds, will visit engineering buildings and laboratory facilities in the United States and Canada in order to gather the latest ideas in building design and laboratory arrangement. Construction will begin, according to the present schedule, in March 1967.

The Faculty research programme continues to grow at a satisfactory pace as indicated by the following figures:

<u>Year</u>	<u>Staff Participating</u>	<u>Total Research Expenditure</u>	<u>No. of Grad. Students</u>
1960-61	2	3,978	-
1962-63	10	24,765	4
1964-65	17	79,408	17

The year was marked by two events, each of which gave a major boost to research: the construction of Professor Davenport's low-speed, ground boundary-layer wind tunnel, and the award of a contract to Professor Nowak from Atomic Energy of Canada Ltd.

The new wind tunnel is a unique research facility especially designed to represent the first 200 feet of the earth's atmosphere. Research may be conducted in a number of fields of current national importance, including the wind loading of tall structures, snow deposition, air pollution control and the effect of turbulence on vertical and short take-off aircraft. The working section of the tunnel is approximately 80 feet long, 8 feet wide, with a height which may be varied from 5-1/2 feet to 7-1/2 feet. An eight-foot diameter fan powered by a 40 h. p. electric motor will produce air velocities up to 60 feet per second. The tunnel now housed in a temporary prefabricated metal building will eventually be relocated in the new engineering science building.

Atomic Energy of Canada Ltd. have retained Professor Nowak to make precise measurements of the enthalpy of heavy water. A \$60,000 contract will enable Dr. Nowak to complete construction of a high pressure loop and other apparatus which he has been developing with N. R. C. assistance over the past three years. The results of the investigation, which is being conducted with the assistance of Professor J. W. Stewart, are required by A. E. C. L. for the design of a new series of nuclear reactors. A knowledge of heretofore unmeasured properties of the heavy water used as a coolant will save many thousands of dollars in fabrication and future operating costs.

Mr. L. F. Pepino, a candidate for the degree of M. E. Sc. working under the direction of Professors Bulani and Foreman, has completed a preliminary spectroscopic investigation of the full charge in an operating internal combustion engine. He has demonstrated that a nitrogen injection system will prevent clouding of quartz observation ports in the cylinder wall for up to five hours of operation. With the aid of an electronic control system, which he developed, he has been able to make satisfactory time-differentiated absorption measurements. Further work in this area is planned.

Two bio-engineering research projects are worthy of special note. The first of these is Professor Foreman's model studies of Blood Flow and Artery Dilatation. This project emanated from a Ph. D. thesis in the Faculty of Medicine and is the first in the faculty to be supported by a grant-in-aid from the Medical Research Council. Original studies dealing with a constant flow condition are to be extended for a pulsatile flow meter designed by fourth year students, Messrs. C. Kempling and D. J. Naish.

The second bio-engineering project is concerned with the surface and electrostatic properties of particulate matter as they affect air pollution control methods. Professor I. I. Inculet is in charge of this work, which is supported by grants from the N. R. C. and the Ontario Department of Health. The research was begun in 1963 by Dr. J. L. Kearns.

Professor R. K. Swartman has begun a study of the utilization of Solar Energy.

Faculty Development for 1964-65 was outlined in a Long Range Plan presented to the Faculty in September 1964. This plan, as well as suggesting action for the current year, also listed proposed projects for the next three years. Most of the objectives set for this year were met.

A most significant development was the approval by the Faculty and by the Senate of a new programme in Materials Science. The first general course is to be offered in the second year beginning in September 1965; this will lead to a Materials Science Option, the teaching of which will commence in September 1966. Dr. G. A. Geach and Dr. C. Roy are full-time members of the Materials Science Group; they will be joined in September 1965 by a Post Doctoral Fellow and at least two graduate students. Major equipment and other apparatus for the laboratories is being installed in readiness for contract research expected to begin in September 1965.

A number of changes in the core curriculum at the I Year level were approved to be effective for the academic year 1965-66; these tend to minimize the difference between the Engineering Science programme and General Programme I offered in the Faculty of Arts and Science. Minor

changes only would now be required to allow promotion from General Programme I into Engineering Science II or, from Engineering Science I into the second year of a pass or honours course in the Faculty of Arts and Science. Such flexibility is desirable since it allows students to delay for an additional year a choice between engineering and some other course. It is stressed that there is no thought of abandoning Engineering Science as a separately identified programme.

Professor Emmerson will continue and intensify his study of the place of Humanities and Social Sciences in the curriculum. It is hoped that a number of humanists and social scientists will participate actively in the deliberations.

Professor Davenport's study of the undergraduate programme of Mathematics will be co-ordinated with that concerned with the core curriculum under the direction of Professor Foreman. It is hoped also that Dr. Davenport will recommend changes which have long been felt necessary in the third and fourth year engineering mathematics programme.

The Advisory Committee on Engineering Science met on October 12, 1964. For the first time, the meeting included a large number of faculty members who joined in discussions dealing with measures to improve industrial-university co-operation. The conference began with group discussions, followed in the afternoon by a plenary session chaired by Mr. D. B. Strudley, incoming Chairman of the Committee. As usual the meeting generated great interest and a number of useful suggestions.

A number of senior members of the profession in London, including Dr. Buchanan and Messrs. McKillop and McGeachy of the Advisory Committee, have raised over \$7,000 for the Hugh A. McKay Memorial Fund which is to be used to support scholarships in the Faculty of Engineering Science. The first award should be made in 1966.

Professor G. F. Chess in charge of co-ordinated field trips reports that, for the first time, plant visits were organized for the second year. In February, students learned how the Princess telephone was designed, and observed its manufacture at Northern Electric Company's London Works.

In March, the class visited the Hilton Works Steel Company of Canada in Hamilton. The third year visited the American Motors (Canada) Ltd. plant at Brampton. Professor J. L. Kearns conducted the fourth year on a tour of the Engineering Division Imperial Oil Enterprises Ltd. at Sarnia.

On February 11, the fourth year challenged the graduate students and staff for the Annual Broom Ball Game. The Faculty, heavily reinforced

by the graduate students, won in convincing fashion.

Mr. Donald Dickie, a graduate student, addressed the student body at the annual UES-EIC Supper.

The EIC Student Section, under the Chairmanship of Mr. J. A. Post, had a membership of 150, thanks to a vigorous membership drive held early in the year. On Thursday, April 8, the section co-operated with the EIC London Branch and APEO London Chapter in sponsoring a Student Technical Night, at which the four best fourth year theses were presented to a large audience of professional engineers. The fifty-dollar prize was won by J. F. Kilbreath for his paper on "The Study of Two-Dimensional Plane Air Jets and Their Relation to the Ground Effect Principle". Judges were Dr. E. V. Buchanan, Past Chairman of the Engineering Science Advisory Committee, Mr. J. D. Judge, President of General Products Manufacturing Corporation Ltd., and the Dean.

FACULTY OF LAW

Report of the Dean

Professor A. W. R. Carrothers

In October 1964 the Faculty of Law presented to the President and the Board of Governors a Prospectus outlining a plan for the development of the Faculty to 1974. The report consists of statements relating to objects of the Faculty, admissions and admission standards, the library, the Faculty, physical facilities and administrative services, curriculum, interdisciplinary studies, and graduate programme. Two appendices record a summary of immediate needs for the library and a detailed outline of the proposed curriculum. The new curriculum was approved by the Senate of the University on January 29, 1965.

Faculty

Appointments and Resignations

The Faculty of Law commenced the 1964-65 term with a full-time Faculty of seven, five of whom were new appointments to the University and four of whom were embarking on a teaching career. The appointments were as follows:

G. M. Adler, LL. B. (Osgoode Hall), LL. M. (Yale),
Assistant Professor

G. J. Brandt, B. A. (Sask.), B. A. (Oxon.), LL. B. (Sask),
Assistant Professor

T. C. Hartley, LL. B. (Capetown), LL. M. (London),
Assistant Professor

S. R. Peck, B. A. (Tor.), LL. B. (Tor.),
Assistant Professor

A. W. R. Carrothers, B. A. (B. C.), LL. B. (B. C.), LL. M. (Hvd.),
Dean and Professor

In addition, the number of sessional appointments was increased by two:

W. R. Poole, Q. C., B. A. (Man.), of Osgoode Hall,
Sessional Professor

B. G. Smith, B. C. L. (N. B.), of the Bars of Alberta, New Brunswick and Ontario, Sessional Lecturer.

The Faculty was particularly fortunate in securing the services of the young men who joined the full-time faculty to commence their teaching careers. The association of the practising Bar has been important to the programme of the Faculty since its establishment, and once again the Faculty was very well served by the response of the legal profession to invitations to join the Faculty. A special rank of Sessional Professor was created to distinguish senior members of the profession on the Faculty.

During the years 1963-65 Professor F. E. LaBrie very generously undertook to travel from Toronto weekly to conduct classes in Taxation and Company Law. With the increase in the number of permanent appointments to the Faculty and with the growing burden of active practice, Professor LaBrie resigned as of the end of the 1964-65 academic year. The Faculty wishes to acknowledge the great value of Professor LaBrie's services and his association with the Faculty during a critical period in the growth of the Faculty.

In the 1964-65 term appointments for the ensuing term were completed as follows:

K. A. Hinnegan, B. B. A. (Mich.), LL. B. (U. W. O.),
Assistant Professor

D. D. Prentice, LL. B. (Queen's Belfast), J. D. (Chic.),
Assistant Professor

J. A. Rendall, B. A. (Tor.), LL. B. (Osgoode Hall), LL. M. (Mich.),
Assistant Professor

Magistrate E. H. A. Carson, M. A. (Tor.) of Osgoode Hall,
Sessional Professor

Honours and Distinctions

T. C. Hartley, LL. M. (London University) with Distinction

Research in Progress

G. M. Adler. An investigation into the nature and extent of provincial control of local government planning.

J. D. Payne. Research assistant to the Ontario Law Reform Commission to examine certain facets of the law relating to domestic relations.

S. R. Peck. Status and problems of the Canadian Indian.

Public Service

A. W. R. Carrothers, Chairman, Advisory Commission to the Minister of Northern Affairs and National Resources on the Development of Government in the Northwest Territories.

E. E. Palmer, Vice-President, Planning, United Community Services of London, Spring, 1965.

Chairman, Committee convened by the U. C. S. to establish Home Care Programme in London, 1964-65.

StudentsRegistration and Other Statistics

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

Western Law Review

Volume 4 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-in-Chief	Joseph M. Dillon
Business Manager	R. Bruce Waite
Associate Editor	Stephen N. Adams
Advertising Editors	Peter Hubbard, Lawrence A. Wright
Circulation	Robert McClean
Faculty Advisor	T. C. Hartley

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 Over 25		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

The volume, consisting of 123 pages of text, contained contributions from members of the Faculty, past and present, a member of the Department of Economics and Sociology at The University of Western Ontario, a former student, a local practitioner and well-known legal writers from England and the United States.

The subscription list, apart from students of the Faculty, consists of approximately 250 persons and institutions, including a number of American universities, and libraries from as far afield as Stockholm, Sweden.

Moot Courts

1. Voluntary programme of the Legal Society; the Grand Moot

From the inception of the Faculty of Law the students have planned and operated a voluntary programme of moot courts. The first year students have been the major participants, and in 1964-65, 80 per cent of this group shared in the scheme. As in previous years, members of the Middlesex Law Association generously volunteered their services to act as judges.

The Moot Court Programme culminates in a Grand Moot Competition in which the four leading students of the voluntary scheme argue a case before a senior bench. In the Spring of 1965, Messrs. W. C. Hamilton, R. G. Atkey, D. G. Gunn and P. S. McBirnie argued before a bench composed of the Hon. Mr. Justice G. A. McGillivray of the Ontario Court of Appeal, the Hon. A. M. LeBel, Q. C., formerly of the Ontario Bench and now of the Bar in London, and the Dean of the Faculty of Law. The winners of a Grand Moot Award were Messrs. R. G. Atkey and W. C. Hamilton.

2. Inter-Law School Moot

Messrs. R. G. Atkey and W. C. Hamilton took part in the Annual Inter-Law School Moot held on February 20, 1965, in the City of Toronto. The Bench consisted of the Hon. Mr. Justice E. L. Haines of the Supreme Court of Ontario, P. B. C. Pepper, Esq. Q. C., and C. L. Dubin, Esq., Q. C., both of the Bar of Ontario. The winning school was the University of Toronto Faculty of Law.

Graduates

1. Graduate Studies

Mr. R. G. Atkey, who graduated with the degree of LL. B. in the Spring of 1965, is proceeding to graduate work at the School of Law of Yale University. Mr. Atkey is in receipt of two scholarships -- the Mackenzie King Scholarship and a fellowship from the Law School of Yale University.

2. Bar Admission Examinations

All the graduates of the Faculty of Law at The University of Western Ontario who sat for the Bar Admission examinations in the Spring of 1965 were successful in the examinations. The class leader, Mr. J. F. Petch, took his first year in this Faculty.

Library

During the year 1964-65, the library added 2,242 volumes to its holdings, as compared with 1,531 volumes in the previous year. The total number of volumes in the library is now 21,541, consisting of 14,989 volumes of Law Reports, 3,430 Law Journals and 3,122 Treatises. Two-thirds of the additions for this year occurred in the area of Law Reports. Some of the more significant reports added are: the Quebec Law Reports, Court of Session Cases (Scotland), Scots Law Times, Scottish Law Review, Irish Jurist, Irish Reports, and the South African Law Reports. The Times Law Reports were purchased from a memorial fund established by friends of the late A. B. Siskind, Q. C., and the Reports of the Nuremberg War Crimes Tribunal were generously donated by The Honourable I. C. Rand on his retirement as Dean of this Faculty.

The Prospectus of October, 1964, states the need for building the library to 50,000 volumes by 1969 at an estimated cost of \$500,000, if the Faculty is to have a basic undergraduate teaching library. Special research opportunities and graduate studies will require further acquisitions. At the present time, our total holdings place this library thirteenth of the 14 law school libraries in Canada. The need for a concerted programme of library acquisitions is at least as great now as it was in October, 1964.

Special Lectures

The Faculty of Law arranged a series of special lectures by

distinguished visitors during the academic year 1964-65. The programme undertaken was as follows:

On Monday, November 11, 1964, Dr. R. E. Megarry, of the English Bar, addressed a general assembly of law students on the subject "The Law as Taught and the Law as Practised". Dr. Megarry also delivered a number of lectures to the first, second and third year students in lieu of their scheduled classes.

On Monday, January 18, Professor Bora Laskin of the University of Toronto addressed a general assembly of law students on "Repatriation of the Canadian Constitution".

On Monday, January 25, Professor Ivan A. Vlastic, of the Air Law Institute at McGill University, addressed a general assembly of students on "Bilateral Air Transport Agreements Today".

On Monday, February 1, Professor John Willis, of the University of Toronto, spoke to a general assembly of law students on problems being studied by the Ontario Royal Commission on Civil Rights.

On Monday, February 8, Dean Frank R. Scott, Dean Emeritus of the Faculty of Law of McGill University, addressed a general assembly of law students on "The Fulton Formula".

On Thursday, February 18, Professor Wolfgang Friedmann of Columbia University, addressed a general assembly of students on "The Role of Law in a Changing Society".

During the week of February 22, Dean Ivan C. Rand, Dean Emeritus of the Faculty of Law at The University of Western Ontario, delivered a series of five lectures on Constitutional Law.

On Tuesday, March 23, Professor Fleming James, of Yale University, addressed a general assembly of law students on "Automobile Accident Insurance and the Law". Professor Fleming James spent two days at The University of Western Ontario and various opportunities were presented to Faculty, students, and members of the London Bar to exchange opinions with him on diverse subjects.

On Tuesday, February 16, 1965, the Hon. J. C. McRuer,

former Chief Justice of Ontario, met a general assembly of law students and discussed a variety of issues with them in answering their inquiries.

The foregoing series of Special Lectures was arranged in part to compensate for the fact that the Faculty was understaffed in the 1964-65 term. The series proved to be of great value both to the student body and to the Faculty, and also gave the Faculty an opportunity, from time to time, to invite an association with other faculties and departments in the University and with the legal profession. It is hoped that a similar programme may become an integral part of the academic programme of the Faculty.

Interdisciplinary Studies

The association of members of the Faculty of Law with persons in other disciplines in the pursuit of intellectual goals is one which the Faculty values highly. We believe that significant legal research must be fed in part at least from the body of knowledge created by other disciplines; and we believe that there may be room for reciprocity. The Faculty is grateful for assistance received for our own programme from persons outside the Faculty, and is happy to participate in the programmes of other divisions in the University. Because of the shortage and newness of the Faculty in 1964-65, we were unable to engage in a concerted programme of interdisciplinary studies, but during the academic year plans were made for a more positive intellectual exchange between the law and other disciplines.

During 1964-65 Professor J. D. Payne gave a special seminar to students in the College of Nursing and a seminar to the Canadian Association of Purchasing Agents on "Remedies Available to Vendor and Purchaser". In addition, the Department of Geography took part in a Law Faculty seminar in Community Planning.

Growth of the Faculty of Law

When the Prospectus referred to at the beginning of this report was in preparation, the Faculty of Law had access to present and projected figures of law school enrollment in Ontario that led to the conclusion that physical facilities in the present Ontario law schools are being used as intensively as can be permitted without dividing classes into sections, and that The University of Western Ontario must accept additional students beyond the single classroom capacity of the present building by the Fall of 1966, or 1967 at the latest. This will mean that, as all three years are

divided, our staff will have to be nearly doubled, additional library holdings procured, and the physical plant extended. The same developments may be expected to occur at other institutions throughout Canada in the near future. The establishment of new law schools may be expected. The total demands thus placed on the very limited numbers of teachers and library materials will be enormous and far beyond the possibility of satisfaction. The only way in which Western can secure an adequate share of available teachers and books is by acting decisively -- and immediately.

Further information gathered in the course of the year, on the basis of 1964 registrations and projections and statements of intention of other institutions, confirm the critical dates of 1966 or 1967. Applications for admission to the first year for 1965-66 began in January, 1965, and before the end of June the numbers passed the total number of applications for admission in 1964. As a consequence, it was necessary to raise the admission standards even further than they had been raised the previous year. It is expected that a firm decision will be required within a year of the date of this report as to whether enrollment potential should be doubled and the library, Faculty and physical plant should be increased. Meanwhile, the Faculty of Law is putting into operation the curriculum changes approved by the Senate on January 29, 1965.

ALTHOUSE COLLEGE OF EDUCATION

Report of the Dean

Professor W. S. Turner

The action of the Minister of Education, the Board of Governors and the President of The University of Western Ontario in naming the College for the late Dr. J. G. Althouse has met with unqualified approval among educators throughout Ontario.

The academic year, 1964-65, was spent in planning for the opening of Althouse College of Education in September 1965. Although the selection of the staff received priority, special attention was given to planning the basic programme as outlined in the first calendar, preparation of equipment lists, and soliciting the co-operation of Boards of Education for the practice teaching programme.

Evidence of the interest of the Deans, Principals and Department Heads in other Faculties of the University in contributing to this new venture was manifested early in the selection of the staff. Grateful acknowledgement is made of the valuable assistance given by Dr. Mary Wright, Chairman, Department of Psychology, Middlesex College; Dr. Robert E. Butts, Head, Department of Philosophy, Middlesex College, and Dr. A. V. Tucker, Head, Department of History, University College, for their sincere and sustained interest on behalf of Althouse College of Education. Although many members of the staff were recruited from the secondary school inspectoral staff and secondary schools throughout Ontario, representatives of academic disciplines in other Faculties of the University gave valuable advice and guidance in selecting scholarly and superior teachers.

Since the integration of the College is of singular importance, the early arrangements for cross-appointments in a few academic areas and the interest manifested by the students in academic courses in lieu of a third methodology option encourage the belief that a good start has been made toward this desirable relationship. It is hoped that the initial experiments involving staff and courses will be successful to the point of encouraging additional attempts at integration.

The Report of the Minister's Committee on the Training of Secondary School Teachers 1962 has been a valuable source of information

in planning the basic programme. Small group instruction in seminars and tutorials, the availability of academic courses in lieu of a third methodology option, the offering of Philosophy, Psychology and Sociology and eventually History of Education at levels commensurate with the varying academic backgrounds of the students, and the offering of distinct programmes at the Type A and Type B levels are some of the more significant concepts included in our programme.

During the academic year, 1965-66, the London Teachers' College and Althouse College of Education will co-operate in an experimental programme designed for graduate students registered at the Teachers' College. In addition to Philosophy, Psychology and Sociology, and History of Education, these students will elect one methodology option at the secondary school level leading to certification for teaching in Grades 9 to 12.

Although an enrollment of 400 was forecast for the academic year 1965-66, it now appears that registrations will not exceed 200. Despite the considerable interest manifested during visits to universities throughout Ontario, the financial advantage to be gained through attendance at the shorter, less effective summer school route to certification has proven to be exceedingly attractive. During the 1965 summer session, 653, 894, and 2, 442 attended the Initial and Completing Courses at Kingston, London and Toronto, respectively. It is unlikely, therefore, that Althouse College of Education or the College being planned for Queen's University will reach capacity enrollment until the time arrives when the demand for secondary school teachers permits abandonment of the summer school. In the meantime, a revision of the summer school programme with respect to length and content might be reviewed with profit.

Although the 1965-66 enrollment will be less than expected, there is evidence to indicate that the Government of Ontario Fellowships available to graduates of honours courses and, therefore, eligible for admission to Type A courses, have attracted some very scholarly graduates. Additional interest in attending the winter session will be stimulated by the following scholarships which will be available during the academic year 1965-66: The Don Wright Scholarship in Vocal Music, The Ontario Secondary School Teachers' Federation Scholarship, The Polymer Corporation Scholarship in Mathematics and Science, The London Board of Education Awards and The Canadian Mathematical Congress Scholarship.

Once the basic programme has been established, it is hoped that it will be possible for the staff of the College, in co-operation with other Faculties of the University, to provide updating courses for practising teachers and, when possible, graduate courses in Education. Since graduate degrees and courses leading to the degrees are the prerogative of the University through the Faculty of Graduate Studies, much planning and study

concerning the content of the courses will be required before the programme is initiated. The members of the staff are aware of the updating academic courses being provided by other Faculties of the University for experienced teachers and will be pleased to assist where possible in this highly-commendable contribution to secondary school teaching.

As a further means of identifying programmes for practising teachers, it is the desire of the staff of Althouse College to maintain a close association with current practises in secondary education through visits to the secondary schools during practice teaching weeks and by conferences and discussions with Departmental representatives who will occupy a wing of the College building.

The contribution made to the planning of the College programme by the members of the Advisory Committee under the chairmanship of Vice-President M. K. Inman is gratefully acknowledged. The viewpoints expressed by representatives of the University, the Department of Education, the Secondary School Superintendents' Association and the Ontario Teachers' Federation were invaluable in determining policy.

The Althouse College staff is sincerely grateful to Dean A. W. R. Carrothers and the staff of the Faculty of Law for providing office accommodation during the construction of Althouse College and for their patient indulgence of the many and varied inconveniences.

BRESCIA COLLEGE

Report of the Dean

Mother M. Dominica

Academic achievement on the part of our faculty and students was recognized this year by the conferring of two Ontario Scholarships of \$1,500 each to Mother M. Perpetua, B. A., M. A., and Sister M. Scholastica, B. A. Mother Perpetua began studies toward the Ph. D. in Psychology at Queen's University this summer. Sister Scholastica will continue graduate work at Western this coming year.

Mother M. St. Michael, B. A., M. A., Ph. L., Ph. D., received a \$1,300 grant from the Canada Council for continued research at Harvard on her projected book, Man: Work and Leisure.

Mother M. Rosanna, M. A., Professor of Sociology, was invited to present a paper to the Convention of the American Catholic Sociological Society held in Montreal in August, 1964. Her paper was entitled "Religious Sisters: Personality Traits and Values", and was a progress report on a long-term research project in which she is engaged.

Three Ontario scholars were admitted to the college this year: Sister M. Clarita, Sister M. Clasina and Sister Mary Mercy.

The college honoured its second African graduate, Miss Mary Margaret Njeri, of Nairobi, Kenya, who graduated at the Spring Convocation with a B average. The third African student, Miss Virginia Aniekwu, of Nigeria, entered First Year last fall. Tuition, room and board were provided by the college for these students.

New appointments included: Mother M. St. Paul, B. A., M. A., appointed full-time Registrar; Mother M. Corona, B. A., M. A., Ph. D., appointed to the Faculty of Graduate Studies at the University, and invited to teach a summer course in drama at Marianopolis College, Montreal.

Mother M. St. Wilfred, B. A., lecturer in English, received the M. A. Degree from the University at the Spring Convocation. Mother Frances Cabrini, B. A., assistant librarian, has been granted leave-of-absence to commence studies for the Master of Library Science Degree at

Rosary College, River Forest, Illinois. Miss Christine Suokaite, B. A., M. L. S., returned to the Library staff in June after obtaining the Degree of Master of Library Science at Rosary College.

The Brescia Lecture League sponsored the following speakers:

Miss Ruth Sanderson	"Principles of Montessori"
Dr. William Tillman, M. D., M. A.	"Group Therapy"
Sir Hugh S. Taylor, Ph. D.	"From Galileo to Pope Paul VI"
Mrs. Ethel Brant Monture	"The First Canadians"
Mr. Hugh Bremner	"Views on Russian Education"
Rt. Rev. Anthony Durand, Ph. D.	"Two Paintings of the Last Supper: Leonardo da Vinci and Salvador Dali"
Mr. Alan Mills	"Canadian Folk Songs"
Most Rev. G. Emmett Carter, D. D.	"Religious Liberty"

Seven Brescia students joined the Conference on Inter-American Student Projects (C. I. A. S. P.) to study Spanish, Mexican history and culture, and catechetical techniques during the academic year. This work was in preparation for their second expedition to the Mexican village, Pisaflores, Hidalgo, undertaken early in May. The group included students from colleges in Toronto, Kitchener, London and Windsor. Their work consisted, as of the previous year, in serving the impoverished inhabitants by manual labour, teaching reading, writing and hygiene, and conducting religious activities. The students were: Jeanne Melady, Nora Hall, Ann Lynne Moylan, Betty Ryan, Yaga Fischer, Cheryl Hodgins and Rita Berdusco.

HURON COLLEGE

Report of the Principal

The Reverend Dr. J. Grant Morden

Dr. A. B. Lucas, the Chairman of the Executive Board of Huron College, died on January 3, 1965. The College will deeply miss his wise counsel and efficient, good humoured leadership. On Sunday, May 9, the Rt. Rev. W. C. Townshend dedicated the two new Theological Classrooms and the Chapel of Gethsemane as the A. B. Lucas Theological Wing.

The Executive Board unanimously elected E. M. Kennedy, Esq., President of Midland-Osler Securities Limited and President of Life Investors Limited, as their new Chairman. Mr. Kennedy was a member of the old College Council and has been a member of the Corporation and the Executive Board of Huron College since they were established by the Act of Incorporation of 1958.

Under the leadership of P. A. DuMoulin, Esq., and E. M. Kennedy, Esq., the financial campaign for \$500,000 was brought to a successful conclusion -- the official announcement being made at the annual Corporation's meeting on Saturday, May 1. Huron College is deeply grateful to all our friends who, by their support, have indicated their confidence in the role of Huron College as an Arts and Theological College.

During the academic year Huron College launched an annual Public Lecture Series. Our guests in 1964-65 were: in November, Mr. Stanley H. Knowles, M. P., who gave an excellent address on the topic, 'I Believe in Parliament'; and in March, Huron College welcomed Dr. R. J. Uffen, Principal of University College, The University of Western Ontario, who presented an illustrated talk on "The Origin and Evolution of Life".

Registration of Students

Huron College is happy to report a continuing rise in better qualified applicants for the Faculty of Arts. The applications now have to

be screened with increasing discrimination in order to restrict our enrollment to the 500 students (approximate) for the Arts Faculty. We await with anxiety the Bladen Commission Report as 500 is no longer an economical figure with the decreasing Federal per capita grant and no Provincial Aid. Should the Federal Government accept the proposal of the Province of Ontario -- of per capita grants of \$500 per student plus an annual 4% increase, there will be no immediate review of our enrollment policy, but without such financial aid for current operational use, Huron College will have to review its enrollment policy for September, 1966.

Registration for the Years 1963-64 and 1964-65

	<u>1963-4</u>	<u>1964-5</u>		<u>1963-4</u>	<u>1964-5</u>
First Year	219	201	First Year	13	12
Second Year	174	176	Second Year	12	7
Third Year	117	124	Third Year	10	13
Fourth Year	7	10	Occasional	2	--
Occasional	<u>5</u>	<u>3</u>		<u> </u>	<u> </u>
	522	514		37	32

Faculty Changes for the Academic Year 1964-65

New Appointments

Mrs. Elizabeth P. Bond, B. A. (Wellesley), M. A. (Yale),
Lecturer (part-time) in Economics

Mrs. Regine Moorcroft, B. A. (Saskatchewan),
Lecturer (part-time) in French

Mr. David Winfield, B. A. (University of Alberta),
Lecturer (part-time) in Political Science

The Rev. Geoffrey H. Parke-Taylor, B. A. , M. A. (Toronto),
L. Th. , B. D. (Wycliffe), Associate Professor of Hebrew

Resignations

The Rev. Jared J. Jackson, A. B. (Harvard), B. D. (Episcopal

Theological School, Cambridge, Mass.), Th. D. (Union Theological Seminary)

Mrs. Louise Forsyth, B. A. (Saskatchewan),
Lecturer (part-time) in French

Mr. James Truax, B. A. (Western),
Lecturer (part-time) in Politics

Mr. Alton W. Craig, B. Comm. (St. Dunstan's), M. B. A. (Western), Lecturer (part-time) in Economics

Conclusion

My colleague, Dr. John Gordon Rowe, Dean of Arts of Huron College, joins me in paying tribute to all the members of the Faculty of Huron College for their dedication and sustained effort to make this College a symbol for quality and excellence in the field of the liberal arts. Our goal of being a predominantly residential community of scholars teaching and researching in the fields of Arts and Theology, made up of permanent members (faculty and staff) and ordinary members (the students) is gradually taking the form of the vision set forth for this College.

We wish to pay tribute to all on the staff and faculty of The University of Western Ontario who add so much to our operation by their leadership, advice and friendly interest. It is our privilege to work within the terms of our Affiliation Agreement and to be related to the University through its Senate and Senate Committees for the preparing of our students for the degrees of The University of Western Ontario in the Faculty of Arts.

ST. PETER'S SEMINARY

AND

COLLEGE OF CHRIST THE KING

Report of the Rector

Monsignor Andrew P. Mahoney

St. Peter's Seminary College of Arts

In the coming year the College will welcome to its staff Thomas Alexander Francoeur, M. A., Ph. D., (Montreal), M. A. (Ottawa). Professor Francoeur's field of study is psychology and pedagogy. During the past year he has been lecturing at the famous catechetical centre, Lumen Vitae, in Brussels. He is especially competent in the area of psychological testing.

Dr. M. T. Ryan of the Philosophy Department was invited by the University of Ottawa to lecture at their annual Institute of Pastoral Studies. His contribution was two weeks of lectures on "The Relevance of Social Doctrine".

In the same field of social philosophy a few special Study Days were held during the year. A distinguished visitor was Mr. Frank Drea, of the USW, who lectured on the present position of the labour union.

The College of Christ the King

The College of Christ the King opened the tenth year of its existence with an enrollment of 184 students and four additions to the Faculty. To take the place of Dr. Daly who accepted a teaching position at McMaster University, Dr. W. H. Stockdale became Professor and Head of the Department of History. To replace Dr. Mulder who migrated to New York University, Mr. S. F. Gallagher, M. A., and Mr. T. J. Collins, M. A., returned from the National University of Ireland and Indiana University, respectively, where they had been working for the Ph. D. in English. Mr. Collins was awarded the Ph. D. by Indiana University in June. His thesis was entitled "The Development of Robert Browning's

Moral Aesthetic, 1833-55". No one replaced Dr. Craig who accepted a position with the Government of Canada in the Department of Labour. Mr. L. A. O'Hanley, M. A. (Marquette), joined the Faculty as an instructor in Philosophy.

Reverend L. C. Thomas, B. A. , was appointed Dean of Men in place of Reverend E. P. LaRocque who was assigned to St. Peter's Seminary by His Excellency, Bishop G. Emmett Carter, Bishop of London.

The second series of lectures on Aspects of the Visual Arts was resumed in January and February under the title "Masters and Masterworks of Sculpture". Following is a list of the individual lectures and lecturers:

January 7, 1965	Phidias and the "Golden Age", Dr. John Martin, Princeton University
January 14, 1965	Sculpture during the Augustan Principate, Dr. Donald White, University of Michigan
January 21, 1965	The Sculpture of Chartres, Dr. James Johnson, Cleveland Museum of Art
February 4, 1965	Donatello, Dr. Marvin Eisenberg, University of Michigan
February 11, 1965	Michelangelo, Dr. John Spencer, Oberlin College
February 18, 1965	Bernini, Dr. Wolfgang Stechow, Oberlin College
February 25, 1965	Rodin, Mr. Edward Henning, Cleveland Museum of Art
March 4, 1965	Twentieth Century Sculpture, Miss Athena Tacha, Oberlin College

Before the end of the academic year, His Excellency, the Bishop of London, announced that the Dean, Right Reverend L. A. Wemple, had resigned, that his resignation had been accepted, and that the Very Reverend E. P. LaRocque, M. A. , would succeed him. In May it was announced that Monsignor Wemple and Father J. J. Bensette, Bursar of the College and Lecturer in Mathematics, were assigned to St. Mary's Parish, London. It was also announced that Father L. C. Thomas, Dean of Men, was assigned to Precious Blood Parish, Windsor.

At the end of the year, Dr. Lenardon was promoted to the rank of Professor, Reverend P. E. Crunican, Dr. T. J. Collins, and Mr. S. F. Gallagher became Assistant Professors, and Mr. L. A. O'Hanley became a Lecturer.

The tenth year of the College was the best academic year in its short history -- 75.5% of the students passed all their courses in the spring examinations.

SUMMER SCHOOL
AND
EXTENSION DEPARTMENT

Report of the Director

Miss Angela M. Armitt

The past year has seen an increasing demand for continuing education, both at the credit and non-credit levels. The Summer School of 1964 was the largest held at this University to date. There was an increase in the number of students taking extension courses, with a decrease in the number of those registered for correspondence courses, a fact which will be explained later in the report. There was a rise also in the number of students taking non-credit courses in a considerably enlarged continuing education programme. The 1964 Summer School saw the introduction of a campus theatre made up of University faculty and students who presented some of the more modern and experimental plays, as well as some of the older and better known presentations. The average attendance for each of the plays was about 400.

The year also saw a heavy enrollment of recreation personnel in the In-Service Training Course in Recreation co-sponsored by the Department of Extension and Summer School and the Community Programmes Branch of the Department of Education.

The Department offered a greater variety of up-grading courses for high school teachers working toward their Type A certificates. Honours courses were given during the summer in Chemistry, English, Geography, History, Mathematics and Zoology, and during the winter in English, Geography, History and Mathematics. A refresher course in Physics offered by five senior members of the Physics Department to acquaint high school teachers with the new Grade 13 Physical Science Study Committee Physics course brought a large attendance. The success of this course resulted in plans by the Department to give a similar course the following summer. A proposed refresher course in Biology was deferred until the fall, so as not to conflict with similar courses given during the summer by two other universities. It was felt that, otherwise, there would be a duplication of effort and a heavier demand on our staff.

The International Nickel Company through its Inco Bursary Fund contributed substantially to the financial aid of secondary school teachers who were undertaking courses in Mathematics or Science, both during the Summer School and fall programmes. Our programme is one of the largest which International Nickel supports, and the amount of the grant has increased steadily.

This past year also saw the resignation of the Director, J. Archibald McIntyre, who left to take up an academic post in one of the newer universities. During the year Professor McIntyre spent four months in Hong Kong aiding the Department of Extramural Studies in developing more varied programmes and offering suggestions for extension courses for businessmen in Hong Kong.

Summer School

There was an increase of over 300 in the Summer School of 1964 compared to the registration of the previous year.

	<u>1963</u>	<u>1964</u>
Number of Students	1,678	1,986
Number of Registrations	2,441	2,754
Number of Instructors	85	91

The 1964 Summer School saw an increase in the number of registrations for languages at the 10 or 1-10 level. A decision of the Admissions Committee in 1963 had brought about a sharp drop in that year in the languages at the 10 level, but changes in 1964 resulted in increased registration, particularly in Spanish 1-10.

	<u>1962</u>	<u>1963</u>	<u>1964</u>
French 10	119	53	97
German 1	8	6	11
Latin 10	20	8	Not offered
Spanish 1-10	<u>76</u>	<u>48</u>	<u>77</u>
Total number registered	223	115	185

There was a trend toward a greater diversity in courses offered during Summer School. There were 62 courses offered in 1964 as compared with 50 in 1962. Correspondingly, there was a sharp increase in the number of instructors from 63 in 1962 to 91 in 1964. One of the reasons for the increase was due to the need for four or five sections in a number of courses. It was our happy experience to find that Departments were most willing to provide instructors for these courses. Most of the Summer School staff members came from our own faculty. In a few cases where Western faculty were not available, Department heads provided the Department with some fine teaching staff from other universities.

Part of the success for the increase in the number of students at Summer School has been the tremendous contribution and interest of a group of students who serve on the executive of the Summer School Students' Association. These students spend a great deal of time in the winter preparing cultural, social and athletic activities for the students during the summer. Their efforts and industry to make the Summer School students an integrated whole (six weeks does not allow too much time) have been remarkable. This Executive has been responsible for a very ambitious newspaper produced through the printing facilities of the Business School. The choir, made up of Music 20S and Music 30S students, under the direction of Mr. Earle Terry, made a very real contribution to the Summer School Banquet.

An interesting non-credit course offered during the summer was a reading course in Latin Poetry which drew a total of 19 students.

Extension Classes

In addition to 25 classes offered in London, 36 classes were offered in the following Extension centres: Brantford, Chatham, Clinton, Sarnia, Simcoe, Stratford, St. Thomas, Tillsonburg and Woodstock. There were 1,179 students registered as compared with 1,035 in the previous year. While there was some difficulty in obtaining instructors for this wide offering of classes, only two had to be cancelled because instructors were not available. One of the problems in offering extension classes is to find instructors, particularly because teachers demand more courses in certain fields which they feel are very helpful to them in their teaching, and these requests sometimes place a heavier burden on certain departments. Public and high school boards in the centres outside London have been most co-operative in offering space for these classes, the largest extension centres being Brantford, Chatham and Sarnia. Students in all centres write the same examinations as the intramural students and, of course, at the same time.

Correspondence Courses

The number of students registered for correspondence courses decreased from 426 in 1963 to 329 in 1964. There are two reasons for this drop in correspondence registration. The Department, in an attempt to find out why correspondence students were dropping courses in large numbers, made a survey and found that most of the drop-outs were amongst the students who had not previously done university work, or amongst those students who had been getting 'D' grades. For this reason, in an attempt to improve the level of correspondence courses and to cut down the drop-outs, two rules were introduced for correspondence work. First, a student must have completed two university courses before attempting correspondence work, and secondly, he must have a 'C' average on all university work previously done. This curtailment of registration has had a remarkably good influence on correspondence registration resulting in better grades and fewer drop-outs. Correspondence courses were offered in the following fields: English, French, Geography, German, History, Latin, Philosophy, Psychology, Sociology and Spanish.

In-Service Training Course in Recreation

In June 1965 the In-Service Training Course in Recreation offered through the Correspondence Division of the Department was officially concluded. This three-year course was designed originally to fill the needs of people in the field of recreation in Ontario. While most of the students were from Ontario, a number from other provinces and from the Canadian Armed Services were also enrolled. The Department has co-operated most effectively with the Community Programmes Branch of the Department of Education in offering the course.

During the past year, 106 persons obtained certificates for the successful completion of the course made up of correspondence work and three annual on-campus, week-long training programmes. An additional 175 had completed the course in the preceding nine-year period, 1955-64.

Non-Credit Continuing Education Courses

The demand for non-credit courses continued to increase. The total enrollment of 811 in these classes represented an increase of 30% over the previous year.

Courses in the liberal arts, the fine arts and science brought an enrollment of 443 or 55% of the total. Special training and refresher

courses accounted for the balance, and included courses for accountants, administrators, teachers and other professional and occupational groups. These continuing education classes were open to all those who wished to continue study, but were not working toward degree credit. It is interesting to note, however, that a large proportion of those registering had already taken or completed some form of advanced education as is shown in Table I.

TABLE I

Distribution of Non-Credit Enrollment by Education

<u>Public School</u>	<u>High School</u>	<u>University</u>	<u>Other</u>
4%	27%	56%	13%

As might be expected from the information above, most of the registrants were engaged in occupations requiring advanced education as is illustrated by Table II.

TABLE II

Distribution of Non-Credit Enrollment by Occupation

<u>Medical, Legal, Teaching and Other Professions</u>	<u>Housewives</u>	<u>Sales and Supervision</u>	<u>Office Workers</u>	<u>Others</u>
48%	15%	14%	8%	15%

While a great deal more research is needed concerning those interested in non-credit courses, available information raises questions concerning the role of the Extension Department of the University in the Continuing Education field. There seemed to be a need for more courses in the Fine Arts. Almost one-half of the registrants were interested in updating their occupational and technical knowledge. In an era of social and technological change, the demand for such courses is likely to continue. The splendid response of the teaching faculty to requests for courses in the non-credit field has been most heartening and has been vital in maintaining and increasing the outreach of the University into the surrounding community.

The Extension Department has co-operated with Labour in offering a week-end Labour Institute, with the Dean of Men in offering a Guidance and Counselling Conference, and with the Appraisal Institute in providing lectures in Land Appraisal.

The counselling of credit students endeavouring to co-ordinate a programme of Summer School and Extension and possibly Correspondence courses continued to be one of the most time consuming, although rewarding, activities of the Department. The recent increase in numbers, both during the summer and the winter, has made it increasingly difficult to provide the counselling needed particularly for Adult Special students who are increasing in numbers each year.

TROIS-PISTOLES SUMMER SCHOOL

Report of the Director

Associate Professor T. J. Casaubon

Student enrollment at the Trois-Pistoles Summer School for the 1964 session stood as follows: 82 students were registered in the French course and 70 attended; 49 students attended the English course; 14 students participated in the landscape and painting course; 47 students registered and attended the course in Art Appreciation given in the evening by Mr. Louis Belzile. It is interesting to note that 17 local students were registered in the English course. Twenty-nine school teachers were sent by the Ministère de l'Éducation to attend the School of English. In the case of these teachers, the Province of Quebec absorbs the cost of tuition and grants a stipend of \$75 per person to defray cost of room and board.

A special class has now been organized for all adult students. This new departure provides the opportunity for older students to work with people of their own age and permits the instructor to present a course which is more practical in nature and answers more fully the needs of adult and professional students. Two hours a week of conversational work have been added to the courses. Students now have three hours of instruction in the morning, and one hour in the afternoon, six days a week. With the increased number of university students attending the Trois-Pistoles Summer School, we find it necessary to intensify the academic requirements in order to equate with those of the universities. The course now represents a total of 125 tutorial hours. Students in advanced sections, English and French, write a total of four one-hour examinations, and must also give a five-minute oral speech twice in the course of the summer.

Mr. Achille Ferland teaches the phonetics course in the School of French.

The conversational classes in the afternoon are organized and directed by Mr. Clément Paradis and Mr. James Coulton.

Congratulations are due to Messrs. A. Ferland and John Lillie who organize and direct a student choir three evenings a week.

The choir rehearsals are very popular and well-attended. These provide opportunities to sing in both languages and enable the students to make a contribution to our annual radio programme in Rivière-du-Loup.

A fifteen-minute talk on the Rimouski television station was presented by the Director. The purpose of this presentation was to explain the organization, goals and purpose of our Trois-Pistoles Summer School.

The students were able to participate in an active recreational programme of bowling, swimming, tennis, etc. These activities were planned by Mr. Carl Theodore, Mr. M. Moalli, Mr. R. Durocher and Miss Suzanne Bélanger.

Mr. Louis Belzile presented a series of talks in Art Appreciation. These were scheduled on Tuesday and Thursday evenings. A total of 47 students were registered for these lectures. A fair number of local citizens and summer tourists are now attending these lectures.

We regret that M. Mario Moalli and Mr. Don Carson will not be able to teach at the Summer School any longer. M. Moalli has just been appointed Director of the Montreal bilingual schools, and Mr. Carson will be teaching for the Ontario Department of Education Summer School for Secondary School Teachers. These two men have made a valuable contribution to the work and life of the school and have distinguished themselves for their great teaching ability.

We regret the deaths of M. Hervé Larivée, M. A. Rioux, M. J. Hervé Rousseau, N.P., and Dr. Epiphane Litalien, all members of our Advisory Committee. These men were all active members of our Committee and enthusiastic supporters of our work.

Dr. Epiphane Litalien merits special mention indeed. He was the Mayor of the Town of Trois-Pistoles at the time of the founding of our Summer School. He welcomed and seconded the efforts of its founders and gave generously of his time and energy to ensure the smooth operation and success of the School.

The following have been added to our Advisory Committee: Dr. Chanel Dupuis, M. Guy Bérubé, Dr. Jean Pérodeau.

THE UNIVERSITY LIBRARIES

Report of the Chief Librarian

Professor J. J. Talman

The University Library system continued to grow at an unprecedented rate during the year, 1964-1965. The effects of the rapid expansion were felt in all departments, where the steadily increasing load of work made it necessary to hire new staff and to implement new methods.

Discussions for a new building to house the General Library were begun. The Medical Library moved from its old quarters on South Street to the new Health Sciences Centre complex on campus. At the same time work progressed on the library for Althouse College of Education and the library for the Natural Sciences Centre. It is anticipated that they will be opened during the next academic year.

Planning was also begun for the setting up of an undergraduate library in Talbot College and for the developing of collections for the new Faculty of Dentistry.

Accessions

Accessions in the University libraries rose again this year, with a total of 38,543 volumes added to stock. This figure, when compared with the previous year's accessions of 26,676, shows a rise of 44.5 per cent.

In addition, the Acquisition Department was faced with the task of purchasing a basic collection of books for the Althouse College of Education library, to be ready in the autumn of 1965. Miss Jelena Smrekar, assistant-in-charge of acquisitions, and her staff are to be complimented on the way they handled their problems.

The policy of adding new subscriptions and of completing back-runs of journals was continued. Mr. Mervyn Colley, assistant-in-charge of periodicals, reported that the libraries of the University now subscribe to 4,133 journals, a rise of 400 over the previous year.

The Library continued to strengthen its basic research collections. Noteworthy additions in this field were the final volumes of the British Museum Catalogue, the Catalogue général des livres imprimés de la Bibliothèque Nationale, the Internationale Bibliographie der Zeitschriften Literatur and Yale University's Human Relations Area Files, a world-wide, cross-cultural collection of microfiche material. Other accessions included the printed version of the Classified Catalogue of the Engineering Societies' Library, the Camera "A" series of Ranger VII, photographs of the moon, published by the U. S. National Aeronautics and Space Administration, Pascal's Nouveau Traité de chimie minérale, and further reels of Pollard and Redgrave Short Title Catalogue... 1475-1640, (now complete) and Wing Short Title Catalogue... 1641-1700.

Cataloguing Department

In last year's report it was noted that the Cataloguing Department, under the direction of Miss Jean Elson, faced an enormous problem as new acquisitions flowed in at an unprecedented rate. The pressure this year continued to grow. New methods were introduced to expedite the passage of books through the Department and again the staff was increased.

Despite the shortage of qualified librarians in Canada, we have been fortunate in being able to increase the number of professional cataloguers by a third. At the same time the clerical staff has been doubled. Miss Elson has, therefore, not only been faced with an ever-growing work load, but has also had to implement a training programme for the new members of her staff. She is to be congratulated on the hard work and willingness of her department, the result of which has been another substantial rise this year in the number of books catalogued.

Mention is merited of the contribution made by the Education librarian, Miss Sally McCrae, in building up the stock for the library of the planned Althouse College. She began this project in February and continued with it steadily throughout the year.

Readers' Services

The following summary of statistics, drawn up by Mr. John Macpherson, Chief of Readers' Services, shows the circulation for the year 1964-1965 compared with the previous year.

	<u>1963-1964</u>	<u>1964-1965</u>
General Library	114,899	134,453
Middlesex	9,483	9,516
Biology and Geology	4,417	6,071
Physics and Chemistry	3,025	3,979
Business	12,878	12,332
Engineering	3,480	3,563
Nursing	6,631	6,764
Music	<u>2,266</u>	<u>1,303</u>
	157,079	177,981

An outstanding drop is shown in the number of books circulated in the Music Reading Room. Here the opening hours were increased during the year from ten hours per week to 44 hours per week. At the same time there was a sharp rise in the number of books restricted to "Library Use Only". Consequently, the statistics are not a true indication of the use made of the Music collections. (Indeed, no circulation figures provide an accurate picture of the total use of any library materials.)

Interlibrary Loans

The Interlibrary Loans Service expanded so rapidly that in May it was necessary to transfer the Service from the General Library Office to Room 203A, adjoining the Bibliographical Centre. The staff was doubled and, under the direction of Miss Norma Stringer, became a part of the Circulation Department.

The following table compares the statistics of the past two years. Loans made by this library have grown by 42 per cent, while the number of books borrowed from other libraries has gone up 62 per cent. This growth in the work of the Service can be explained by the increasingly specialized demands made upon it by members of the faculty and by graduate students.

STATISTICS

<u>General Library</u>	<u>Outgoing</u>	<u>Incoming</u>
1964-65	1,083	2,712
1963-64	760	1,669
 <u>Medical Library</u>		
1964-65	672	405
1963-64	643	438

General Library

The effort to secure more full-time assistance in the Circulation Department was successfully continued. Three professional librarians were added to the staff together with more full-time assistants. It has, therefore, been possible for Miss Frances Rothwell to staff the Main Reading Room with trained librarians throughout the day, and to staff the two undergraduate reading rooms with permanent full-time assistants. An improvement in the service was thus achieved.

The addition of these extra librarians enabled us also to initiate a long-needed service. A Reference Desk was set up in the Main Reading Room to which all inquiries are channelled, thus separating the reference and circulation functions. It was also possible to revise the stock in the Reference Collection and in the Bibliographical Centre. Thanks to the additional staff, work was begun on preparing the List of Journals, which will maintain a record of all journals currently received by the university libraries, except Medical. The rapidly expanding list of titles being received will necessitate quarterly revisions.

Science and Engineering Reading Rooms

Miss Jean Hooper reported an increase of 24.6 per cent in circulation and a general rise in the reference service undertaken by her staff.

In April, when the Biology and Geology Reading Room was converted into a laboratory, Dr. D. G. G. Kerr, Principal of Middlesex College, kindly permitted the entire stock of books and journals to be relocated in the Middlesex College Reading Room. There it is to remain until the library in the Natural Sciences Centre opens.

Business Reading Room

Mr. John Hoover reported that he has continued to co-operate with the Godfrey Memorial Library, Middletown, Connecticut, in the publication, on microcard, of the annual reports of the companies trading as industrials on the Toronto Stock Exchange. It is hoped that, on Mr. Hoover's recommendation, the service will be expanded to provide a comprehensive coverage of the mining stocks on the Toronto Exchange, as well as the listings on the other Canadian exchanges, located in Montreal, Winnipeg, Calgary and Vancouver. Subscribers to the service include both Canadian and American libraries. The project was initiated by Western in 1964.

Government Documents Collection

Under the direction of Mr. Clarke Leverette, the Government Documents Collection has developed rapidly this year. Separate collections were set up for the publications of Great Britain, the United States of America, the United Nations and the United Nations Agencies. Standing orders were placed for all the publications of the Organization of American States, U. N. E. S. C. O. and the United Nations. Microprint editions of the United States Congressional Hearings, Studies and Reports from 1956 to date and the publications of more than a dozen departments from 1958 to date were received and placed on standing order.

Regional History and Treasure Room Collections

Because of the continued expansion of the Regional History Collection, two part-time assistants were added to the staff. Miss Anne Sexton, Regional History and Treasure Room Librarian, received assistance from Mr. Donald Pole in the cataloguing of the library's collection of historical maps, while Mrs. Carolyn Nice helped with the sorting and description of the manuscript collections.

In July, Dr. Richard C. Overton deposited, on temporary loan, the Cunningham-Overton Railway Collection in the Regional History Collection, where it was made available to students taking Dr. Overton's postgraduate course in United States History. This deposit, combined with other valuable materials available to graduates taking courses in other fields, has made for greater use of both the Regional History and Treasure Room Collections. The number of users of the collections trebled during the year.

Law Library

Dr. Margaret Banks, Assistant Librarian -- Law, reported that 2,242 volumes were added to the Law Library compared with 1,531 during the previous year. The total number of books now accessioned is 21,535.

Notable additions were sets of Canadian, English, Scottish, Irish, South African and International law reports and related material. Two additions worthy of special mention are: the Times Law Reports, purchased from a memorial fund established by friends of the late A. B. Siskind, Q. C., and the complete set of the Trials of the Major War Criminals before the International Military Tribunal, Nuremberg, 14 November, 1945 - 1 October, 1946, given to the Library by the Honourable I. C. Rand, on his retirement as Dean of the Faculty of Law. A long run of two units of the National Reporter System was received from Hiram Walker and Sons Limited, Walkerville, Ontario.

Circulation totals were 3,413, a decrease of 102 from the previous year. However, as the law reports, statutes and journals may be consulted only in the library, these figures do not give a complete picture of the extent to which the collection is used.

Medical Library

Dr. Olga Bishop, Assistant Librarian -- Medical, reported that 3,186 volumes were added to the Medical Library as compared with 2,151 the previous year. The total number of volumes now accessioned is 66,010.

Many gifts were received from friends of the library. These valuable additions helped to fill not only the gaps in the periodical collection but also enabled the library to obtain other periodicals through exchange. Special mention must be made of three gifts: Albinus, Tables of the skeleton and muscles of the human body, 1749, presented by Mrs. Herbert N. Watson, Cobblehill, B. C., at the request of her late husband Dr. Watson; Pare, Works 1678, presented by Dr. F. J. R. Forster, Stratford; and a lengthy run of the Year Book of Dentistry presented by Dr. J. O. McCutcheon of London. Gifts of money were received from the London Academy of Medicine and the College of Physicians and Surgeons of Ontario.

Circulation totals were 14,085, an increase of 1,341 over 1963-64.

Staff Activities

Dr. J. J. Talman continued as Chairman of the Microfilm Committee of the Canadian Library Association and as a member of the Historic Sites and Monuments Board of Canada. He also served on the large University committee on library expansion and as secretary of the ad hoc committee set up by Vice-President M. K. Inman to make recommendations regarding a library school. He attended various sectional meetings of the Ontario Library Association, and was a speaker at one meeting.

Dr. J. P. McLaughlin attended the I. B. M. Conference on Automation of Libraries held in Binghamton, N. Y., in October 1964. In April of this year, he attended the meetings of the Society for French Historical Studies held at Columbia University, New York.

Dr. Olga Bishop, Assistant Librarian -- Medical, was elected Vice-President (President-elect) of the Institute of Professional Librarians of Ontario. In February, in Ottawa, she attended a special meeting of the Canadian Library Association Committee on Medical Sciences Libraries. In May, at the annual meeting of the Ontario Library Association, she was elected Vice-Chairman (Chairman-elect) of the Ontario College and Universities Section. In June, she attended the annual meetings of the Medical Library Association, held in Philadelphia, and the annual meetings of the C. L. A., held in Toronto. She was elected Secretary of the Canadian Association of Colleges and University Libraries.

Dr. Margaret Banks, Assistant Librarian -- Law, served as Treasurer of the Canadian Association of Law Libraries and was also a member of the Scholarship Committee. In February, she attended the mid-winter meetings of the Association in Toronto.

Miss Jean Elson, Chief of Technical Services, attended the Fall Workshop Meeting of the Ontario Library Association, Ontario Resources and Technical Services Group, held at McMaster University in November 1964. The subject under consideration was "Libraries and Automation". In March, accompanied by Mrs. Grace Patterson of the Cataloguing Department, Miss Elson attended the Spring Meeting of the Ontario Library Association, College and University Libraries Section, which took place at the University of Toronto.

Mr. John Macpherson attended several professional meetings.

Miss Frances Rothwell, accompanied by Miss Adele Greenway, Miss Anne Seheult, Miss Norma Stringer and Miss Margaret Turner, attended the Canadian Library Association meetings held in Toronto in June.

Miss Anne Sexton attended the course in Archival Principles and Administration sponsored by Carleton University, Ottawa, and given last July in co-operation with the Public Archives of Canada and the Archives Section of the Canadian Historical Association. In January, she attended the inaugural meetings of the Richard Maurice Bucke Memorial Society held in Montreal. In February, she visited the Provincial Archives of Ontario to study archival methods and procedures. In May, she was elected to the executive of the London and Middlesex Historical Society as a Director. She also attended the Second Seminar held by the Ontario Genealogical Society. In June, she attended the Nineteenth Institute on Modern Archives Administration held in Washington, D. C., sponsored jointly by the American University and the National Archives of the U. S. A. Miss Sexton is now an accredited archivist.

Miss Jean Hooper attended the course in Abstracting and Coordinate Indexing which was given in Toronto by the Battelle Memorial Institute in February.

Miss Ruth Sanderson attended the Ontario Library Association meetings held in Niagara Falls in May. In June, she attended the Canadian Library Association meetings held in Toronto. She also attended sessions of the Seminar for Senior Nursing Executives held in the School of Nursing here at Western.

Mr. Clarke Leverette and Mr. Edward Phelps attended a Regional Workshop on Materials Handling held in London in January under the auspices of the Ontario Library Association's Reference Workshop. In April Mr. Phelps was elected Secretary of the Lambton County Historical Society and in June he attended the Ontario Historical Society meetings.

Gifts

It is not possible to enumerate individually the many donations received by the University Libraries during the year. The generosity of the donors of money, books, manuscripts and periodicals is much appreciated.

The Canada Council made a grant of \$5,000 for the purchase of material in the field of Russian studies and, in May, approved a grant of \$5,000 for the purchase of material in the field of Latin American studies.

Mr. Charles E. Feinberg continued his gifts of material related to the late Dr. Richard Maurice Bucke, by sending a number of issues of the Conservator to help complete our file. He also presented to the University copies of letters between Dr. Bucke and Horace Traubel which describe the last years of Walt Whitman's life.

During February, the Library received the first four volumes of the Canadian Century Series as a gift from the Richardson Century Fund.

A grant of \$1,000 made to the School of Nursing Library Fund by the A. E. Silverwood Foundation, and the establishment of the Richard Ivey Foundation, School of Business Administration Library Book Fund, are both gratefully acknowledged.

Staff Changes

We were fortunate this year in that we retained our entire professional staff, with one exception. Dr. J. P. McLaughlin, who made a valuable contribution to the Library, resigned from the position of Deputy Chief Librarian, to devote his full time to the teaching of history. He left the staff on June 30.

Mr. John Macpherson, Chief of Readers' Services, was promoted to Deputy Chief Librarian, effective July 1. It is a matter for congratulation that the library staff is of such quality that a replacement could be made by promotion from within the system.

Thanks are due all members of the Library Staff, both professional and non-professional, for their enthusiasm and hard work. This year has not been an easy one, but there were no complaints. Problems were faced with cheerfulness and initiative by those who had to deal with them. My special thanks must go to Miss Sexton who collected and edited all the material used for this report.

MUSEUM OF INDIAN ARCHAEOLOGY

AND PIONEER LIFE

Report of the Curator

Dr. W. W. Jury

The Museum displays in Middlesex College continue to attract the attention of University students and visitors. Several hundreds of school children from London and area are conducted annually through the exhibits. We are host to The London Archaeological Society for one meeting of each year.

The gun collection is increasing with special attention being given in the past few years to guns manufactured in the London district. We are indebted to a few generous local gun collectors who have made donations of interesting pieces realizing the educational value and permanency of the collection.

Due to the responsibilities of projects outside the University, the Curator can spend little time on the University collections. The Fanshawe Pioneer Village, a joint project of the University and the Upper Thames Valley Conservation Authority, now consists of ten buildings furnished with household furniture, tools, implements and other accessories of pioneer origin. The Conservation Authority employs a curator and a groundsman, and one or two University students as guides.

A permanent assistant, directed from the University Museum, with full time duties to develop the Fanshawe Pioneer Village, should be appointed. Much of the valuable and rare material of the Jury Collection is inadequately and dangerously stored in barns on the Authority property. Buildings should be raised to complete the site, in which the various objects in the collection would find their proper place. However, adequate supervision is necessary for such a project and, until a permanent curator can be provided, further development cannot be expected.

A most valuable donation to the University in the past year was the site of the pre-historic Indian Village, known as the Lawson Site. This is a portion of the farm owned by the family of the Honourable Ray Lawson, which was excavated several years ago by the National Museum of Canada.

It is one of the best known sites in North-Eastern America.

The University is deeply appreciative of this fine gesture on the part of Col. Thomas Lawson, and his father the Hon. Ray Lawson, and we trust that steps will be taken immediately to develop the site into an educational and recreational feature for the area.

The work of the Huronia Historic and Development Council, a board appointed by the Provincial Government is now well-known throughout the province. Its present project is the reconstruction of the Jesuit Mission site of Ste. Marie near Midland under the supervision of the University of Western Ontario, with the Museum Curator as Director.

This project is now entering its third year with several buildings and the canal completed. An extensive research programme is in progress, including studies in France and Italy. The report of the excavations of Sainte Marie, published under the title of Sainte Marie - among - the - Hurons (Oxford, 1953) was reprinted in a paperback edition in June, 1965.

An Advisory Committee appointed from the University staff has given invaluable assistance in this undertaking and I would like to take this opportunity of expressing my most sincere gratitude for their generosity in devoting much time and their many talents to this work -- to the Chairman of this committee, Dr. G. E. Hall, to the recently acting-chairman, Dr. R. N. Shervill, and to Mr. Ross Willis, to Mr. R. R. Glover, Mr. John Shortreed, Dr. E. G. Pleva, Dr. Gordon Suffel, Dr. Alan Wilson, Professor K. Kidd, Dr. John Hyatt, and to Dr. Hartley Thomas, my thanks.

At Penetanguishene we continue to maintain the site of the former Military and Naval Establishment and supervise the Officers' Quarters Museum. In preparation for the development of this site at the completion of the Sainte Marie project, an advisory committee similar to the Sainte Marie Committee has been recently appointed. Captain R. F. Smith has been appointed as Research Director for the Military and Naval Establishments at Penetanguishene.

The Huron Indian Village is under our supervision. In 1965, 35,000 school children were conducted through the Indian Village in the months of May and June alone.

University students are engaged as guides at each site under our supervision -- at Fanshawe Pioneer Village, the Huron Indian Village, Military and Naval base at Penetanguishene, and at Sainte Marie.

DEPARTMENT OF THE DEAN OF WOMEN

Report of the Dean

Dr. Leola E. Neal

During the past decade there has been a shift in emphasis in education to the university level. As a result, women have been made more aware of the need to develop their intellectual potential, and they have entered universities in greater numbers. This trend is evident at this University. A year ago 1,847 (32.32%) of the 5,714 full-time intramural students were women. This year, of the 6,215 full-time students, 2,042 (32.86%) were women. This represents an overall student increase of 8.77% and a 10.56% increase in women. The largest increase, 48.39%, was in the Faculty of Graduate Studies.

In the constituent University, there were 1,672 women students (an increase of 11.30%) and most of them (1,300) were in the Faculty of Arts and Sciences. There were 54 women registered in the College of Music, four in the Faculty of Engineering Science, 25 in the Faculty of Medicine, two in the Faculty of Law, three in the School of Business Administration, 192 in the School of Nursing, and 92 in the Faculty of Graduate Studies. Of the 927 students in the affiliated colleges, 370 are women. The latter figure is interesting and is mentioned because a number of these students are registered for courses in the constituent University.

Student Activities

The women students play an active part in student government and university affairs. They have planned many of the social affairs, served as executives of clubs and taken part in dramatic and musical productions. A few are outstanding athletes and a great many others have participated in the varied, well-organized intramural athletic programme.

There are still only three Greek letter organizations for women on the Campus. The total membership is 148. The sororities are strong groups governed by a Pan-Hellenic Council, and there is excellent esprit de corps among the members. Each group is, of course, interested in promoting the ideals of its own national organization, but each does so only if these ideals are compatible with those of the University. Several national

organizations have shown interest in establishing new groups on our Campus. The quality point academic average for women was 1.743, for men 1.533. Of 11 sororities and fraternities, the women's groups ranked second, third and fourth.

As the Awards Officer points out in his report, the women receive more scholarships than the men. Of the 104 Ontario Scholars 61 or 58.65% were women. The student with the highest average on admission was a woman. Her Grade XIII average on nine papers was 90.11%. Of the 267 full-time undergraduate students who earned a cherished first and whose names appeared on the Deans' Honours List, 91 were women. This year at graduation, women won fewer gold medals, 13 out of 43. In the Faculty of Arts and Sciences, of the 35 medals 11 were won by women.

Twenty-seven women received graduate degrees during the year: one Doctor of Philosophy, one Master of Science, four Master of Science in Nursing, and 21 Master of Arts. At the Spring Convocation, three outstanding women, Dr. Dorothy Turville, Dr. Helen M. B. Allison and Dr. E. Margaret Savage, received honorary degrees. These women have all, because of their superior intelligence and colourful personalities, brought distinction to the University. As well, Dr. Turville and Dr. Allison have made unique contributions to Western as members of the faculty and administration. This recognition of their fine qualities and years of service is pleasing to all Alumni.

Spencer Hall

The number of applications and inquiries about residence accommodation again increased, this year by 142. The total number reached 573. There were 96 freshettes, seven upper class students, and one transfer from another university in residence. Of the freshettes, 44 were registered in Middlesex College, 51 in University College and one in the College of Music.

Of the 35 students at Spencer Hall during Summer School, 32 were registered at Western, three at Althouse College of Education, and five for a special Latin Poetry Course. One special group (61 men and seven women), namely the Canadian Association of Advertising Agencies, was in residence August 27 to 31.

In last year's Report it was mentioned that the Advisory Committee on the Second Women's Residence had submitted its report to the President. The report was accepted, plans were prepared by the architect, and the contract for the new building to house 456 was awarded

on April 9. Work began immediately, and the new residence should be ready for occupancy September 1, 1966. With Spencer Hall, there will be total accommodation for 560 students. The new residence should be a tremendous asset. It is earnestly hoped that living in a residence hall will greatly enrich the student's life -- not merely provide food and shelter. The way in which a student lives largely determines her physical and mental health, the attitudes that guide her actions and, indeed, the very quality of her work. As our Campus expands, the feeling of belonging provided by a residence unit should mean a great deal to the individual student.

Miss Shirley Mason, the Acting Warden for the past three years, resigned to continue graduate study. The members of the Advisory Committee on Spencer Hall appreciate and are grateful for the leadership she and the several Dons have provided at the residence from 1962 to 1965.

The Spencer Hall Student Council presented a silver tray to the University, and I am happy on behalf of the Advisory Committee on Spencer Hall to recognize and thank the Council for this gift.

University Housing Bureau

Because our residence accommodation is limited, many of our students live in off-campus housing. In order to locate suitable living quarters, they use the facilities of the Housing Bureau. Mrs. Browett, the Secretary, and her staff placed a record number of students, 1,419, in the 12-week period, July to October. There were 1,692 student applications and 2,069 telephone calls. The Housing Bureau was open on a part-time basis for an additional three weeks. The members of the University Housing Committee wish to thank Mrs. Browett and her assistants for the efficient way in which they handled the manifold problems.

Counselling

A great deal of my time is devoted to personal counselling. Students make appointments for interviews and discuss their varied problems. Personal counselling is concerned not only with emotional difficulties but includes problems associated with academic work, housing, employment, vocational choices and finance.

Mushrooming enrollment in some respects seems to compound and confuse the problems. Students often wonder where to seek help and

lines of communication are obscure. A special committee was appointed by the President to confer with the University Students' Council about the desirability of establishing a formal counselling department. Recommendations were submitted and tentative plans were made to expand existing counselling services.

It would be impossible to function effectively as a counsellor without the help of my colleagues in the University Health Service, and the academic and the administrative facets of the University. As well, in counselling students one is acutely aware of one's indebtedness to all those who provide material assistance. Without student aid many of our bright, conscientious students would not be able to obtain a university education. The gracious co-operation of all concerned is sincerely appreciated.

DEPARTMENT OF THE DEAN OF MEN

Report of the Dean

Mr. T. L. Hoskin

In 1964-65 there were 5,288 full-time graduate and undergraduate intramural students in the Colleges and Schools of the constituent University. Of these 3,616 (70%) were men. In the past two years, the number of male graduate and undergraduate students has increased by about 1,000.

Since its inception, many years ago, this department has endeavoured to make its function an integral part of the educational programme. It has provided, as far as humanly possible with the staff available, a number of selected services to assist students who have the ability and the desire to benefit from educational opportunities available to them at this University. To this end it has pioneered the student personnel point of view which is now so widely accepted in Canadian universities. This report contains a review of these services and other matters related to this department in 1964-65.

Counselling

Students, like everyone else, have questions to be answered and problems to be solved. This is not necessarily a sign of weakness in the complex and rapidly changing world of today. Young scholars must be encouraged to ask questions and seek help whenever they need it if we are to prevent student problems from producing problem students. The earlier student problems, academic or personal, are identified, the easier it is to do something about them. The co-operation of faculty members in receiving and making student referrals has been appreciated very much by this department.

During the year, an ad hoc Committee chaired by the Dean of Men with representation from the University Students' Council, faculty and administration was appointed by the President to review a U. S. C. report on student mental health. After a series of meetings, the Committee gave unanimous support to the following recommendations to the Board of Governors where they were approved in principle for 1965-66:

1. That a clinical psychologist be appointed to the staff of the

Health Service Office to:

- (a) Interview, counsel and, when required, refer to the medical staff students with emotional and psychological problems;
 - (b) Organize, develop and supervise a programme of mental hygiene for students;
 - (c) Promote and maintain effective liaison with members of faculty and all other members of university staff working closely with students.
2. That the University Calendars and Student Handbook carry explicit information concerning the counselling services available to students.
 3. That academic advisers be appointed in each college and school to interview students with unsatisfactory academic achievement, attendance or deportment and, when necessary, to refer these students promptly to the appropriate counsellor on campus.
 4. That research studies dealing with student mental health be continued, but under the direction of qualified personnel.

The psychologist in a university's mental hygiene programme really has three primary functions. First, he acts as a member of a diagnostic and therapeutic team. Second, he provides technical aid to other members of the team, and third, he directs his efforts towards prevention using information gathered through continuing research on student problems. This department looks forward with much confidence and great faith in the advantages of an appointment of this kind at Western.

Student Financial Assistance

During the year, Mr. B. E. Smith, the Awards Officer, interviewed approximately 2,000 applicants for financial assistance in the form of bursaries, grants and loans. During peak periods, the staff of the Dean of Men's Office assisted the Awards Officer who had an almost impossible task thrust upon him by the sudden introduction of the Canada Student Loan Plan last September.

Mr. Smith reports that 51% of the full-time intramural graduate and undergraduate students received aid in 1964-65 totalling just over \$2,000,000 of which about half was repayable.

SUMMARY OF STUDENT FINANCIAL AID - 1964-65⁽¹⁾

(Bracketed figures are for 1963-64)

	No. of Awards	No. of Students Assisted	Value of Aid \$	Average Amount Per Student Assisted	Number of Full-time Students	Percentage of Student Body Assisted
Undergraduates	3,473 (2,107)	2,282 (1,533)	1,487,764 (773,535)	660 (505)	4,480 (4,160)	50.3 (36.8)
Graduates	662 (599)	436 (480)	536,438 (574,485)	1,230 (1,197)	779 (647)	56.0 (74.2)
GRAND TOTAL	4,135 (2,706)	2,718 (2,013)	2,024,202 (1,348,020)	745 (669)	5,259 (4,807)	51.7 (41.8)

(1) This year's figures exclude approximately \$280,000 paid to 297 students in assistanceships, demonstratorships, etc. This borderline type of aid, considered this year as pay for services rendered, was included in the 1963-64 report.

The following table from Mr. Smith's report shows the average bursary for a first year student to have been \$370 as compared to \$281 for all undergraduates. For scholarships, these figures are \$434 and \$393. A smaller percentage of first year students (29.3%) than that of all undergraduates (32.8%) received loans.

ASSISTANCE FOR FIRST YEAR STUDENTS

RELATIVE TO ALL UNDERGRADUATE ASSISTANCE

(Bracketed figures are for 1963-64)

BURSARIES

<u>Number in Course</u>	<u>Number Assisted</u>	<u>Percentage Assisted</u>	<u>Average Amount Per Student Assisted \$</u>
1,060 G. P. II (Arts)	273	25.8	355
395 G. P. I (Sc.)	104	26.3	407
95 Engineering	32	33.7	379
1,550 All First Yr. Students	409 (317)	26.4 (22.2)	370 (432)
4,480 All Undergraduates	1,041 (812)	23.2 (19.5)	281 (366)

ONTARIO AND UNIVERSITY-ADMINISTERED SCHOLARSHIPS⁽¹⁾

<u>Number in Course</u>	<u>Number Assisted</u>	<u>Percentage Assisted</u>	<u>Average Amount per Student Assisted \$</u>
1,060 G. P. II (Arts)	113	10.7	427
395 G. P. I (Sc.)	70	17.7	449
95 Engineering	10	10.5	405
1,550 All First Yr. Students	193 (129)	12.5 (9.0)	434 (497)
4,480 All Under-graduates	320 (268)	7.1 (6.4)	393 (465)

(1) Last year's figures include scholarships which were not university-administered and which, this year, are classified as "Other Awards".

LOANS

<u>Number in Course</u>	<u>Number Assisted</u>	<u>Percentage Assisted</u>	<u>Average Amount per Student Assisted \$</u>
1,060 G. P. II (Arts)	335	31.6	624
395 G. P. I (Sc.)	91	23.3	605
95 Engineering	29	30.5	359
1,550 All First Yr. Students	455 (119)	29.3 (8.3)	610 (411)
4,480 All Under-graduates	1,467 (561)	32.8 (13.5)	604 (409)

Notes:

1. 51.7% by value of all Bursary and Grant Assistance was paid to first year students.

2. 66.6% of all Scholarship Assistance went to students in their first year.
3. 31.3% of all Loan Assistance paid to undergraduates was paid to first-year students.

Nearly all students receiving gift-aid received a combination of gift-aid and loan-aid. As a rule, the proportion of gift-aid to loan-aid was 40-60 for men and 50-50 for women. First year students were excluded from this formula to compensate for their shorter period of summer employment.

The percentage of students receiving loans rose from 13.3% in 1963-64 to 31.5% in 1964-65, while the average loan increased from \$417 to \$609.

This sharp rise in loans resulted from the greater availability of funds through the Canada Student Loan Plan which raised the annual loan ceiling, per student, to \$1,000 from \$500. Loans were made only where need was evident and, consequently, our per capita loan figure was the second lowest among Ontario universities.

It is difficult to say to what extent, if any, the C. S. L. Plan, with its wide publicity, may have caused unnecessary borrowing. Previous student-aid loan figures do not give total educational borrowing because inadequate loan ceilings and academic limitations forced many students to borrow elsewhere. One hundred and forty-four of our aid-applicants stated that they had borrowed in previous years a total of \$175,797 for educational purposes in other than student-aid loans.

In April of this year, a survey undertaken in conjunction with the Students' Council indicated that at least 88 of our students would have discontinued their education except for the Canada Student Loan.

C. S. L. lending procedures for 1965-66 have been extensively revised by the Department of University Affairs to further reduce the possibility of loan funds going to those who do not genuinely need them for educational purposes. Western had the opportunity to test part of the new process from January to May 1965 and to participate with the Department of University Affairs in drafting new forms and rules. The results appear eminently satisfactory.

Student enrollment increased 11% over 1963-64, while applications for UWO-administered bursaries increased by 26%. This would seem to indicate a disproportionate increase in enrollment from families in the lower economic stratum.

Two surveys of student opinion on student-aid were undertaken during the year in co-operation with the U. S. C. One survey concerned the worth of the Canada Student Loan and is referred to above. The second survey (which was combined with the C. U. S. income and expenditure study) asked for views on such matters as modest allowance for different sections of students' budgets; parental and self-help; car ownership by aid-recipients; adequacy of our aid programme, etc. The results indicated that our need assessment procedures correspond fairly with student opinion, and that 87% of our aid-recipients consider the aid received to have been adequate.

In September 1964, the Dean of Men accepted an invitation from the Bladen Commission to be Chairman of the Sub-Committee on Student-Aid.

Placement

The Assistant Dean of Men, Mr. B. G. Wells, M. A., spends about 50% of his time on graduate, summer and part-time placement for all students except those in the School of Business Administration. Although the peak period of graduate recruiting is in January and February, some government recruiters are on campus in December, and March also is a busy month with the recruitment of graduates for secondary school teaching.

The 1964-65 placement report prepared by Mr. Wells shows clearly the considerable increase in placement activities over the past two years.

The following tables show the number of students interviewed on campus and the number of interview teams that visited the campus during the past two years.

Student Interviews on Campus

	<u>1963-64</u>	<u>1964-65</u>
Secondary Schools	272	340
Government, Financial and Industrial Corporations	1,310	1,665
Summer and Casual Employment	<u>490</u>	<u>527</u>
TOTAL	2,072	2,532

Interview Teams on Campus

	<u>1963-64</u>	<u>1964-65</u>
Secondary Schools	18	26
Government, Financial and Industrial Corporations	123	140
Summer and Casual Employment	<u>47</u>	<u>74</u>
TOTAL	188	240

While the present placement programme appears satisfactory, serious consideration will have to be given to extending the on-campus recruiting dates. The engineering and science placement programme has traditionally commenced in January to coincide with the Arts and Business Administration programme. Next year, Western will be the only university in Canada that does not allow recruiting in the fall. While this has not been harmful to students seeking full-time employment, it may have hindered the summer employment programme. The majority of students in Engineering and many of the recruiters favour fall recruiting. Changes in Western's programme may have to be made next year in fairness to all concerned.

In February 1965, more than 400 graduating students filled Middlesex College Theatre to hear Dean W. S. Turner of Althouse College of Education speak on secondary school teaching and the various ways to qualify for it.

The Placement Office also supplied to 350 Ontario secondary school principals lists of graduates interested in teaching, and assisted 229 graduating students in obtaining teaching positions.

The University provides facilities for school principals to interview students on campus. Twenty-seven Boards of Education, representing more than 65 secondary schools, visited UWO and conducted interviews on campus. Twenty-one Boards of Education, representing over 50 secondary schools, sent job descriptions for interested students to follow up.

The shortage of interview rooms on campus is acute and has been for several years. The placement office, with great difficulty, has been providing interview space for up to 15 interviewers a day in January, February and March, with an average of about ten per day in the last two weeks of January and most of February. This year, cloak rooms, student lounges and all available space in university buildings were used, and much of the space available was really unsuitable. The need for at least six small interview rooms, possibly seven feet by eight feet, is really very great for the coming year, and this requirement is certain to increase over the next

five years to the extent that our good public relations with recruiters will be difficult to maintain without more and better facilities.

In June 1965 Mr. Wells was elected Vice President of the Career and Placement Association of Canada. On behalf of the Association, Mr. Wells carried out the second annual survey on "Starting Salaries and Graduate Requirements of Corporations Recruiting in Canadian Colleges and Universities". Across Canada the report of this survey is highly regarded by employers of university graduates.

Medway Hall

The following were on the staff of Medway Hall in 1964-65:

Warden: Michiel R. Leenders, M. B. A. , D. B. A.

Dons: Donald R. Miller, M. A. , Ph. D.
James R. Nininger, M. B. A.
Murray M. Young, M. A. Sc. , Ph. D.

Secretary: Mrs. K. Burgess

Also associated with the residence were ten distinguished members of faculty who accepted the honour of being appointed "Fellows of Medway Hall":

W. Balderston, Ph. D.	Associate Professor, Department of History, University College.
J. H. Blackwell, M. Sc. , Ph. D.	Senior Professor of Applied Mathematics, Department of Mathematics and Astronomy, University College.
T. J. Casaubon, B. A.	Associate Professor, Department of Romance Languages, Middlesex College.
E. W. Packer, M. A. , F. R. G. S.	Associate Professor, Department of Geography, Middlesex College.
E. R. Plunkett, M. D. , Ph. D.	Associate Professor of Medical Research, Medicine, Obstetrics and Gynaecology, Collip Laboratory.
J. A. F. Stevenson, M. D. , C. M.	Professor and Head, Department of Physiology, Faculty of Medicine.

- E. G. Pleva, M. A. , Ph. D. Professor and Head of the Department of Geography, Middlesex College.
- G. L. Reuber, Ph. D. Professor and Head, Department of Economics and Sociology, University College.
- H. B. Stewart, M. D. , Ph. D. Professor of Biochemistry, Faculty of Medicine.
- Tony Urquhart, O. S. A. , A. R. C. A. Resident Artist.

For the regular academic year 1964-65, 1,600 applications were received by the Residence Admissions Office in Medway Hall on behalf of the two men's residences. During the summer of 1965, 878 persons in special groups were also accommodated in Medway Hall.

Sydenham Hall

The following were on staff at Sydenham Hall in 1964-65:

- Warden: W. Cameron Henry, Ph. D.
- Dons: William J. Morris, M. A.
 Craig C. Lundberg, M. B. A.
 Jan A. Frederiks, B. 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. Havelka, M. A. , Ph. D. , M. Sc. Associate Professor, Department of Psychology, Middlesex College.
- L. Ignatieff, B. A. , M. A. , Ph. D. Professor and Head, Department of Russian Studies, Middlesex College.
- A. H. Johnson, B. A. , M. A. ,
Ph. D. , F. R. S. C. Professor and Head, Department of Philosophy, University College.
- W. J. L'Heureux, B. A. , M. A. Professor and Head, Department of Physical Health and Recreation Education, University College (Thames Hall)

R. G. E. Murray, B. A. , M. A. ,
M. D. C. M.

Professor and Head, Department of
Bacteriology and Immunology, Faculty
of Medicine.

R. W. Nichols, B. Sc. , Ph. D. ,
D. Sc. , London: A. R. C. S. ,
F. Inst. P.

Senior Professor, Department of Physics,
University College.

P. C. Stratford, B. A. ,
D. de l'u. de Paris

Associate Professor, Department of
English, Middlesex College.

W. A. Thompson, M. B. A.

Associate Dean of the School of Business,
School of Business Administration.

R. J. Uffen, B. A. Sc. , M. A. ,
Ph. D. , P. Eng. , F. R. S. C.

Professor, Department of Geophysics,
Principal, University College.

W. H. Wehlau, A. B. , Ph. D.

Professor, Department of Mathematics
and Astronomy, University College.

During the summer of 1965, 228 summer school students, 81 graduate students, and 593 persons in special groups were accommodated in Sydenham Hall.

The work of Mr. Ross Virtue, Business Manager of Men's Residences, is indeed worthy of special mention here, particularly in the handling of the many details in connection with the reception and accommodation of special groups during the summer months.

Fraternities

The record of fraternity scholarship this year was the highest since 1960-61. The co-operation of the Alumni and Undergraduate Interfraternity Councils contributed much to the achievement of this goal.

The Ontario Beta Chapter of Phi Delta Theta won the following International Awards:

1. The Ward Scholarship Trophy -- for the highest record of scholarship in all of the chapters of the international fraternity.
2. The Silver Star Award -- for the chapter of Phi Delta Theta with the highest overall record of achievements during the year.
3. The General Headquarters Award -- for the best record of

efficiency and punctuality in the performance of tasks on behalf of the General Headquarters of the International Fraternity.

In addition to the above international awards, Phi Delta Theta had the best scholarship record of all the UWO social (non-professional) fraternities. It also won the UWO Intrafraternity Sport Trophy. During the year, the members participated in welfare projects in the London community, the most worthy of mention being the repair and painting of the Protestant Orphans' Home in London.

Epsilon Omicron Chapter of Sigma Chi ranked seventh of 137 Sigma Chi Chapters and won the Sigma Chi Order of the Scroll and the Sigma Chi Foundation Award for scholastic achievement. Twelve members were on the Dean's Honour List and eight won scholarships and other awards for outstanding achievement.

Kappa Alpha Society won the Spirit Trophy in International Competition for the Chapter, which best showed the true ideals of the Society. Twelve of its 35 members won UWO scholarships and merit awards.

Delta Upsilon Fraternity had several scholars in its membership and two of these, Neil Roderick Willis, Medicine 1965 and John Grace, Engineering 1965, won several awards for standing first in their graduating class.

This has been a good year for our fraternities. The Dean of Men wishes to thank the members of the Alumni and Undergraduate Councils for their assistance in fraternity affairs at Western.

Other Activities

The staff of this department perform other duties which are not covered in detail in this report. These include visits to secondary schools, summer and winter interviews with Grade 12 and 13 students, liaison with student organizations, liaison with community resources, foreign students, and housing.

Recommendations

The following recommendations are respectfully submitted:

1. That the housing bureau be put on a 12-month basis under a Director of Placement and Off-campus Housing in 1966-67.

2. That the administration of scholarships be integrated more closely with the Awards Office in 1966-67.
3. That adequate space for placement and other interviews on campus be provided in 1965-66.
4. That additional space and one clerk-typist be provided for the Awards Office in 1966-67.

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.

The Medals were presented at an Awards Luncheon of the Canadian Authors Association, which was held during the Association's Annual Convention. Dr. Ross Woodman presented the Medals on June 21, 1965.

The Medals were won by:

Single Poem: "Niagara", published in Prism by Richard Emil Braun.

Short Story: "Gossip: The Birds That Flew, The Birds That Fell", published in The Tamarack Review by David Godfrey.

Scholarly Article: "Chalk and Cheese", published in The University of Toronto Quarterly by Philip Stratford.

General Article: "The Masseys", published in Chatelaine by Mollie Gillen.

The judges were:

Single Poem: Professor R. G. N. Bates, Professor William Blisset, Professor David Kaula.

Short Story: Professor D. Hauser, Professor R. Nicholls, Professor J. Sanders.

Scholarly Article: Professor Peter Angeles, Professor D. Hare, Professor C. A. Ruue.

General Article: Mr. J. K. Elliott, Professor D. Gerber, Professor Norman Nicholson.

Professor R. C. M. Baker

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.

The medals were presented at an Awards Luncheon of the Canadian Authors Association, which was held during the Association's Annual Convention. Dr. Ross Wilson presented the medals on June 21, 1962.

The medals were won by:

Single Poem: "Mistral," published in Poetry by Richard Dill

Short Story: "Cresser: The Wind that Year," The Wind that Year, published in The Toronto Star by David Goffin

Scholarly Article: "Chubb and Thorne," published in The University of Toronto Quarterly by Philip Goffin

General Article: "The Mackays," published in Canadiana by Mollie Goffin

The judges were:

Single Poem: Professor R. C. M. Baker, Professor William H. Miller, Professor David Goffin

Short Story: Professor D. Gerber, Professor R. C. M. Baker, Professor Goffin

UNIVERSITY ATHLETIC ASSOCIATION

Report of the President

Dr. D. O. McKay

There was a greater participation by the student members of the University of Western Ontario Athletic Association during the year, which was obvious not only in the enlarged athletic programme, but was also shown by a keener interest on the part of the students in the affairs of the Association and how it was operated.

Three meetings of the Association, including the annual meeting and two well-attended special meetings, were held.

Recognizing that there was a growing problem in connection with the seating of students at basketball games being held in Thames Hall, the Association voted to amend its constitution to allow the placing of restrictions on the number of spectators to be admitted to the games, the Athletic Directorate to have control of these restrictions.

The Association also amended its constitution to increase the number of student representatives on the Athletic Directorate from five to seven, the composition of the remainder of the Directorate to be the same. The method of selecting the student representatives was also changed in order to achieve better representation of the entire student body, greater continuity of representation, and improved communication between the student body and the Athletic Directorate.

The Association also requested that the student members be enlightened as to how their athletic fee was being used to support the athletic programme. The University Board of Governors agreed to provide for the students generally a budget and financial statement broken down by the major expenditure percentages.

At the Annual Meeting of the Athletic Association held following the Men's Athletic Banquet on April 7, 1965, the student representatives to the Athletic Directorate were announced as follows:

Mr. Graham Scott	University Students' Council
Mr. Norman Gledhill	two-year term

Mr. Brian Hodgert	two-year term
Miss Joyce Pyette	two-year term
Mr. Michael Bean	one-year term
Mr. Barry Hobbs	one-year term
Miss Ann Dickson	one-year term

As mentioned above, the Athletic Directorate met five times during the year. As well as dealing with a number of routine business matters, the Directorate approved the use of the University's name by two athletic clubs. The newly recognized clubs are The University of Western Ontario Cricket Club, and The University of Western Ontario Sailing Club.

The University hosted the Canadian Intercollegiate Athletic Union National Championship in Swimming on March 5 and 6. It is regrettable that the Western swimmers were unable to compete as the Ontario-Quebec Athletic Association declined to participate because of an eligibility ruling made by the Union.

In recognition of the importance of a well-balanced athletic programme as an integral part of the total education process, I wish to express, on behalf of the Athletic Directorate, our sincere thanks to all those who have worked so diligently to provide Western with a programme of which it can be justly proud.

INTERCOLLEGIATE ATHLETICS

Report of the Director

Mr. J. P. Metras

Men's Intercollegiate Athletics

The University of Western Ontario was represented in 13 sports in the Ontario-Quebec Athletic Association. Highlights of the season included the addition to the programme, for the first time ever, of senior hockey and curling. In October, Western was host to the O-Q. A. A. Track and Field Championships at the Little Stadium. In November, the C. I. A. U. Rowing was held by Western at Fanshawe Lake.

The Wrestling Team won the Porter Trophy, emblematic of the Senior Intercollegiate Wrestling Championship.

Western also hosted the first Canadian Intercollegiate Athletic Union Swimming Championships. Because of a conflict in eligibility regulations, the O-Q. A. A. was not represented. In spite of this, the Meet was considered a success, with the University of British Columbia winning the team title and the Nelson C. Hart Trophy donated by the London Free Press.

The Dr. Claude Brown Memorial Trophy for the greatest contribution to athletics was won by Brent Mundy, a fourth year Medical student who won a total of nine first colours in football and wrestling. He also was the only recipient of a Purple Blanket Award this year.

One hundred and four First Colours and 87 Second Colours were awarded. Six men received a Bronze "W" for three or more First Colours.

Football

Western's League record of one win, four losses and one tie left them in last place in the four-team O-Q. A. A. competition for the Yates Cup. The Mustangs' overall record was 2-6-1. The George McCullagh Award for the most valuable player was voted to Robert Campbell.

The Colts, playing a non-conference schedule, won each of their five games. The outstanding player award and the Dr. Archie Galbraith Trophy went to Donald Brescasin.

Soccer

Western's record of three ties and three losses put them in third place in the four-team competition for the Blackwood Trophy, won by the University of Toronto.

Golf

With Western acting as host, the O-Q. A. A. Golf Tournament Team honours were taken by McMaster University, with a 632 total. Western placed third, tied with Toronto at 640.

Tennis

A four-man team represented Western at the O-Q. A. A. Tournament held for the first time by Laval University in Quebec City. The host team won the C. L. T. A. Cup, Western placing sixth.

Track and Field

All ten members of the O-Q. A. A. were represented at the Track and Field Championships held by Western at the J. W. Little Memorial Stadium in October. The Tait-McKenzie Trophy for first place was retained by Toronto, with McMaster edging out Western by one point for second place.

Harrier

The Mustang Harrier Team placed sixth in the O-Q. A. A. Championship Meet held in Kingston.

Rowing

The O-Q. A. A. Rowing Championship for eight-oared crews

with cox was sponsored by Western at Fanshawe Lake in November. The event was won by Toronto, followed by McMaster and Western. Our crews participated in other regattas in Toronto, Detroit and Hamilton.

Basketball

With a complete lack of any returning members of the previous year's varsity team roster, the early season was spent in experimenting with various individuals in an attempt to find the best combination. The success of the team under a new coach was not reflected in the fifth place finish in O-Q. A. A. competition with a record of four wins and eight losses. Considerable improvement was shown by several players who were exposed for the first time to senior competition. The team was winless in a tough schedule of eight pre-season exhibition games against some ranking U. S. teams.

Badminton

Western's four-man team placed fifth in the O-Q. A. A. Championship Tournament held in the Kitchener Granite Club and hosted by Waterloo University. A strong, well-balanced McGill team repeated as champions in very closely contested play for the Jemmett Trophy.

Curling

For the first time ever, Western was represented in the O-Q. A. A. Curling Bonspeil, held this year by Waterloo. Western's rink lost out in the second round to the eventual winners from the University of Guelph.

Swimming

After competing in a series of dual meets, Western placed third behind Toronto and McGill in the O-Q. A. A. Championships held in Montreal in February. The Peter Fowler Trophy for the most valuable member of the team was awarded for the first time, Rod Govan being the winner.

Wrestling

The wrestling team climaxed a season of dual meets by winning

the Porter Trophy as O-Q. A. A. Champions in the meet hosted by Guelph. Five team members won individual championships in their respective weight classes. Ron Schad was voted by his team mates to be the winner of the George Oliphant Trophy for the most valuable member.

Hockey

After completing a schedule of exhibition games last season, Western entered Senior O-Q. A. A. competition for the first time in 1964-65. The Mustangs ended the Conference schedule in third place with an 11-4-1 record, and then lost in the sudden death playoff to the eventual winners from the University of Montreal. The St. Thomas Circle "K" Trophy to the most valuable player was voted to Larry Babcock.

Men's Intramural Athletics

In the championship series, competition was held in 21 separate sports events. The seven competitive units on campus are Engineering Science, Middlesex College, Business-Law, University College, Christ the King College, Huron College, and the Medical School.

In the closest competition ever, the University Shield, emblematic of the overall Intramural Championship, was won by University College with 173.5 points. Middlesex College was second with 172 points, followed by Huron College (167), Christ the King College (143), Business-Law (99), Medical School (99), and Engineering Science (55.5).

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 playoffs involving the top four teams. Individual meets or tourneys are conducted in swimming, track and field, and wrestling -- all classes as sub-major sports. The minor sports are also conducted on a tournament basis in harrier, golf, handball, squash, badminton, table tennis, tennis, paddleball, and five-pin bowling, the last two having been added this year.

Organized competition was conducted in numerous sports on an inter-fraternity basis as well as in house leagues and residence leagues. Such activities as curling, archery, judo, gymnastics, fencing and rugger operated on a club basis throughout the year. Participation was at the highest level ever. A total of over 2,000 different men took part in the organized programme, totalling over 7,600 participations with 165 separate teams.

Considerable use was made of off-campus facilities, particularly the gymnasium of London Teachers' College.

Intramural Championship Key Awards were made as follows: Bronze, 98; Silver, 26; Gold, 9. Phil Burchell received the Honour Award Plaque for a total of seven championships in his four years of P. H. R. E. Herb Peterson was voted to receive the athlete of the year award, having made the greatest contribution to the Intramural Athletic Programme.

Women's Athletics

The year 1964-65 was most successful in Women's Inter-collegiate athletics. Again, three W. I. A. U. championships were won -- basketball, swimming and volleyball.

Intramurals were on a satisfactory level with respect to achievements and number of participants. Four hundred and twenty-three girls participated in 15 different sports. There was a total of 818 participants, the largest number being 156 in volleyball, with 104 in basketball and 81 in table tennis.

The Lang Trophy was won by P. H. R. E. with 127 points, followed by Nurses and Brescia College, second and third respectively. Huron College was fourth. The largest number of participants came from University College (85).

Western swimmers, archers and bowlers participated in Telegraphic Tournaments, coming second in swimming and archery and sixth in bowling.

The name "WESTOAMAC" was changed to "WESTGUMAC" since the former O. A. C. is now the University of Guelph.

Western girls won the home-and-home games in basketball and volleyball and were awarded trophies in both sports. They also won the Fall and Winter Sports Days. The Fall sports were archery, softball, field hockey, tennis, swimming and marathon. The Winter sports were archery, volleyball, ice hockey, badminton and curling. Numerous exhibition games with York, McMaster, Toronto, Queen's and Windsor were held and won by Western. The exhibition sports played were badminton, basketball, archery, field hockey, ice hockey, volleyball and synchronized swimming.

As mentioned, Western won three Intercollegiate championships,

came second in outdoor archery and field hockey, third in indoor archery and badminton, and fifth in tennis and ice hockey.

The season closed with the banquet on March 31, attended by 170 persons.

The following awards were made: 48 first colours, 29 championship awards, ten plates for Bronze "W"'s, and two white blankets won by Mary Riseborough and Sue Hilton, the latter also winning the Jones Trophy. Silver spoons were presented to 35 girls.

THE WESTERN ONTARIO
SECONDARY SCHOOLS' ASSOCIATION

Report of the Secretary

Mr. W. C. Crozier

WOSSA experienced another banner year in athletic activities and ranked high with the other twelve associations operating in Ontario under the supervision of the Ontario Federation of School Athletic Associations. While many individual championships were obtained, perhaps the most gratifying team championship was that of North Middlesex District High School (Parkhill) in the all-Ontario "B" Basketball Tournament.

The following number of students actually participated in WOSSA finals during the past year:

Badminton	92	Tennis	60
Basketball	435	Track & Field	730
Cross Country	120	Volleyball	288
Curling	80	Wrestling	123
Gymnastics	215		
Soccer	32		

These numbers can be multiplied many times to arrive at the actual numbers engaged in Conference competition supervised by our Association.

In the year 1965-66 WOSSA will, for the first time, become entirely self-sufficient. The University of Western Ontario for several score years has provided leadership, money and a home for our Association. For their generosity we are eternally grateful. Because of the crowded space at the University, the WOSSA office is being moved elsewhere. However, the University will continue to act as host for those activities that cannot be efficiently staged in the high schools of our Association.

In departing from the protective wings of Western, our Board of Directors at their Spring Meeting expressed their appreciation for all

the many favours of the past and anticipated continued happy relations in the future.

The officers elected for 1965-66 are:

- Past President Mr. E. O. McIlveen, Huron Park Secondary School, Woodstock
- President Mr. A. H. Fudge, Central Collegiate Institute, Sarnia
- Vice-President Mr. Harry Posliff, Strathroy District High School, Strathroy
- Secretary-Treasurer Mr. W. C. Crozier, Dorchester High School, Dorchester.

The following members of the Association were elected to the Executive Committee for the year 1965-66:

Mr. E. O. McIlveen	Mr. A. H. Fudge	Mr. Harry Posliff	Mr. W. C. Crozier
Mr. J. G. ...	Mr. ...	Mr. ...	Mr. ...
Mr. ...	Mr. ...	Mr. ...	Mr. ...
Mr. ...	Mr. ...	Mr. ...	Mr. ...
Mr. ...	Mr. ...	Mr. ...	Mr. ...

These members are the elected representatives of the Association for the year 1965-66. The Executive Committee will continue to work for the benefit of the Association and its members.

In the year 1965-66, the Association was very busy. It held its annual meeting at the University of Western Ontario in London. The meeting was very successful and a number of resolutions were passed. The Association also held a number of other meetings and conferences throughout the year.

The Association is proud to have such a group of dedicated and able members. We look forward to a successful year ahead.

In reporting on the year 1965-66, the Executive Committee wishes to express its appreciation to all the members of the Association for their support and cooperation.

UNIVERSITY HEALTH SERVICE

Report of the University Physician

Dr. Richard J. Bowen

Larger university population has to a great extent been responsible for the greater numbers consulting the Health Service. Opinion is entertained, however, that a greater percentage of students have realized that assistance is readily forthcoming from the department.

Global turmoil has produced a feeling of insecurity in the young, and university populations are no exception.

Most of the people attending the Health Service are co-operative and appreciative. There are, however, many whose attitude leaves a great deal to be desired. It is realized by the Staff that many of these young people are under pressure and are, in many cases, insecure academically.

The Staff is happy to render service, and it has been a privilege to counsel, as well as treat, great numbers of the increasing University family. Sensible living produces better physical condition and motivation -- endeavour in all fields will show consequent achievement. This is the goal of the Health Service. Sincere effort, it is hoped, will in time bring this to fulfillment.

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 semesters, the nurse was on duty at 8:00 a. m. to 4:30 p. m. , Monday to Friday inclusive.
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 to 4:30 p. m. Monday to Friday inclusive.
3. During the Summer School, the nurse was on duty from 1:30 to 4:30 p. m. , five days a week and a physician was available for consultation from 12:30 to 1:30 p. m.

We feel that the attention and consideration given to Summer School students at the Health Service is of great value. It is a privilege to play a part in making the path smoother for those who are giving of their off duty time to increase their academic standing. These students, it must be remembered, come from a heavy teaching assignment and immediately plunge into a concentrated academic programme when they are legitimately fatigued. It has been found that attendance at the clinic by Summer School students not only has increased in the overall picture, but after the half-way mark attendance evidently doubles. It is felt that the Health Service is helpful in maintaining work potential.

The past year was not characterised by widespread infections; accidents were few, and loss of time, except in special cases, was not too marked.

The writer is 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 some considerable worry. The Graduate Students require, in many cases, 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 presenting conditions may be effected where possible.

Good liaison has been maintained with the Department of Physical Health and Recreational Education, athletic coaches, etc., and no misplacement has occurred.

Tuberculosis Survey

The writer again expresses his sincere thanks to the President for his interest in tuberculosis control. He knows of no other university

where this matter is given as much thought by the chief executive and the governing body.

It was advised by the special committee on tuberculosis control that investigation of all students for this disease be done at registration. This was carried out under the direction of Dr. J. B. Robinson of Beck Memorial Sanatorium and his special team, with the X-raying of all known positives on the spot. The invaluable co-ordination and other staff work was carried out by the secretarial staff of the Health Service. Considerable improvement was noted in the number of examinations, but it is felt that a large block of the University population has not been reached.

Health Education

No formal course of instruction was given in 1964-65. Extensive counselling was done by the Victorian Order nurse, who is qualified. University physicians have advised in matters of health on a group and personal basis.

Statistical Survey

<u>Prophylactic Innoculations</u>	<u>1963-64</u>	<u>1964-65</u>
Allergy Serum	597	674
Typhus-Cholera	32	66
Poliomyelitis	13	63
Polio and Tetanus	201	298
Tetanus	48	51
Typhoid-Paratyphoid	128	272
Typhoid-Paratyphoid-Tetanus	3	--
Smallpox	128	195
Bronchial	111	--
Staphylococcus Toxoid	15	2
Paul Bunnell	63	207
Wassermann	10	39
Immunization Clinics	--	386

Diagnostic Referrals

Cardiac	1	--
Diagnostic X-ray	177	256
Treatment X-ray	33	45
Dermatological	12	16

	<u>1963-64</u>	<u>1964-65</u>
Orthopedic	21	28
Psychiatrist	28	48
Allergic	4	9
Medical	22	62
Surgical	49	99
Endocrinological	--	--
Eye, Ear, Nose & Throat	72	96
Dental	16	116
Gynaecological	9	16
Neurological	5	2
Urological	5	2

Current and Comparative Study of Clinic Activity

Consultations	8, 771	11, 863
Insurance Claims	460	525
House Calls	75	78
Office Calls	86	109
Staff seen in Health Service	<u>200</u>	<u>163</u>
Total Attendance	9, 231	12, 213

Student Insurance

Changes were made in student insurance in 1964-65 to give coverage to graduate students throughout the year. The diagnostic clause was found to be particularly valuable by the Health Service. Insurance claims processed by the Health Service office numbered 525.

Staff

Mrs. Julia Shea of the Victorian Order of Nurses rendered the department valuable service during 1964-65. The success of the tuberculosis survey, follow-up disability, insurance finalization and physical examinations is directly due to the efforts of Mrs. Mary Jarvis whose staff work was excellently done with a willingness that was invaluable.

It was the privilege of the University Physician to attend the Annual Meeting of the American College of Health Association.

It has been arranged that the health service arrangements for

Althouse College of Education will be under the medical direction of this department.

Administrative Problems Militating Against Full Efficiency of Department

The writer did not succeed in implementing a plan for the efficient care of medical students. Efforts throughout the year brought forth no solution to seeing the men without considerable loss of instructional time. Care was mainly given in Victoria Hospital emergency, the private office of the University physician and by making house calls.

The student body did not report all illness, causing lost time to the Health Service for incorporation in the records.

Cramped quarters made working difficult at busy times.

Acknowledgment

The University Physician was constantly supported by the kind consideration of the President, Comptroller, Registrar, Deans and Principals.

Comment

The demand for medical certificates for lost academic time was greatly increased. The writer doubts the actual value of this practise except in certain cases.

Foreign travel increased the necessity for prophylactic inoculations. This was valuable because a generally increased interest in this work was noted among the student body.

Psychiatric disability is at a low level. The writer feels that many of the students are so immature that they lack appreciation of what is going to be demanded of them. Greater efforts at the beginning of the term by the student government to indoctrinate newcomers in university life would do a great deal to maintain a high level of mental health. Senior student committees could well help to reduce a great deal of anxiety by impressing upon the junior people the necessary work procedure and day-by-day study.

The emergency departments of the general hospitals have treated many student patients who could well have come to the Health Service.

ALUMNI ASSOCIATION

Report of the Director

Mr. G. O. Hartwell

The Alumni Association of The University of Western Ontario continues to be administered by an active working group of graduates, composed of officers and faculty representatives elected to an Executive Council, officers and executives of UWO Alumni Branch Associations, and the Alumni Director and his staff located on the Campus.

Important personnel connected with University-Alumni relations are: two graduates elected by Alumni-at-large to the University Board of Governors; ten graduates elected to the University Senate; the Alumni President who also serves on the University Senate for his term of office.

The Executive Council and Its Committees

The officers and faculty representatives of the Alumni Association hold similar positions on the Executive Council which is the governing body of the Alumni Association meeting monthly from September through June.

Officers of the Executive Council, 1964-65

Honorary: President, Dr. G. Edward Hall; Vice-Presidents, Dr. W. S. Fox, Dr. F. Landon, Dr. F. R. Clegg; Treasurer, Mr. E. G. Silverwood.

Active: President, Mr. Kenneth S. Murray, Bus. '31; Past President, Mr. James Chick, Arts '51; First Vice-President, Dr. Andrew Hunter, Meds '53; Second Vice-President, Mr. Arnold Harris, Arts '39; Secretary-Treasurer, Mr. George Hartwell.

Chairmen of Standing Committees

Alumni Clubs
Citations

Mr. Ward Cornell
Mrs. Joyce (Kemp) McMeekin

Constitution	Mr. Frank Dowler
Finance	Mr. Arnold Harris
Annual Fund Appeal	Mr. D. S. "Bill" Rudd
Homecoming	Dr. John Tyson
Nominations	Mr. James Chick
Publications	Mrs. Maxinne (Wyatt) Barker

Chairmen of Special Committees

UWO Alumni Spring Festival -- Mr. Kenneth S. Murray
 Schools and Scholarships -- Mr. Ward Cornell

Activities of the Alumni Association

Alumni Section, Western University Fund

The main campaign for funds and pledges to the project of a multi-purpose Alumni Hall has now been completed, and the total of collections and pledges to June 30, 1965 amounted to \$896,000.

Alumni Annual Fund Appeal

Beginning in the spring of 1965 the annual appeal was resumed, but excluded Alumni who are on a five-year pledge to the Western University Fund, 1963. As a result of this, receipts to June 30, 1965 show that 735 Alumni have contributed \$8,733.43.

Records

The Alumni Office maintains records and current addresses for approximately 23,500 persons. Of these about 20,500 are Alumni and ex-students, and about 3,000 are persons who attended special courses at the School of Business Administration, honorary degree holders, and Faculty members not graduates of Western. Besides these, the Alumni Office keeps sets of addressograph plates for the UWO Faculty Association, a Registrar's list of all High Schools in Ontario, and a special set of "W" Club members for the Athletic Department.

Alumni Branch Associations

A total of 19 Branch Association meetings and social functions

were held: Elgin County at St. Thomas, Essex County at Windsor, Grey-Bruce Counties at Owen Sound, London Alumnae, Midland (two), Montreal (two), Niagara Peninsula at St. Catharines, Ontario County at Oshawa, Oxford County at Ingersoll, Sarnia, Toronto (three), Vancouver, Waterloo County at Kitchener, and Winnipeg (two).

The London Alumni have organized a Rod and Gun Club for Alumni, Students and Faculty members, with an executive composed of a Student President with Alumni and Faculty advisers.

Public Relations: University - Alumni

The Alumni Association maintains University - Alumni relations through the Alumni Gazette, Branch Association meetings, the annual Alumni Homecoming Weekend, personal communications, and correspondence.

The Alumni Gazette is a newsletter type of publication issued six times a year. It attempts to keep the Alumni informed of major University events, Alumni projects and functions, and personal items about individual Alumni.

The annual Alumni Homecoming Weekend is valuable in making Alumni feel welcome on the Campus, thus encouraging their support by seeing University progress with their own eyes. It also provides the opportunity for them to renew personal relationships with classmates and University Faculty members through the instrumentality of social functions, especially class reunions.

The Alumni Office regularly uses its addressing system to assist University departments to mail announcements of special University events (public lectures, etc.) and courses (such as the Extension Department offers) to Alumni within commuting distance of the Campus.

Public Relations: Student - Alumni

As many opportunities as possible are seized to establish cordial relations with undergraduate students. The Alumni Office allows various student organizations free use of its address files and addresses envelopes for student organizations such as Purple Patches, theatre groups, etc., for mailing to Alumni. The Alumni Director attends as many meetings of the University Students' Council as possible as an ex-officio member, and speaks to the graduating class of each faculty in order to introduce the objectives and work of the Alumni Association.

The Alumni "Student Bursary", the "Alumni Gold Medals", and the "Alumni Loan Funds" are announced in the calendar and other publications and help to draw the attention of students to the Alumni Association.

UWO Alumni Spring Festival

The fifth Annual Spring Festival of music, entirely sponsored and promoted by the Alumni Association, with the approval of University Administration, won the usual enthusiastic audience reception. The high calibre of music presented at three concerts not only brought pleasure to London music lovers and made a significant contribution to the cultural life of students and staff, but helped to enhance in public opinion the services of the University.

Conclusion

The function of the Alumni Association is one largely of public relations, in encouraging the interest of Western's graduates in the current programme of the University. This is achieved through the media of print, word-of-mouth, and visual experience, so that every form of publicity is important.

Frequent attractions to bring the Alumni to the campus, and frequent meetings of University personnel with Alumni off-campus, act as constant reminders and induce enthusiastic loyalty.

Moreover, the realization that the University has a continuing interest in its graduates influences them to have a continuing interest in the University.

These phases of Alumni work can be performed only with the kindly assistance and co-operation of many sincere Alumni, University Faculty members and departments, and members of the Administration and Board of Governors, for all of which the Director is deeply grateful.

JOINT McINTOSH COMMITTEE

Report of the Secretary

Professor R. A. Allen

In the year 1964-65 the Joint McIntosh Committee awarded prizes totalling \$750 in Business Administration, \$900 in Geography and \$600 in Public Speaking. The latter amount was apportioned in prizes to the students with highest standing in each of the three sections of Speech 39.

For the promotion of music on the campus, a grant of \$300 was made to the University Choir and one of \$450 to the College of Music for the purchase of books and music for its library.

Under the direction of the Resident Artist, Mr. Tony Urquhart, 11 exhibitions were held in the McIntosh Gallery, including showings of paintings, drawings, photographs and sculpture. In addition, Mr. Urquhart conducted weekly sketching and discussion groups for students and faculty.

Mr. Urquhart served with distinction as the University's first Resident Artist from 1960 to 1963. After a year's absence in Europe in 1963-64, when Mr. William Roberts of the Ontario College of Art took his place, Mr. Urquhart returned to the Gallery for another successful year in 1964-65.

In his four years as Resident Artist, Mr. Urquhart has made a very considerable contribution to the artistic life of the University and the City. In 1965-66, he will be replaced by Mr. Gerald Trottier of Ottawa. Mr. Trottier is also a creative artist, well-known through numerous provincial and national exhibitions, the winner of several prizes, and through his work at Carleton University familiar with campus life. It is confidently expected that he, too, will provide a stimulus to Western students in the world of art appreciation and practice.

During the year 1964-65, the McIntosh Gallery received additional gifts from the estate of Laura Pesel of England, an earlier benefactor. These included mainly drawings by Sir William Blake Richmond, K. C. B. , R. A. , which had been presented by him to Miss Pesel during her

lifetime. Another gift was received from Mrs. Dorothy J. McEwen of Toronto, an interesting 18th century portrait of St. Francois de Sales, possibly by a nun in Paris.

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 213 regular and part-time employees who were distributed as follows: technical -- five, clerical and drafting -- 15, operative -- 51, maintenance -- 43, and caretaking -- 99. Of the regular staff, 16 terminated employment during the year.

In addition to normal maintenance and the alterations and capital funds work, 485 projects were carried out for other departments.

Reservations

The work of this section of the department continued to expand with room scheduling for functions outside of the academic curriculum increasing to a total of almost 7,000 reservations. In addition, a considerable number of variations from the timetable were processed by the reservations clerk.

Traffic and Parking

Traffic increased throughout the year in spite of the reduction in vehicles made by eliminating freshmen parking. Approximately 2,000 permits were issued to regular day students for the fall term.

The authorization of staff parking privileges for graduate students having teaching loads was well received.

A special ad hoc Committee recommended permitting the University Student Council to allocate students to specific general parking areas starting in September 1965.

Alterations to Buildings

The first of several planned connections to the City of London Fire Department Alarm System was made for the Men's Residences on University Drive.

Two dormancy chambers and a third plant growth room were constructed in the Biological and Geological Sciences Building for the Department of Botany. Additional light panels were also erected in the Greenhouses.

Improvements were made in the air distribution system to the Great Hall in Somerville House by installing a new duct system and ceiling diffusers.

New Buildings and Projects

The chart on the following page indicates the progress on the Capital Funds Programme.

The Medical Sciences Building was essentially completed and accepted for occupancy in June 1965.

The Chemistry Building, Natural Sciences Centre and two additions to the Biological and Geological Sciences Building made good progress and occupancy was anticipated for the fall of 1965.

Construction of the Band Practice Annex to the College of Music, which started in May 1964, was completed and the annex put into operation for the 1964-65 fall term.

Tenders were called on April 29, 1965 for an addition to Somerville House, and the contract awarded with a completion date scheduled for the spring of 1966 at a budgeted cost of \$1,800,000. As part of this project, Somerville House will be connected to Thames Hall by a covered arcade which will be open to a terrace area on the east side.

The addition will consist of a full basement and two floors. Part of the present basement will be converted into food service facilities and will house a bake shop, washrooms, locker and employees' lounge areas. The existing University Post Office will be relocated to the basement floor of the new addition which will also house a Book Store enlarged to about three times its present size.

1962-1970 CAPITAL PROGRAM

THE DEPARTMENT OF BUILDINGS & GROUNDS PROGRESS REPORT FOR _____

PROJECT	APPROPRIATIONS (IN MILLIONS OF DOLLARS)		A PRELIM DISCUSS	B PRELIMINARY PLANS	C DETAIL WORKING DRAWINGS	D CONST'N	E FURNISHINGS
	CAPITAL PROGRAM	ESTABLISHED APPROPRIATIONS					
1 UNIVERSITY COLLEGE OFFICE ADDITION	.305	.305					
2 SYDENHAM HALL MENS' RESIDENCE	2.400	2.400					
3 MEDICAL SCIENCES BUILDING	5.500	5.500					
4 SERVICES BUILDING	.350	.385					
5 MIDDLESEX COLLEGE ADDITIONS	.675	.690					
6 CHEMISTRY BUILDING	2.500	3.115					
7 BIOLOGICAL & GEOLOGICAL WING INCL. GREENHOUSE	2.000	2.725					
8 PHYSICAL SCIENCES BLDG REHABILITATION	.300						
9 NATURAL SCIENCES BUILDING N- INCL. N. CHILLER PLANT	1.550	1.758					
10 BOILERS, ETC.	.500	.500					
11 SOMERVILLE HOUSE ADDITION	1.500	1.800					
12 SECOND WOMENS' RESIDENCE	3.200	3.900					
13 TALBOT COLLEGE	2.500	2.970					
14 ALUMNI HALL	2.000	2.288					
15 GRADUATE COLLEGE	2.200						
16 WOMENS' P.H.R.E. BUILDING	1.750						
17 OBSERVATORY	.500						
18 THIRD MENS' RESIDENCE	2.500						
19 BUSINESS SCHOOL ADDITION	1.000						
20 ENGINEERING SCIENCE ADDITION	1.500						
21 UNIVERSITY COLLEGE ADDITION	.450						
22 LAWSON LIBRARY ADDITION	.500						
23 SERVICES	.275						
24 RECREATIONAL FACILITIES	.450						
25 DENTAL BUILDING							
26 STEVENSON HALL ADDITION							

LEGEND

PREVIOUS YEARS | 1962-63 | 1963-64 | 1964-65

- A. PRELIMINARY DISCUSSIONS — including committee work and preparation of a project planning guide.
- B. PRELIMINARY PLANS — showing functional layout to the approval of the departments concerned and the board.
- C. DETAIL WORKING DRAWINGS — information for and in liaison with the architect and engineers up to and including the reception and assessment of tenders.
- D. CONSTRUCTION — control and approval of payments.
- E. FURNISHINGS — layout, design and purchase of furnishings and equipment in consultation with departments; to include all installations.

The first floor area now occupied by the Book Store will be converted into student offices. The new portion of the first floor will be coffee shop and University Health Services. The second floor of the new addition will contain a banquet hall seating 250, five private dining rooms, each accommodating about 20, and new faculty dining rooms and lounge will also be located on this floor.

The total seating has doubled and the graduate students will have their own dining facilities in the room presently used by faculty.

Final plans and specifications were approved for Alumni Hall, tenders called, and on June 18, 1965 the contract was awarded with completion provided for the fall of 1966 on a total budget of \$2,288,000. The building will be located across the road from and directly south of Thames Hall to which it will be connected by an underground public walk-through tunnel.

The central area of the building will serve a dual purpose as an auditorium and for basketball games. The auditorium will have 13 rows of permanent seats with the rest movable, some of which will be on ramps, making almost all of the seating capacity on an inclined surface. Seating for stage productions will be 2,150 with the farthest seat located only 130 feet from the stage. For basketball, the accommodations will handle an additional 100 spectators. The area can also serve as an examination hall. Four other activity areas are provided as well as six squash courts located below the stage. The front portion of the building contains four seminar rooms and an alumni lounge with alumni offices located along the east side.

The concert hall is expected to provide the best possible acoustical conditions for either symphony or a single speaker. Adjustment between these two extreme conditions is by movable wall sections to alter the wall area from an absorptive to a reflective surface.

The Board of Governors approved of the revised plans and specifications for the Second Women's Residence which will be constructed on the west bank of the river, just north of the University Bridge. Tenders were called on March 14, 1965 and the contract was awarded to W. A. McDougall Ltd. Work commenced in June with occupancy scheduled for September, 1966. The total budget was authorized at \$3,900,000. The five-storey building is designed in the form of a letter X with wings radiating from a core area which contains a formal dining room and a formal lounge as well as the general student lounges. The building is completely air conditioned.

On the ground floor, one wing will house the kitchen and food services facilities. A second wing contains a music room, a dual purpose lounge, a conference room, several study rooms, and offices. Two small dining rooms and the storage areas are situated in the third wing. The other floors of these wings, and all floors of the fourth wing, will house a total of 165 double bedrooms and 122 single bedrooms for an occupancy of 452 students. In addition there will be four Dons' rooms, a Warden's suite and two guest rooms.

Tenders were called and the contract awarded for Talbot College as a third constituent college designed to accommodate 2,000 students, presenting courses in several subjects of the Arts Faculty. Construction is scheduled for occupancy in September, 1966 with a total project cost of approximately \$3,000,000.

The building will be three storeys and will be fully air conditioned. In addition to 18 lecture rooms and 15 seminar rooms, it will contain a speech laboratory, examination space for 250, and a theatre seating 400 but having a full-sized, completely equipped stage. A food service area is provided for 300 seats.

Equipment

A third small van and a station wagon were added to the vehicles of the department. Additional trucks were used on a rental basis during the latter part of the year, mainly due to moving into new buildings. At the end of June 1965, the vehicles of the Department of Buildings and Grounds consisted of eight small trucks, two medium trucks and three tractors.

CANADIAN OFFICERS' TRAINING CORPS

Report of the Acting Commanding Officer

Major G. F. H. Chess

The second round of effects of the new government defence policy was felt this year in the form of a somewhat reduced quota for new entries and a cutback in training from three years to two, except for a few selected cadets. This effectively achieves the 50% reduction which was announced by the Minister. It is expected that the next big change will be the integration of the Armed Forces on Campus.

The new RSO, Captain C. F. Allen, CD, a gunner from Camp Shilo, has done a first rate job. He will be somewhat busier in the coming years due to the loss of the services at the Windsor Detachment of Captain G. Facey, the Recruiting Officer. Captain Facey has been instructed to cease acting as a part-time RSO at Windsor.

Enrollment and Contingent Strength

The task of the Selection Board was made somewhat easier this year in that new cadets were not assigned to Corps except for chaplains. This permitted the selection of the best candidates without regard to Corps. A further innovation was to add a Militia Officer to the Board; this is one step of several designed to increase the number of COTC graduates going to the CA(M).

1.	Total applications	25
2.	Rejections	6
	a) Medical grounds	Nil
	b) Result of personnel selection test	2
	c) by university selection board	4
	d) late applications	Nil
	e) result of applications withdrawn	5
	f) other reasons	Nil

3. Total enrolled 14

The total strength of the Contingent as of May 31 was:

	<u>UWO</u>	<u>Waterloo</u>	<u>Windsor</u>	<u>Total</u>
Contingent Officers	4	2	2	8
COTC	11	10	9	30
ROTP	6	9	8	23
RCN ROTP	8			8
MSP - CA(R)	6			6
RCN MSP	2			2

Theoretical Training

Theoretical training was carried out from September 29, 1964 to April 8, 1965. Each Detachment paraded one evening per week:

Waterloo University College Tuesday, 6:00 to 8:00 p. m.

University of Western Ontario Wednesday, 6:30 to 8:30 p. m.

University of Windsor Thursday, 4:30 to 6:30 p. m.

The new look in theoretical phase training is a basic two-year plan with selected cadets taking a third. Approximately half is tri-service with the remainder single service. The decision to decommission HMCS Prevost and, along with it, the UNTD and the tender in Kitchener posed a problem in providing naval instruction which was compounded by attaching the RCN ROTP at UWO to the Contingent for training. The RCN provided a token instruction by retaining L/Cdr. Poucher (London) and L/Cdr. K. Scott (Waterloo) on strength of HMCS Star, HAMILTON, and authorizing them to draw pay for delivering about ten lectures. A properly integrated unit on Campus should go a long way to alleviating this difficulty.

Unit Administration

The official drawings for the proposed new badge for the Contingent were approved by the Acting Commanding Officer in April 1965 and

were returned to Canadian Forces Headquarters who will now arrange to obtain Royal assent. With luck, the badge should be in use by this time next year.

Special Events

January 29, 1965	Military Ball -- Windsor Detachment
February 13-14, 1965	Rifle Tournament vs. RMC at RMC Kingston
February 20, 1965	Mess Dinner -- Windsor Detachment
February 20, 1965	Military Ball -- Waterloo Detachment
February 19, 1965	Military Ball -- London
March 26-28, 1965	Annual Contingent Concentration
March 27, 1965	Mess Dinner -- London

Practical Phase Training

A total of 26 COTC 2nd Lieutenants and Officer Cadets were dispatched for summer training at schools and units of the Canadian Army (Regular). This included only one for third phase training -- 2Lt. D. A. Fowler, Waterloo. Both he and 2Lt. A. C. Broeders, Windsor, had been selected for third phase training with Canada's NATO Forces in Europe, but the overseas training was cancelled for an undisclosed reason, much to the consternation of the members of this unit, and training in Canada offered in lieu. Mr. Broeders declined the training.

50th Anniversary of the University of Western Ontario Contingent COTC

The plans for a special Mess Dinner have not been forgotten -- simply postponed.

Contingent Staff 1964-651. Contingent Officers

Commanding Officer	Lt. Col. J. H. Blackwell	COTC
Second-in-Command	Maj. G. F. Chess, CD	RCEME
Adjutant	Capt. J. A. Fulford	COTC
OC Waterloo Det.	Maj. J. M. Clark, CD	COTC
2 I/C Waterloo Det.	Capt. J. M. Ryan, CD	RCAMC
OC Windsor Det.	Maj. P. A. Deneau	RCAC
2 I/C Windsor Det.	Capt. G. A. Mascaro	RCAC

2. Attached

RSO	Capt. C. F. Allen, CD	RCA
Contingent Officer	Capt. C. F. Whebell	RCAC
Clerk	S/Sgt. Jones, G. E., CD	CWAC

3. Part-time

Part-time RSO WINDSOR	Capt. G. G. Facey	RCIC
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105 UNIVERSITY SQUADRON (RCAF)

Report of the Commanding Officer

W/C John E. K. Foreman

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 train for two winters and two summers, the completion of which qualifies them for a commission in the Reserve Force and, on graduation from University, in the Regular Air Force. A limited number of undergraduates is selected for a third winter and summer of training.

Under the ROTP, selected undergraduates also take winter and summer training and, in addition, the cost of their university education is paid by the government, including a subsistence allowance and pay-at-rank. After graduation, they are required to serve four years as commissioned officers in the Regular Air Force.

Under the UMSP, similar benefits are provided for the undergraduate, with the addition of 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 certain objectives; these are reiterated as follows:

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 a 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 generally strengthen the contact between the service and the universities, in order that, by adequate liaison and exchange, both may benefit through mutual understanding and appreciation of the respective role which is played by each in today's society.

Squadron Strength

The strength of the Squadron as of March 31, 1965 was as follows:

	<u>UWO</u>		<u>University of</u>	
	<u>London</u>		<u>Windsor</u>	
	<u>Male</u>	<u>Female</u>	<u>Male</u>	<u>Female</u>
Reserve Staff Officers	3		1	
URTP (O/Cs & P/Os)	9		1	1
ROTP	16		4	
UMSP	5			
RCAF Regular (Ex/ Airmen)	1			
Regular Force Support	2			
	<u>36</u>		<u>6</u>	<u>1</u>

Total: 42 Male, 1 Female

During the past year there were two Regular Force Officers enrolled in the Faculty of Medicine pursuing their M. D., and one Regular Force Officer studying psychology in the Faculty of Graduate Studies.

Recruiting

A continuing effect of last year's decision of the Department of National Defence to reduce the cost of reserve training at the universities was reflected in the URTP recruiting quota being restricted to below normal levels once again -- this time to three Cadets. The three positions were

filled by male students from UWO. The recruiting quota for 1965-66 will be adjusted to eight Cadets for 105 University Squadron (including University of Windsor).

Under ROTP recruiting, five male applicants from UWO were accepted from first year.

Winter Training

The winter training programme for URTP and ROTP Cadets was again conducted on Wednesday evenings in the Engineering Science Building. The programme for the first term consisted of integrated lectures for the Army, Navy and Air Force Cadets which were based on the Military Studies Syllabi of the Canadian Services College. Lectures by staff officers were given on The History and Organization of the Services, Service Information, Military History, and World Affairs.

The second term consisted of lectures by faculty members and guest lecturers on Journalism, Public Relations, Propaganda and Brainwashing, The Royal Flying Corps, Heraldry of RCAF Insignia, Palestinian Archeology, The Royal Commission on Medicare, Stock Market and Investments, Wills and Estates. Group Captain E. J. McLeod visited the Squadron on March 10, 1965 and spoke on Integration of the Services and Career Opportunities in the RCAF.

The senior Cadets participated in the Remembrance Day Service. The Tri-Service Ball was held at the former HMCS Prevost on February 19, 1965 and the Annual Squadron Mess Dinner was held at the Officers' Mess at RCAF Station Centralia on March 12, 1965. Mr. J. K. Elliott, Editor of the London Free Press, was the guest of honour and speaker at the dinner.

In addition to the above events, the Squadron was pleased to welcome the following visitors to UWO as guests and observers of Squadron activities:

Group Captain G. F. Ockenden, Commanding Officer,
RCAF Station Centralia, Ontario.

Group Captain E. J. McLeod, Senior Ground Training
Staff Officer, Training Command Headquarters,
Winnipeg, Manitoba.

Group Captain W. C. Van Camp, Training Command
Headquarters, Winnipeg, Manitoba.

Squadron Leader A. S. Nicol, Training Command Headquarters, Winnipeg, Manitoba.

Summer Training

All first year Cadets except the UMSP enrollee proceeded to the Reserve Officers' School at RCAF Station Centralia for basic training before being assigned to specialized training in various branches of the Service at RCAF Stations throughout Canada. The UMSP trainee proceeded to the Canadian Forces Medical Services Training Centre at RCAF Station, Camp Borden, Ontario.

Second and third year Cadets proceeded directly to RCAF Stations to continue contact training in their specialized branches.

The following third year personnel were selected for summer postings overseas:

Pilot Officer L. W. Loopstra to No. 1 Wing, Marville, France

Pilot Officer L. M. Richards to No. 4 Wing, Baden-Soellingen, Germany

Staff

The following comprised the establishment of UWO 105 University Squadron for 1964-65:

Commanding Officer -- Wing Commander John E. K. Foreman

Chief Training Officer -- Squadron Leader J. R. W. Gwynne-Timothy

Staff Officer -- Flight Lieutenant W. Bulani

RCAF Representative, University of Windsor -- Squadron Leader W. G. Benedict

Resident Staff Officer -- Flight Lieutenant G. F. Loucks

University Support Clerk -- Corporal R. G. Ingram

Flight Lieutenant Loucks completed his third year as Resident Staff Officer (RCAF) and Armed Forces Co-ordinator for UWO. However, he is to be transferred to RCAF Station Portage la Prairie, Manitoba (Flying Instructors' School), and it is with regret that this Squadron will be without the services of this competent officer in the future. Flight

Lieutenant Loucks contributed in many ways to the effective operation and development of 105 University Squadron, and his co-operation and assistance will be sorely missed by all staff officers and cadets.

Flight Lieutenant F. G. Hassel has been appointed to succeed Flight Lieutenant Loucks as Resident Staff Officer for 105 University Squadron, and I wish to take this opportunity to welcome him and to say how much the Squadron looks forward to its association with him.

Squadron Leaders J. R. W. Gwynne-Timothy and W. G. Benedict again participated as lecturers at the Reserve Officers' School for the first year Cadets which was held during the period May 12 to June 26 at RCAF Station Centralia.

I am pleased to announce that Squadron Leader J. R. W. Gwynne-Timothy has assumed command of 105 University Squadron, with promotion to Acting Wing Commander as of June 1, 1965. I regret that pressure of academic duties necessitated my retirement at that time; however it was done with the assurance that the Squadron and its training policies will continue to flourish and be a recognized and respected form of campus activity under the able guidance of Wing Commander Gwynne-Timothy. I am indeed grateful for having been offered the opportunity to serve with the Royal Canadian Air Force, and my association with the University Squadrons in general and 105 University Squadron in particular has provided me with an experience which has been both challenging in its scope and satisfying in its many rewards. It is only natural on my part to hope that I have been able to contribute in equal measure to the service and the Squadron during the past nine years.

Once again, it is my pleasure to confirm my sincere appreciation to the Squadron Staff Officers, Cadets, the other service units on the Campus, the Faculty and the members of the University administration for their continued enthusiastic support of Squadron objectives and activities. This co-operation has been the dominant factor which has contributed to the successful year which the Squadron has again enjoyed.

APPENDIX A
STAFF CHANGES

STAFF CHANGES

FACULTY OF GRADUATE STUDIES

Retirement

R. A. Allen Dean

Appointment

R. J. Rossiter Associate Dean

FACULTY OF ARTS AND SCIENCES

University College

Resignations *

M. H. M. MacKinnon Principal Designate, Professor and Head,
Department of English

D. C. Bradley Professor, Department of Chemistry

N. R. Kunchur Assistant Professor, Department of
Chemistry

J. M. Arrowsmith Lecturer, Department of Economics and
Sociology

M. L. Burstein Professor, Department of Economics and
Sociology

A. A. Churchill Lecturer, Department of Economics and
Sociology

K. J. Duncan Assistant Professor, Department of
Economics and Sociology

*In some instances a resignation denotes a transfer within the College
system.

Resignations (continued)

M. L. Mamalakis	Assistant Professor, Department of Economics and Sociology
W. E. Mann	Assistant Professor, Department of Economics and Sociology
T. I. Matuszowski	Visiting Professor, Department of Economics and Sociology
W. J. Morris	Assistant Professor, Department of Economics and Sociology
L. Bartlett	Instructor, Department of English
M. Brock (Miss)	Instructor, Department of English
P. D. Fleck	Assistant Professor, Department of English, to become Associate Professor and Acting Head, Department of English, Middlesex College
B. L. Joseph	Visiting Professor, Department of English
D. B. McKeen	Lecturer, Department of English
J. Ramsay (Miss)	Instructor, Department of English
J. Stott	Instructor, Department of English
T. J. Ulrych	Assistant Professor, Department of Geophysics
P. Dobson	Lecturer, Department of History
J. A. Bruce	Associate Professor, Department of Philosophy
P. R. Robinson	Associate Professor, Department of Philosophy
M. A. Stewart	Lecturer, Department of Philosophy
G. R. Herbert	Associate Professor, Department of Physics

Resignations (continued)

R. W. Nicholls	Senior Professor, Department of Physics
D. C. Tyte	Assistant Professor, Department of Physics
R. M. Dawson	Lecturer (part-time), Department of Physical, Health and Recreation Education
M. A. Screech	Visiting Senior Professor, Department of Romance Languages

Leaves-of-Absence

I. Avotins	Lecturer, Department of Classics
M. H. M. MacKinnon	Principal Designate, University College, Professor and Head, Department of English
H. Berry	Associate Professor, Department of English
J. A. Bruce	Associate Professor, Department of Philosophy
J. H. Blackwell	Senior Professor, Department of Pure and Applied Mathematics and Astronomy
K. J. Duncan	Assistant Professor, Department of Economics and Sociology
W. K. Ferguson	Professor, Department of History
R. W. Nicholls	Senior Professor, Department of Physics
G. L. Reuber	Professor and Head, Department of Economics and Sociology
G. G. Suffel	Associate Professor, Department of Geology
R. J. Uffen	Principal, University College
T. J. Ulrych	Assistant Professor, Department of Geophysics

Promotions

- A. R. Anderson Assistant to Associate Professor,
Department of German
- F. Atance Instructor to Lecturer, Department of
Romance Languages
- T. K. R. Bourns Assistant Professor to Associate Professor,
Department of Zoology
- P. B. Cavers Lecturer to Assistant Professor, Department
of Botany
- B. Davies Lecturer to Assistant Professor, Department
of Romance Languages
- A. Dreimanis Associate Professor to Professor,
Department of Geology
- A. D. Edgar Lecturer to Assistant Professor, Department
of Geology
- D. E. Gerber Assistant Professor to Associate Professor,
Department of Classics
- J. W. Graham Associate Professor to Associate Professor
and Head, Department of English
- J. F. Hart Associate Professor and Head to Professor
and Head, Computer Science Department
- K. Innanen Lecturer to Assistant Professor, Department
of Pure and Applied Mathematics and
Astronomy
- D. F. Jones (Miss) Lecturer to Assistant Professor, Department
of Romance Languages
- N. D. Jones Lecturer to Assistant Professor, Computer
Science Department
- W. W. Judd Associate Professor to Professor, Department
of Zoology

Promotions (continued)

- J. F. King Assistant Professor to Associate Professor,
Department of Chemistry
- C. D. MacInnes Lecturer to Assistant Professor, Department
of Zoology
- J. B. Phipps Lecturer to Assistant Professor,
Department of Botany
- A. E. Scott Assistant Professor to Associate Professor,
Department of Chemistry
- D. M. Scott Associate Professor to Professor,
Department of Zoology
- R. M. Stingle Lecturer to Assistant Professor, Department
of English
- J. B. Stothers Assistant Professor to Associate Professor,
Department of Chemistry
- G. G. Suffel Associate Professor to Professor,
Department of Geology
- S. Takasu Assistant Professor to Associate Professor,
Computer Science Department
- G. L. Tracey Associate Professor to Professor, Department
of German
- A. V. Tucker Associate Professor and Acting Head to
Associate Professor and Head, Department
of History
- H. van der Laan Assistant Professor to Associate Professor,
Department of Pure and Applied Mathematics
and Astronomy
- D. B. Walden Assistant Professor to Associate Professor,
Department of Botany
- R. L. Walters Assistant Professor to Associate Professor,
Department of Romance Languages

Promotions (continued)

E. Ward (Mrs.)	Lecturer to Assistant Professor, Department of Secretarial Science
A. M. Wellman (Mrs.)	Lecturer to Assistant Professor, Department of Botany
G. G. Winder	Associate Professor to Professor, Department of Geology

Appointments

E. J. Barbeau	Assistant Professor, Department of Pure and Applied Mathematics and Astronomy
L. Bartlett	Instructor, Department of English
J. M. Bennett	Instructor, Computer Science Department
E. Bieman (Mrs.)	Instructor (part-time), Department of English
D. E. Bond	Lecturer, Department of Economics and Sociology
M. L. Burstein	Professor, Department of Economics and Sociology
P. Davis (Miss)	Instructor, Department of Secretarial Science
A. S. Deakin	Assistant Professor, Department of Pure and Applied Mathematics and Astronomy
J. L. Delkin	Assistant Professor, Department of Pure and Applied Mathematics and Astronomy
F. A. Dreyer	Assistant Professor, Department of History
J. R. Dugan	Instructor, Department of Romance Languages
G. Edwards	Lecturer, Department of Pure and Applied Mathematics and Astronomy
R. Emerson	Assistant Professor, Department of History

Appointments (continued)

M. E. L. Fleet	Lecturer, Department of Geology
R. I. Greyson	Lecturer, Department of Botany
S. B. Gupta	Lecturer, Department of Economics and Sociology
D. S. Hair	Lecturer, Department of English
G. R. Hebert	Assistant Professor, Department of Physics
D. E. Hill	Lecturer, Department of Classics
D. J. Hockney	Lecturer, Department of Philosophy
R. W. Hutchinson	Associate Professor, Department of Geology
B. L. Joseph	Visiting Senior Professor, Department of English
A. H. Johnson	Senior Professor, Department of Philosophy
D. Kaula	Assistant Professor, Department of English
C. W. Kuehne	Instructor, Computer Science Department
W. Laidlaw	Assistant Professor, Department of Chemistry
A. C. Lenz	Assistant Professor, Department of Geology
A. R. Littlewood	Instructor, Department of Classics
T. M. Luke	Assistant Professor, Department of Pure and Applied Mathematics and Astronomy
P. W. Manuel	Assistant Professor, Department of Pure and Applied Mathematics and Astronomy
T. I. Matuszewski	Visiting Professor, Department of Economics and Sociology
M. E. Moulton (Mrs.)	Instructor, Department of Zoology
R. W. Osborn	Lecturer, Department of Economics and Sociology

Appointments (continued)

F. Roseman	Lecturer, Department of Economics and Sociology
H. J. Schueler	Lecturer, Department of German
M. A. Screech	Visiting Professor, Department of Romance Languages
D. E. Smylie	Assistant Professor, Department of Geophysics
I. K. Steele	Lecturer, Department of History
J. E. Steele	Assistant Professor, Department of Zoology
M. A. Stewart	Lecturer, Department of Philosophy
D. C. Tyte	Visiting Assistant Professor, Department of Physics
P. Warnhoff (Mrs.)	Sessional Lecturer, Department of Chemistry
D. Westgate	Instructor, Department of Romance Languages
M. W. Wilson	Instructor, Computer Science Department
E. L. Vogan	Visiting Associate Professor, Department of Physics
H. E. Battle (Miss)	Professor, Department of Zoology
E. M. Berzins (Mrs.)	Associate Professor, Department of Physical, Health and Recreation Education

Middlesex CollegeResignations

R. Bates*	Associate Professor, Department of English
M. J. Estok	Instructor, Department of English

*Transfer within the College system to University College.

Resignations (continued)

P. D. Fleck	Assistant Professor (to become Associate Professor and Acting Head, July 1, 1965), Department of English
D. Hauser	Associate Professor, Department of English
P. C. Stratford	Associate Professor, Department of English
J. Stumpf	Instructor, Department of English
R. G. Woodman	Professor and Acting Head (to remain as Professor), Department of English
B. W. Hodgins	Assistant Professor, Department of History
G. A. Wilson	Associate Professor and Head, Department of History
R. N. Kelson	Associate Professor, Political Science
J. Paul	Associate Professor (part-time), Department of Psychology
E. Sosa	Instructor, Department of Psychology
W. R. Ince	Visiting Senior Professor, Department of Romance Languages
T. Ramos	Assistant Professor, Department of Romance Languages

Leaves-of-Absence

N. L. Nicholson	Professor, Department of Geography
F. K. Harper	Lecturer, Department of Romance Languages
R. N. Kelson	Associate Professor, Department of Political Science
C. F. Klinck	Senior Professor, Department of English
P. C. Stratford	Associate Professor, Department of English

Promotions

R. G. Bates	Assistant Professor to Associate Professor, Department of English
I. Block	Assistant Professor to Associate Professor, Department of Philosophy
W. Burghardt	Lecturer to Assistant Professor, Department of Romance Languages
R. E. Butts	Professor and Acting Head to Professor and Head, Department of Philosophy
B. B. Kymlicka	Lecturer to Assistant Professor, Department of Political Science
P. V. Lyon	Associate Professor to Professor and Head, Department of Political Science
R. McDaniel	Lecturer to Assistant Professor, Department of Geography
R. C. Overton	Professor to Senior Professor, Department of History
J. Reaney	Associate Professor to Professor, Department of English
J. W. Simmons	Lecturer to Assistant Professor, Department of Geography
E. Sosa	Instructor to Lecturer, Department of Philosophy
J. K. Walker	Lecturer to Assistant Professor, Department of Psychology
G. A. Wilson	Associate Professor to Associate Professor and Acting Head, Department of History
R. G. Woodman	Professor to Professor and Acting Head, Department of English

Appointments

Anne C. Bolgan (Miss)	Assistant Professor, Department of English
C. C. Dunlop	Assistant Professor, Department of Political Science
A. Favre	Visiting Associate Professor, Department of Romance Languages
Louise H. Forsyth (Mrs.)	Instructor, Department of Romance Languages
A. M. J. Hyatt	Lecturer, Department of History
N. Hultin	Lecturer, Department of English
W. N. Ince	Visiting Senior Professor, Department of Romance Languages
D. N. Jackson	Senior Professor, Department of Psychology
R. M. Knights	Assistant Professor, Department of Psychology
D. R. Maskell	Instructor, Department of English
D. McFadden	Instructor, Department of Russian Studies
J. Meral	Assistant Professor, Department of Romance Languages
D. Metcalf (Miss)	Instructor, Department of English
N. L. Nicholson	Senior Professor (formerly Visiting Professor) Department of Geography
S. J. R. Noel	Lecturer, Department of Political Science
Anne M. Schrecher (Mrs.)	Lecturer, Department of Philosophy
J. Stumpf	Instructor, Department of English

College of MusicAppointments

G. Proctor	Associate Professor
R. Skelton	Instructor (part-time)

Resignation

G. Proctor	Associate Professor
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FACULTY OF MEDICINE

Retirements

J. H. Fisher	Professor and Head, Department of Pathology
H. A. Skinner	Professor and Head, Department of Gross Anatomy
L. Hull	Technician, Animal Laboratory
R. W. Wrigglesworth	Chief Technician, Animal Laboratory
W. M. Wilson	Lecturer (part-time), Department of Pathology

Resignations

R. J. Rossiter	Professor and Head, Department of Biochemistry (to become Dean, Faculty of Graduate Studies and to continue as Professor, Department of Biochemistry)
M. S. Smout	Associate Professor, Department of Pathology (to become Clinical Professor, Department of Pathology)

Leaves-of-Absence

J. H. Fisher	Professor and Head, Department of Pathology
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Leaves-of-Absence (continued)

- H. A. Skinner Professor and Head, Department of Gross Anatomy
- R. J. Rossiter Professor and Head, Department of Biochemistry

Promotions

- W. B. Barton Instructor (part-time) to Assistant Professor (part-time), Department of Medicine
- J. R. Beaton Associate Professor to Professor, Department of Physiology
- D. Bocking Instructor (part-time), Department of Medicine and Assistant Dean (part-time) to Clinical Assistant Professor (part-time), Department of Medicine and Assistant Dean (part-time)
- D. C. Bondy Instructor (part-time) to Clinical Lecturer (part-time), Department of Medicine
- D. H. Carr Assistant Professor to Associate Professor, Department of Anatomy
- B. L. Hession Clinical Assistant Professor (part-time) to Clinical Associate Professor (part-time), Department of Medicine
- G. G. Hinton Instructor (part-time) to Lecturer (part-time), Department of Paediatrics
- K. Hoshino Lecturer to Assistant Professor, Department of Anatomy
- N. M. Lefcoe Assistant Professor (part-time) to Associate Professor (part-time), Department of Medicine
- J. A. Lewis Clinical Assistant Professor (part-time) to Clinical Associate Professor (part-time), Department of Medicine

Promotions (continued)

D. B. Meltzer	Instructor (part-time) to Assistant Professor (part-time), Department of Medicine
G. A. Sears	Instructor (part-time) to Assistant Professor (part-time), Department of Medicine
J. H. Toogood	Instructor to Assistant Professor, Department of Medicine
J. H. Walters	Clinical Lecturer to Clinical Associate Professor, Department of Obstetrics and Gynaecology
G. G. Copestake	Clinical Professor and Head, Diagnostic Radiology
M. P. Wearing	Clinical Lecturer to Clinical Assistant Professor, Department of Obstetrics and Gynaecology
R. G. Wiens (Mrs.)	Resident Assistant to Sessional Instructor, Department of Anatomy
W. W. J. Wilkins	Instructor (part-time) to Lecturer (part-time), Department of Diagnostic Radiology

Appointments

M. G. P. Cameron	Professor and Head, Department of Physical Medicine and Rehabilitation
A. H. Neufeld	Chief Pathologist, Hamilton King Meek Memorial Laboratory and to continue as Professor and Head, Department of Pathological Chemistry
W. Zaharia	Assistant Professor, Department of Pathological Chemistry
C. C. Bigelow	Associate Professor, Biochemistry
H. B. Stewart	Professor and Head, Biochemistry

Appointments (continued)

S. Hoshino	Technician, Cancer Research Laboratory
B. Serdarevich	Assistant Professor, Medical Research
A. C. Wallace	Professor and Head, Pathology

SCHOOL OF NURSING

Promotions

S. R. Good (Miss)	Lecturer to Assistant Professor
N. E. Healey (Miss)	Lecturer to Assistant Professor
Vivian Wood (Mrs.)	Instructor to Lecturer

FACULTY OF DENTISTRY

Appointments

W. J. Dunn	Dean
M. L. Barr	Professor and Head, Department of Anatomy
R. G. E. Murray	Professor and Head, Department of Bacteriology
H. B. Stewart	Professor and Head, Department of Biochemistry
A. C. Wallace	Professor and Head, Department of Pathology
C. W. Gowdey	Professor and Head, Department of Pharmacology
J. A. F. Stevenson	Professor and Head, Department of Physiology

SCHOOL OF BUSINESS ADMINISTRATION

Resignations

G. Edwards	Visiting Professor (part-time)
P. G. Kirkham	Lecturer
N. Macintosh	Lecturer
P. P. Miller	Instructor
M. Moravec	Lecturer
J. B. Pearson	Assistant Professor
R. Peterson	Lecturer

Leaves-of-Absence

G. S. Day	Lecturer
J. F. Graham	Assistant Professor
J. A. Humphrey	Lecturer
R. J. Kennedy	Lecturer
R. K. Ready	Professor
W. L. Weber	Lecturer
N. Yarmoshuk	Lecturer

Promotions

A. A. Grindlay	Assistant Professor to Associate Professor
C. K. May	Assistant Professor to Associate Professor
A. Mikalachki	Lecturer to Assistant Professor
M. Moravec	Instructor to Lecturer

Promotions (continued)

J. T. Nicholson	Associate Professor to Professor
J. R. Nininger	Instructor to Lecturer
R. Peterson	Instructor to Lecturer
D. H. Thain	Associate Professor to Professor
R. C. Hodgson	Assistant Professor
N. B. Macintosh	Lecturer
G. B. Moffett	Lecturer

FACULTY OF ENGINEERING SCIENCE

Resignation

J. L. Kearns	Professor
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Leave-of-Absence

W. H. Peacock	Lecturer
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Promotions

W. Bulani	Assistant Professor to Associate Professor
A. G. Davenport	Assistant Professor to Associate Professor
A. T. Olson	Assistant Professor to Associate Professor
S. R. Ross	Instructor (part-time) to Lecturer (part-time)
L. G. Soderman	Assistant Professor to Associate Professor

Appointments

W. H. Davis	Secretary of Faculty
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Appointments (continued)

N. J. Gardner Assistant Professor

G. A. Geach Professor

I. I. Inculet Associate Professor

FACULTY OF LAW

Resignations

D. M. Johnston Assistant Professor

F. Labrie Lecturer (part-time)

R. S. McKay Professor

Promotions

D. M. Johnston Assistant Professor to Associate Professor

E. E. Palmer Assistant Professor to Associate Professor

J. D. Payne Associate Professor

Appointments

A. W. R. Carrothers Dean

W. R. Poole Sessional Professor (part-time)

B. G. Smith Sessional Professor

ALTHOUSE COLLEGE OF EDUCATION

Appointment

V. S. Ready Assistant Dean

SUMMER SCHOOL AND EXTENSION DEPARTMENT

Resignation

J. A. McIntyre Director

Leave-of-Absence

J. A. McIntyre Director

RESIDENT STAFF ARTIST

Resignation

T. Urquhart

ADMINISTRATIVE

Retirements

A. McGill Supervisor, Medical School Snack Bar

G. Zellar Dish Machine Operator, Food Services

Resignation

J. P. McLaughlin Deputy Chief Librarian (to become Associate
Professor, Department of History, University
College)

APPENDIX B
REGISTRATION

TABLE NO. 16

REGISTRATION - WHOLE UNIVERSITY - 1964-65

	FULL-TIME		PART-TIME		TOTAL		
	Men	Women	Men	Women	Men	Women	
<u>FACULTY OF ARTS AND SCIENCES</u>							
Middlesex College (General)	623	451	6	7	629	458	
Middlesex College (Honours)	176	129	--	--	176	129	1,392
University College (General)	1,062	623	44	27	1,106	650	
University College (Honours)	322	97	--	--	322	97	2,175
The College of Music	31	54	2	--	33	54	87
	<u>2,214</u>	<u>1,354</u>	<u>52</u>	<u>34</u>	<u>2,266</u>	<u>1,388</u>	<u>3,654</u>
Correspondence			187	142	187	142	
Extension			707	472	707	472	
Summer School			1,296	690	1,296	690	
			<u>2,190</u>	<u>1,304</u>	<u>2,190</u>	<u>1,304</u>	<u>3,494</u>
Duplicates			33	14	33	14	47
			<u>2,157</u>	<u>1,290</u>	<u>2,157</u>	<u>1,290</u>	<u>3,447</u>
<u>The Affiliated Colleges</u>							
Huron College	327	186	4	2	331	188	519
Brescia College	--	184	--	30	--	214	214
College of Christ the King	184	--	2	--	186	--	186
St. Peter's Seminary	46	--	1	--	47	--	47
	<u>557</u>	<u>370</u>	<u>7</u>	<u>32</u>	<u>564</u>	<u>402</u>	<u>966</u>
TOTALS	<u>2,771</u>	<u>1,724</u>	<u>2,216</u>	<u>1,356</u>	<u>4,987</u>	<u>3,080</u>	<u>8,067</u>
<u>OTHER FACULTIES AND SCHOOLS</u> (Undergraduate)							
Business School	109	3	--	--	109	3	112
Engineering Faculty	252	4	4	--	256	4	260
Law Faculty	139	2	--	1	139	3	142
Medical Faculty	206	25	1	--	207	25	232
Nursing School	2	192	--	--	2	192	194
	<u>3,479</u>	<u>1,950</u>	<u>2,221</u>	<u>1,357</u>	<u>5,700</u>	<u>3,307</u>	<u>9,007</u>
<u>FACULTY OF GRADUATE STUDIES</u>							
Arts	241	54	37	24	278	78	356
Science	141	16	6	--	147	16	163
Business Administration	253	1	2	--	255	1	256
Engineering	18	--	--	--	18	--	18
Medicine	41	11	3	--	44	11	55
Nursing	--	10	--	--	--	10	10
	<u>694</u>	<u>92</u>	<u>48</u>	<u>24</u>	<u>742</u>	<u>116</u>	<u>858</u>
UNIVERSITY REGISTRATIONS	<u>4,173</u>	<u>2,042</u>	<u>2,269</u>	<u>1,381</u>	<u>6,442</u>	<u>3,423</u>	<u>9,865 (net)</u>

The overall net increase is 9.65% (M. C., U. C. and College of Music are up 10.93%, while the Affiliated Colleges are down 4.83%).

The portion of men to women:	1964-65	65.3%	34.7%
	1963-64	65.16%	34.84%
	1962-63	66.52%	33.48%
	1961-62	67.26%	32.74%
	1960-61	68.09%	31.91%

APPENDIX C
ONTARIO SCHOLARS - 1964

ONTARIO SCHOLARS - 1964

<u>Name of Student</u>	<u>Home Address</u>	<u>College</u>	<u>Programme</u>
Archer, Mary C.	Oshawa	U. C.	Two
Armstrong, Robert J.	Sarnia	U. C.	Pre-Med.
Blackshaw, W. Roy	Sarnia	U. C.	Pre-Med.
Brandon, Susan Lynn	Port Hope	M. C.	Two
Brown, Sheila H.	Sudbury	U. C.	Two
Burrows, E. Elizabeth	Stratford	U. C.	Sec. Sci.
Caslick, Wayne L.	Wingham	M. C.	Two
Chant, Karen E.	London	U. C.	Two
Chapman, Rosemary	London	U. C.	One
Charette, Margaret T. (Sister M. Clarita)	London	Brescia	Two
Cherniak, Robert N.	Windsor	U. C.	One
Clysdale, Marilyn B.	North Bay	U. C.	Pre-Med.
Cohen, Harris W.	London	M. C.	Pre-Bus.
Coleman, M. Diane	Markham	M. C.	Two
Cook, John Leslie	Woodstock	M. C.	Two
Cook, L. Linda	Rexdale	M. C.	Two
Cooper, Audrey F.	Kincardine	M. C.	Two
Craig, C. Dianne	Windsor	M. C.	Two
Cushman, H. A. Wayne	St. Thomas	M. C.	Two
Cutbush, Wesley S.	Owen Sound	U. C.	One
Davies, Gordon W.	London	U. C.	Two
Diesbourg, Mary E. (Sister Mary Mercy)	London	Brescia	Two
Dilkes, Frederick G.	London	Eng.	Eng. Sci.
Drimmie, R. Gordon	London	U. C.	One
Eberts, Mary A.	St. Thomas	M. C.	Two
Engelhardt, F. Rainer	London	U. C.	One
Erickson, Elaine M.	Burlington	M. C.	Two
Farkas, Lorraine J.	Willowdale	U. C.	Two
Farmer, Frances V.	London	U. C.	Two
Flemming, Barbara E.	Fort William	M. C.	Pre-Bus.
Fitzsimmons, Mary F.	Hamilton	U. S.	One
Forrest, Linda D.	Burlington	U. C.	Sec. Sci.
Gathercole, Lynn E.	Port Credit	M. C.	Two
Gillespie, Margaret E.	Komoka	U. C.	Two
Glover, George C., Jr.	Dundas	U. C.	Two

<u>Name of Student</u>	<u>Home Address</u>	<u>College</u>	<u>Programme</u>
Gordon, Jane E.	Stratford	M. C.	Two
Graves, Mary A.	St. Thomas	U. C.	Two
Greason, Leslie J.	Tecumseh	U. C.	Two
Greason, William D.	St. Mary's	Eng.	Eng. Sci.
Green, Bruce R.	St. Mary's	U. C.	One
Harrison, John L.	Delhi	U. C.	Two
Heawood, Leslie A.	Smithville	M. C.	Two
Hendriks, Clasina Gemma (Sister M. Clasina)	London	Brescia	Two
Herridge, Eleanor L.	Woodstock	Huron	Two
Hewitt, Marion E.	Parry Sound	U. C.	Two
Hogg, M. Eleanor	Sault Ste. Marie	U. C.	One
Hosner, Karen M.	Tillsonburg	U. C.	Two
Howes, Malkin Anne	Parry Sound	M. C.	Two
Hutcheson, Elaine M.	London	Huron	Two
Hymers, Marlene J.	London	M. C.	Two
Johnson, Wayne D.	London	Eng.	Eng. Sci.
Johnston, Sharon Y.	Petrolia	U. C.	Two
Kitto, Richard J.	Timmins	U. C.	One
Laidlaw, L. Diane	London	M. C.	Two
Lambregts, Hendrika A.	Mount Brydges	U. C.	Two
Larson, L. Peter E.	Oakville	M. C.	Pre-Bus.
Lawes, Beverley A.	Alvinston	U. C.	Nursing
Leask, Barbara E.	Sault Ste. Marie	U. C.	Pre-Med.
Little, Andrew M.	Kettleby	U. C.	One
Lorriman, John F.	Toronto	M. C.	Pre-Bus.
MacLennan, Joan I.	Listowel	U. C.	Nursing
McFarland, Ernest L.	London	U. C.	One
McKeen, John H. R.	London	U. C.	Pre-Med.
McNally, N. Keith	Oakville	U. C.	One
Madoff, Jeffrey L.	Windsor	U. C.	Pre-Med.
Miller, Grace Alda	Timmins	U. C.	One
Mills, Paul E.	London	Eng.	Eng. Sci.
Moore, Elwin T.	Lucknow	U. C.	Two
Morgan, Marilyn	Cannington	U. C.	Pre-Med.
Moulton, Marilyn R.	Mt. Elgin	U. C.	Nursing
Nesbitt, Gayle M.	Blenheim	M. C.	Two
Newell, Gerald H.	Springfield	U. C.	One
Newkirk, Margaret E.	Wallaceburg	M. C.	Two
Norton, David J.	Guelph	Huron	Two
Olde, Nancy L.	Clinton	U. C.	One
Pearce, Michael R.	Toronto	M. C.	Pre-Bus.
Porter, George R. S.	Windsor	U. C.	Pre-Med.
Rasmussen, Johanne	London	M. C.	Two

<u>Name of Student</u>	<u>Home Address</u>	<u>College</u>	<u>Programme</u>
Rathbun, Flora J.	London	U. C.	One
Rogers, M. Bryson	Toronto	U. C.	Pre-Med.
Salo, Diana L.	Timmins	M. C.	Two
Sawchuk, Sonia J.	Delhi	M. C.	Two
Scovil, Peter G.	Timmins	U. C.	One
Shaw, Brian A.	St. Thomas	M. C.	Two
Simpson, Sandra J.	London	M. C.	Two
Simpson, Sheila M.	Toronto	M. C.	Two
Smith, John R.	Woodstock	M. C.	Two
Stevens, Gerald F.	Woodstock	U. C.	Pre-Med.
Stoddard, Judith Ann	Windsor	M. C.	Two
Summers, R. Keith	Granton	U. C.	One
Swann, Alan R.	London	U. C.	One
Sword, Stephen D.	Parry Sound	M. C.	Two
Tolman, Jeffrey H.	Port Stanley	U. C.	One
Tomczyk, Charlotte A.	St. Catharines	U. C.	Two
Vallely, John F.	Hamilton	C. K. C.	Two
Van Rossum, Petronella	London	M. C.	Two
Watson, Nigel P.	Rexdale	U. C.	Two
Waugh, Rachel R.	Guelph	U. C.	Pre-Med.
Wignall, Rouleen A.	St. Thomas	U. C.	One
White, Hugh G.	London	U. C.	Two
Witchlow, Ann E.	Ajax	U. C.	One
Yates, Linda F.	London	U. C.	Two
Zembala, Donna	London	M. C.	Two

Ontario Scholars Summary

		<u>1964</u>		<u>1963</u>	<u>1962</u>
Brescia College		3		2	--
College of Christ the King		1		1	--
Huron College		3		3	--
St. Peter's Seminary		--		1	1
Engineering Science		4		7	3
University College		58		52	36
Prog. I	22		17		18
Prog. II	20		13		9
Pre-Med.	11		15		6
Pre-Bus.	--		2		--
B. Sc. N.	3		5		1
Sec. Sci.	2		--		2
Middlesex College		34		29	14
Prog. II	29		27		14
Pre-Bus.	5		2		--
School of Nursing		--		1	--
		<u>103</u>		<u>96</u>	<u>54</u>

Ratio: Men 43 - Women 60

THE DEAN'S HONOURS LIST, JULY 1964

The following is a list of students who have been awarded honours by the Dean of the Faculty of Arts and Sciences during the year 1963-64. The honours are awarded on the basis of the following criteria:

1. Academic achievement

2. Leadership in extracurricular activities

3. Service to the community

4. Character and conduct

APPENDIX D

THE DEAN'S HONOURS LIST, JULY 1964

1. Academic Achievement
Mr. Charles J. ...
Mr. ...
Mr. ...
Mr. ...

2. Leadership in Extracurricular Activities
Mr. ...
Mr. ...
Mr. ...
Mr. ...

THE DEANS' HONOURS LIST, JULY 1964

The following is the list of full-time undergraduate students with first class honours working toward a first degree in each Faculty. (The results of graduating students have been previously published.)

Note: * indicates an average of at least 85%

FACULTY OF ARTS AND SCIENCES

Brescia College

Campbell, Sister St. Fergus	Laframboise, Sister Mary Constance
Golden, Sister M. Scholastica	Vincec, Sister M. Stephanie

College of Christ the King

Fitzpatrick, Michael J.

Huron College

Ainslie, Mary Ann	Hill, Meredith A.
Boulet, Margaret J.	Jago, Charles J.
Danks, Herbert E.	McLaughlin, Hugh W.
Feheley, Sylvia L.	Meier, Niklaus Rudolf
Heathers, Susan E.	Robertson, Peter D. W.

Middlesex College

*Anderson, Joan Kathleen	Declerck, Patsy Ann
Arnold, Brian James	DeZwart, Tanny
Ash, Judith Marilyn	Elson, Mrs. H. E.
Beattie, Dianne	Gow, Tyrone T. T.
Bezair, Sara Elizabeth	Hamilton, Bonnie J.
Broy, Patricia V.	Hoogkamp, Grace
*Clouston, John Samuel	Hughes, John E.
Coone, Diana Louisa	Katzman, Ivan H.

Laidlaw, Patricia E.
 Langston, Lorraine S.
 Lawson, Ruth
 Lindores, Douglas P.
 Lockwood, Patricia A.
 McEwing, Wayne
 Mansell, Sandra E.
 Meadows, Gary A.
 Medd, Eileen E.
 Melus, Mary H.
 Nightingale, Donald V.
 Ogletree, Joyce M.
 O'Malley, Maureen P.
 Peterson, Herbert
 Pittaway, Barbara
 Price, Nancy E.
 Richardson, Robin M.
 Richmond, Ian M.
 Robertson, Elizabeth M.

Robinson, Malcolm S.
 Rose, Courtice G.
 Sage, Jennifer M.
 Sheahan, Judith M.
 Short, Brock K.
 Sheldrick, Catherine L.
 Shier, M. Jane
 Shirley, Robert D.
 Simon, Sharyn L.
 Swales, Shonnie
 Thomas, Frederick C.
 Verstraete, Bert C.
 Waldron, Ian
 Willis, Robert
 Wilson, Joseph H.
 Wilson, Lois
 Winkler, Ursula
 Yake, Elizabeth E. M.
 Zimmer, Bruce

St. Peter's Seminary

Donohue, Patrick James
 Hughes, Michael Joseph

Shaughnessy, John David

University College

Allan, Thomas L.
 Becker, Lorne A.
 Bennett, Brian S.
 Bignell, Richard C.
 Bilyk, Walter
 Blackshaw, Sharon
 Bostwick, Wilda
 Bradley, Douglas L.
 Briggs, Michael A.
 Brouwer, Henry
 Brown, William R.
 Burrows, Robert F.
 Callaghan, James O.
 *Callaghan, Nancy L.
 Carpenter, Donna
 Cauchi, Mario M.
 Chambers, Wilfrid D.

Charlton, John S.
 Churchman, Anthony C.
 Clark, Peter A.
 Cleland, Douglas
 Cochrane, William A.
 Connolly, Monica A.
 Cronk, Carolyn B.
 Dawson, Diane M.
 DeBoer, Gerrit
 Donald, Ian R.
 *Donnelly, Keith E.
 *Dreimanis, Aija
 Durnford, Margaret J.
 Eade, Sandra K.
 Fallona, Sheila A.
 Ferguson, Anne Marie
 Fysh, Jean S.

Given, Janet
 Grattan, Patricia
 Hamill, Doris E.
 Henderson, Patricia V.
 Hennessy, Donna D.
 Henning, Elizabeth M.
 *Henry, David G.
 Hewitt, Gerald
 Hick, Barbara J.
 Hicks, James C.
 Hierlihy, Ralph D.
 Hornby, David B.
 Hughes, Gerald M.
 Ivor, Margaret J.
 Jaaku, Andres
 Johnson, Ruth M.
 Klassen, Judy G.
 Kocsis, Geza W.
 Koop, Victor Gary
 Kreek, Holger
 Legge, Jocelyn T.
 Lockyer, Margaret A.
 Logan, Thomas A.
 Luinstra, Edward A.
 MacBain, Constance M.
 McClure, Robert D.
 MacDonald, Margaret C.
 McGaw, L. E.
 McKenzie, James E.
 McSpadden, Dennis A.
 Mahon, John
 Mantz, Brends-Lynn
 Martin, Peter J.
 Mead, Ernest R.
 *Melnyk, Theodor W.
 Mennill, Paul D.
 Merritt, Richard D.
 Moore, Stephen B.
 Neave, Kendal G.
 Noakes, David L. G.
 Page, J. Stewart
 Perrie, Donald J.
 *Ralph, Edward D.
 Rau, Manfred E.
 Robinson, Shirley A.
 Ruttle, Rhoda A.
 Sarjeant, Walter J.
 Scheifele, David W.
 *Smet, Eddy F. M.
 Sourwine, Dianna Joyce
 Spicer, Carol Lee
 Squire, Richard A. A.
 Stubble, Barbara A.
 Sulyma, Terrence J. D.
 Tackaberry, M. Elizabeth
 *Tull, Eric
 Van Zanden, Bill
 Walker, Rosemary L.
 Watts, Harold R.
 Weaver, James G.
 Webb, Gerald
 Weese, Robert D.
 *Whiting, Gordon R.
 Wither, Glen S.
 Wootten, Christopher E.
 *Zuliani, Preston

School of Business Administration
 (on the recommendation of the Dean)

Cronkwright, Jack	McGorman, John
Farrell, David	Vollmershausen, Dennis
Fryer, Brian	Westaway, James

THE FACULTY OF ENGINEERING SCIENCE

Aitkin, Gordon S.
 Bates, Paul V.
 Beattie, Jay
 Bishop, Dennis J.
 Box, Stephen
 Burrill, Kenneth A.
 Butler, Richard C.
 Cox, Bernard
 Grace, John R.
 Harvey, Kenneth P.
 Huber, William A.

Jeffery, Larry M.
 Kempling, J. Christopher
 Ledingham, David G.
 McGovern, David L.
 *McPhail, Robert E.
 Ola, Samuel A.
 Parish, Hugh W.
 Richardson, William J.
 Robinson, Terrence S.
 Shill, Ronald H.
 Woloshyn, Stephen

THE FACULTY OF LAW

(on the recommendation of the Dean)

Atkey, Ronald J.
 Bean, D. Michael
 Bellamy, Peter C.
 Deacon, G. Michael
 Dillon, Joseph M.
 Hamilton, William C.
 Hinnegan, Kenneth A.

Jenkins, Donald W.
 Lawson, J. Douglas
 Lewis James E.
 Morrison, Robert J.
 Shuster, Milan R.
 Walden, J. Philip

THE FACULTY OF MEDICINE

Austin, Thomas W.
 Clark, David A.
 *DeJonge, Christina
 Douglas, Bruce J.
 Doyle, Sally
 Dreimanis, Mara
 Edmonds, Merrill W.
 Edwards, Dale Virginia
 Ferguson, Gary G.
 Gibson, Gary A.
 Girvan, David P.
 Hiscox, James L.
 Hollands, Raymond H.
 Jackson, William B.

Johnston, James G.
 Knill, Richard L.
 Love, Robert R.
 Millman, William L.
 Mundy, Harcourt B.
 Newell, Joseph P.
 Novak, Emilie
 Rowed, David W.
 Sharpe, James A.
 Smith, Susan E.
 Wigle, Donald T.
 Wilensky, Alan J.
 Willis, Neil R.

Comparative Statistics

	<u>1963-64</u>		<u>1964-65</u>	
	<u>Men</u>	<u>Women</u>	<u>Men</u>	<u>Women</u>
Brescia	-	4	-	5
C. K. C.	1	-	5	-
Huron	5	5	3	3
Middlesex	21	33	25	22
St. Peter's	3	-	3	-
University	65	35	80	55
Business	6	-	5	-
Engineering	22	-	23	-
Law	13	-	11	-
Medicine	<u>21</u>	<u>6</u>	<u>21</u>	<u>6</u>
TOTALS	<u>157</u>	<u>83</u>	<u>176</u>	<u>91</u>

APPENDIX E
PUBLICATIONS OF THE FACULTY
AND GRADUATE STUDENTS

PUBLICATIONS OF THE FACULTY
AND GRADUATE STUDENTS

UNIVERSITY COLLEGE OF ARTS AND SCIENCE

Department of Botany

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Department of Chemistry

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APPENDIX F

SCHEDULE OF RESEARCH FUNDS

FOR THE YEAR ENDED JUNE 30, 1965

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SCHEDULE OF RESEARCH FUNDS
FOR THE YEAR ENDED JUNE 30, 1965

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
Ass'n for Aid of Crippled Children	Carol Buck	Relation between prenatal and natal complications and the occurrence of neuro-psychiatric disorders in childhood
J. P. Bickell Fdn.	C. W. Gowdey	Central effects of clinically-used muscle relaxants
Ontario Junior Red Cross	R. J. Rossiter	Research professorship in biochemistry relating to mental retardation
Cancer Research Fund	O. H. Warwick	Cancer research
Dr. J. B. Collip Trust Fund	J. B. Collip	Medical research
Canada Duphar Ltd.	C. W. Gowdey	Studies in blood clotting
Jane Coffin Childs Memorial Fund	K. Hoshino	Cancer research
Canada Council	R. I. Duncan	Special fellowship
Ont. Cancer Treatment and Research Foundation	K. K. Carroll	Tumors influenced by variation in their steroid hormonal environment

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Ont. Cancer Treatment and Research Foundation	Carol Buck	Study of the role of psychological factors in the course and prognosis of human cancer
Ont. Cancer Treatment and Research Foundation	E. R. Plunkett	Investigation of the endocrine aspects of cancer in humans
Can. Arthritis and Rheumatism Society	C. W. Gowdey	Anti-inflammatory activity of a series of glyceryl ethers
National Cancer Inst.	R. C. Buck	The ultra structure of tumour cells
National Cancer Inst.	R. J. Rossiter	Cancer research
National Cancer Inst.	A. C. Wallace	Cancer research
National Cancer Inst.	V. Donish	Fellowship
National Cancer Inst.	Y. S. Brownstone	Cancer research
National Cancer Inst.	K. K. Carrol	Cancer research
National Cancer Inst.	H. B. Stewart	Cancer research
National Cancer Inst.	C. H. Cormack	Fellowship
National Cancer Inst.	H. B. Stewart	For the purchase of equipment
National Cancer Inst.	A. C. Wallace	For the purchase of equipment
National Cancer Inst.	A. C. Wallace	Cancer research
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

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Defence Research Board	J. A. F. Stevenson	Metabolic reactions to dietary temperature and traumatic stresses
Defence Research Board	I. G. Walker	Sulphydryl compounds and protection against radio-mimetic alkylating agents
Sarah Duncan Estate	G. W. Manning	Cardiovascular research
Medical Research Council	R. G. E. Murray	Equipment grant
Medical Research Council	R. C. Buck	Equipment grant
Medical Research Council	R. G. E. Murray	Equipment grant
Medical Research Council	J. R. Beaton	Equipment grant
Medical Research Council	K. P. Strickland	Equipment grant
Medical Research Council	R. G. E. Murray	Equipment grant
R. W. Frost, Esq.	G. E. Hall	Medical research
Medical Research Council	O. H. Warwick	Medical research fellowship
Anna Fuller Fund	K. Hoshino	Cancer research
Medical Research Council	P. C. Fitz-James	Medical research associateship
Medical Research Council	K. P. Strickland	Medical research associateship
Medical Research Council	J. R. Beaton	Medical research associateship

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Medical Research Council	K. K. Carroll	Medical research associateship
Geigy (Canada) Ltd.	G. W. Manning	Cardiovascular research
Department of Health and Welfare	G. E. Hobbs	Educational grant
Department of Health and Welfare	J. A. F. Stevenson	Investigation of perinatal physiology and mortality
Department of Health and Welfare	J. A. F. Stevenson	Fat mobilizing substance at different ages
Department of Health and Welfare	R. A. H. Kinch	Perinatal mortality study
Department of Health and Welfare	G. E. Hobbs	Post graduate training in psychiatry
Department of Health and Welfare	J. C. Rathbun	Fluorescent antibody technique
Department of Health and Welfare	N. M. Lefcoe	Bronchial diseases
Department of Health and Welfare	I. B. R. Duncan	Biological properties of ECHO type 30 virus
Department of Health and Welfare	J. C. Rathbun	Fluorescent antibody technique
Department of Health and Welfare	R. A. H. Kinch	Study of the unwed mother
Department of Health and Welfare	A. Bakerspiegel	Mycotic infections
Department of Health and Welfare	G. W. Manning	Clinical cardiovascular studies
Ontario Heart Fdn.	G. W. Manning	Cardiovascular research
Ontario Heart Fdn.	L. Reese and S. E. Carroll	Cardiovascular research

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
National Health Grant	L. Reese	Equipment grant
Ontario Heart Fdn.	G. A. Sears	Cardiovascular research
Ontario Heart Fdn.	F. S. Brien	Medical research fellowships
Ontario Heart Fdn.	K. K. Carroll	Medical research
Ontario Heart Fdn.	A. C. Burton	Medical research
Ontario Heart Fdn.	G. W. Manning	Cardiovascular research
Ontario Heart Fdn.	G. W. Manning	Medical research associate-ships
Ontario Heart Fdn.	J. C. Coles	Cardiovascular research
Ontario Heart Fdn.	A. H. Neufeld	Medical research
Ontario Heart Fdn.	S. E. Carroll	Medical research
Ontario Heart Fdn.	G. W. Manning	Clinical cardiovascular studies
J. W. Horner Ltd.	C. W. Gowdey	A study of Troxonium Tosylate
Mrs. W. F. Herman and Mr. W. L. Clarke	O. H. Warwick	Medical research fellowship
Joseph P. Kennedy Jr. Foundation	M. L. Barr	Mental retardation
Lady Jean Lister Kay	F. S. Brien	Medical research
Can. Life Ins. Officers Assn.	J. C. Rathbun	Fellowship, Dr. L. L. de Veber
Life Insurance Medi- cal Research Fund	A. C. Burton	The biophysics of blood cells
Labatt Duphar Ltd.	C. W. Gowdey	Studies on monoaminoxidase inhibiting compounds
American Cyanamid Co.	O. H. Warwick	Lederle Medical Student research fellowship

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
F. K. Morrow Fdn.	G. E. Hobbs	The relation of population changes to health and disease
Sundry donors	G. W. Manning	Dept. of Medicine cardio-vascular research
J. McClary Memorial Fund	G. E. Hobbs	Research in industrial medicine
Mead Johnson of Canada Ltd.	H. H. Allen	Obstetrical research fund
Estate of the late Elizabeth Moore	O. H. Warwick	Cardiovascular research
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 Assn. of Canada	K. P. Strickland	Morphological and chemical changes in myasthenia gravis and myasthenia-like conditions
The Muscular Dystrophy Assn. of Canada	J. J. Seguin	Fellowship for research
The Muscular Dystrophy Assn. of Canada	J. J. Seguin	Studies of the excitability and contractibility of the decentralized neuromuscular system
Multiple Sclerosis Society of Canada	R. J. Rossiter	Metabolism of myelin
Wm. S. Merrill Co.	C. W. Gowdey	The investigation of a new compound for suppression of lactation
Wm. S. Merrill Co.	R. A. H. Kinch	The investigation of a new compound for suppression of lactation

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Dr. A. D. McLachlin	A. M. Lansing	Fellowship re research
Dr. A. D. McLachlin	J. Sweeney	Fellowship re research
Dr. A. D. McLachlin	T. D. McClarty	Fellowship re research
Dr. A. D. McLachlin	L. Amacher	Fellowship
Ontario Mental Health Foundation	C. W. Gowdey	Effects of an animal behaviour of blood from schizophrenic patients
Ontario Mental Health Foundation	W. C. McMurray	Investigation of citrullinuria
Ontario Mental Health Foundation	G. E. Hobbs	A prospective study of the factors influencing the outcome of schizophrenia
Ontario Mental Health Foundation	G. H. Valentine and Carol Buck	A study of microsymptoms and of chromosomal patterns in parents of sibs of mongols
Ontario Mental Health Foundation	C. W. Gowdey	Factors influencing the consumption of drugs which depress the central nervous system
Medical Research Council	O. H. Warwick	For the support of medical research
Medical Research Council	O. H. Warwick	Summer scholarships
Medical Research Council	A. von Hochstetter	Connective tissue, its functional structure and changes due to age
Medical Research Council	R. M. MacFarlane	The blood supply of pedicle flaps
Medical Research Council	P. C. Fitz-James	Macromolecular synthesis in bacillus species

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Medical Research Council	E. R. Plunkett	Investigation of pituitary-ovarian failure in humans
Medical Research Council	H. B. Stewart	Cytological organization and metabolism of yeast
Medical Research Council	H. A. L. Skinner	Anatomy and radiology of the spinal cord
Medical Research Council	K. P. Strickland	The biosynthesis of phospholipids
Medical Research Council	R. G. E. Murray	Study of listeria monocytogenes
Medical Research Council	J. B. Collip	For bacteriological research
Medical Research Council	G. W. Stravraky	Response of partially isolated structure to chemical reflex and electric stimulation
Medical Research Council	A. C. Burton	Energetics of vascular smooth muscle
Medical Research Council	G. J. Mogenson	Psychophysiological studies of motivation and learning
Medical Research Council	A. H. Neufeld	Metabolic changes in disease with emphasis on proteins
Medical Research Council	R. G. E. Murray	General and cytological studies of bacteria, fungi and related matter
Medical Research Council	D. G. Montemurro	A study of the structure and neuro endocrine importance of pituicytes
Medical Research Council	M. L. Barr	Studies in human genetics
Medical Research Council	M. L. Barr	Cytogenetics and sex anomalies

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Medical Research Council	J. B. Collip	Consolidated grant for medical research
Medical Research Council	R. J. Rossiter	Biochemistry of the nervous system
Medical Research Council	R. C. Buck	Electron microscopy of cell division
Medical Research Council	A. G. Ramsay	The influence of parathyroid hormone and respiratory alkalosis on ionic excretion
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	D. C. Bondy	Gastrointestinal studies
Medical Research Council	C. W. Gowdey	Studies with alphaglyceryl ethers
Medical Research Council	W. C. McMurray	Biochemical investigations of the developing nervous system
Medical Research Council	W. E. Spoerel	The effect of anaesthesia and resuscitation on cerebral ischemia in the rabbit
Medical Research Council	J. R. Beaton	Metabolic and endocrine regulation of bacterial lipids
Medical Research Council	K. K. Carroll	Analysis and metabolism of bacterial lipids
Medical Research Council	E. W. K. F. Donish	The structure of the inter-vertebral disc L4-L5 in the newborn

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Medical Research Council	J. J. Seguin	The role of the proprioceptor mechanism in shivering
Medical Research Council	K. P. Strickland	Symposium on bioenergetics
Medical Research Council	R. J. Rossiter	Expenditures of visiting scientist
Medical Research Council	C. W. Gowdey	Alkoxyglycerols and haematoposis
Medical Research Council	D. H. Carr	Chromosome anomalies and their relation to development
National Research Council	C. C. Bigelow	The physical chemistry of proteins
Medical Research Council	M. L. Barr	Studies in human genetics
Sundry Donors	J. A. F. Stevenson	Miscellaneous research in physiology
Ortho Pharmaceuti- cal Ltd.	E. R. Plunkett	Research in the field of in- fertility and gynaecological endocrinology
Ortho Pharmaceuti- cal Ltd.	R. A. H. Kinch	Ortho Projestin study
Ortho Pharmaceuti- cal Ltd.	R. A. H. Kinch	To investigate the possible hypertensive effect of progestational steroids
Richard Ivey Foundation	C. G. Drake	Hyperbaric unit
Ortho Pharmaceuti- cal Ltd.	C. W. Gowdey	Summer medical student fellowship
Richard Ivey Foundation	F. J. Rounthwaite	Hearing testing equipment

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
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
The Tippett Foundation	D. Bocking	Foreign medical aid
Upjohn Co. of Canada	R. A. H. Kinch	Obstetrical research
John Wyeth & Bro. (Canada) Ltd.	O. H. Warwick	Medical research special
The Henry Wolf Memorial Fund	G. W. Manning	Cardiovascular research
FACULTY OF ARTS AND SCIENCES		
American Chemical Society	P. de Mayo	Chemical research
Dept. of Agriculture Canada	A. W. A. Brown	Genetics of insecticide resistance in the onion maggot
American Chemical Society	J. B. Stothers	Organic application of nuclear magnetic resonance spectroscopy
American Chemical Society	J. F. King	Sulphenes and Oxythiones
J. P. Bickell Fdn.	C. G. Winder	Equipment grant
J. P. Bickell Fdn.	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

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Canada Packers Ltd.	P. de Mayo	Chemical research
Imperial Oil Ltd.	F. L. M. Pattison	Chemical research
Imperial Oil Ltd.	P. de Mayo	Chemical research
Canada Council	H. C. Palmer	Special fellowship
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 <u>Aedes Aegypti</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 U. H. F. radio transmission
Defence Research Board	G. F. Lyon	Ionospheric studies using satellites
Defence Research Board	J. W. Lorimer	The chemistry of water repellent 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
Dow Chemical of Canada Ltd.	F. L. M. Pattison	Chemical research

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Dow Chemical of Canada Ltd.	J. B. Stothers	Fellowship expense
Dupont of Canada Ltd.	F. L. M. Pattison	Chemical research
Northern Electric Co. Ltd.	D. R. Hay	Study of microwave radar angels through elevated instrument soundings
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	C. J. Hickman	Equipment grant
National Research Council	R. W. Nicholls	Equipment grant
National Research Council	N. R. Kunchur	Equipment grant
National Research Council	R. K. C. Chan	Equipment grant
National Research Council	A. D. Edgar	Equipment grant
National Research Council	F. L. M. Pattison	Equipment grant
National Research Council	W. H. Wehlau	Equipment grant
Ontario Fuel Board	J. F. Hart	Studies of the use of information processing methods in the search for oil and gas in Ontario
Dept. of National Health & Welfare	M. S. Yuhasz	The telemetered heart rate during interval training in Ontario.

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Dept. of National Health & Welfare	F. Hayden and M. S. Yuhasz	Development of physical performance test norms for Canadian boys and girls
Dept. of National Health & Welfare	M. S. Yuhasz	The energy expenditure of drownproofing
Dept. of National Health & Welfare	M. S. Yuhasz and P. A. Rechnitzer	Effects of a 20-week exercise programme on post infarct and clinically healthy males
National Research Council	R. W. Nicholls	Expenses re Dr. D. C. Tyte's fellowship
National Research Council	P. de Mayo	Expenses re Dr. Hikino's fellowship
National Research Council	G. H. Reavely	Expenses re Dr. T. N. Clifford'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
Dept. of Mines and Technical Surveys	R. W. Packer	Repose slopes of pleistocene material in Southwestern Ontario
Dept. of Mines and Technical Surveys	C. G. Winder	Microfauna of Kettle Point and Port Lambton Shales, Ontario
Dept. of Mines and Technical Surveys	R. J. Uffen and R. Mereu	Dynamic high pressure studies of rocks
Dept. of Mines and Technical Surveys	A. E. Beck	Re seismic observatory

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Dept. of Mines and Technical Surveys	A. Dreimanis	Stratigraphic correlations of glacial deposits between Lake Huron and the St. Lawrence Lowlands
Dept. of Mines and Technical Surveys	W. R. Church	Geological research
Dept. of Mines and Technical Surveys	A. E. Beck	Determination of underground water flows, Coronation Mine, Manitoba
Dept. of Mines and Technical Surveys	A. Dreimanis	Buried soil in Banff National Park
Dept. of Mines and Technical Surveys	A. Dreimanis	Provenance of diamonds in Glacial Drift, Great Lakes region
Dept. of Mines and Technical Surveys	A. C. Lenz	Upper silurian and lower devonian faunas of Royal Creek, Northern Yukon
Consumer's Gas Company	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 Association	J. F. Hart	Oil and Gas Industry of Ontario Research
Hudson's Bay Oil and Gas Company	G. H. Reavely	For purchase of equipment of journals
Dept. of Highways	R. McDaniel	Patterns of travel to resorts in Southern Ontario
Thomas S. Knight	C. D. MacInnes	Study of Canada geese in the Arctic

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
John Labatt Ltd.	C. J. Hickman	Botany Research Fund
London TV Cable Service	D. R. Hay	Antenna study
The Eli Lilly Co.	P. de Mayo	Research on natural products
Dept. of Labour	S. G. Peitchinis	The impact of the changing structures of the labour force on labour's share of the national income
Dept. of Labour	W. E. Mann	An investigation of the drop-out ratio from the Federal Government's Retaining Programme for Unemployed Workers
Mobiloil of Canada Limited	R. J. Uffen	Geophysical research
Dept. of Transport Canada	D. R. Hay	Micrometeorology of the outer layer of frictional influence
Ontario Mental Health Foundation	W. J. McClelland	Infantile emotionability and later behaviour: a study of learned fear
Ontario Mental Health Foundation	R. M. Knights	The effects of cerebral lesions in children on psychological test performance
Ontario Mental Health Foundation	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 on NMR spectroscopy
National Research Council	J. F. King	Reductions and rearrangements

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
National Research Council	D. M. Graham	Photochemical studies involving olefin
National Research Council	T. K. R. Bourns	Host-parasite relationships of Trematodes in Ontario
National Research Council	P. de Mayo	Studies in synthesis of natural products
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
National Research Council	W. H. Wehlau	Photometric and spectroscopic studies of peculiar A stars
National Research Council	N. R. Kunchur	Crystallographic studies of coordination compounds of mercury, cobalt, copper and derivatives of thiourea
National Research Council	A. J. Sukava	Study of cathode overpotential and the effects of surface active additions during electrodeposition of copper
National Research Council	C. J. Hickman	Biological and taxonomic studies of fungi, especially of plant pathogens
National Research Council	D. M. Scott	Reproduction cycle of female cowbirds
National Research Council	F. L. M. Pattison	Pharmacologically-active fluorine compounds
National Research Council	C. J. Hickman	Expenses of Dr. Brandham's fellowship

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
National Research Council	J. F. Hart	Least maximum approximation in more than one variable
National Research Council	D. D. 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
National Research Council	J. F. Hart	Computing facilities
National Research Council	W. E. McKeen	Electron microscopy and plant disease investigations
National Research Council	D. R. Hay	Eddy diffusion above outdoor surfaces
National Research Council	E. J. Barbeau	Investigation of certain closed subsemi Algebras of a real Bonach algebra
National Research Council	R. K. C. Chan	Physico-chemical effects of pressure
National Research Council	A. W. A. Brown	Resistance of insects to organo-phosphorous insecticides
National Research Council	E. Brannen	Submillimeter physics research with a racetrack microtron

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
National Research Council	J. H. Blackwell	Hydrodynamic and hydro-magnetic 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	A study of the male Gametophyte of <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 high temperature equilibris
National Research Council	J. W. Lorimer	Transport processes in ion-selective membranes
National Research Council	P. A. Forsyth	Radio physics of the high atmosphere
National Research Council	C. N. Lee	Topology of Banach Manifolds
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 structure
National Research Council	W. W. Judd	Comparative morphology of internal and anatomy of Muscoid Diptera

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
National Research Council	M. H. A. Keenleyside	The reproduction 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 nitrogen on fungi
National Research Council	H. O. Lobb	Effects of duration of non-rewarded goal confinement of behaviour
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	N. Naylor	Fourth order eigenvalue problems
National Research Council	T. W. W. Stewart	Investigation of the physical basis of pitch perception
National Research Council	C. G. Winder	Carbonate elasticity, dolomitization and insoluble residues of Middle Ardivician limestones
National Research Council	C. M. Carmichael	Rock magnetism
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

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
National Research Council	J. B. Phipps	Evolution of genera in Arundinelleae
National Research Council	R. H. Stinson	Effects of acclimation in studies of temperature selection
National Research Council	J. D. Talman	Energy levels of the rotational band of NE. 20
National Research Council	R. J. Uffen	Geophysical investigations
National Research Council	T. J. Ulrych	Strontium and lead isotope variations and rubidium-strontium geochronology
National Research Council	A. E. Edgar	Hydrothermal investigations in melilites and related undersaturated minerals
National Research Council	P. B. Gavers	The biology of weeds
National Research Council	R. C. Kidd	Nature of the metal-ligand bond in co-ordination complexes of transition metals
National Research Council	K. A. Innanen	Polynomial force functions in the plane of non-homogeneous spheroids
National Research Council	G. F. Lyons	A comparison of nightglow line intensities with the absorption of cosmic radio noise
National Research Council	R. W. Nicholls	A rocket nose-cone vacuum spectrograph
National Research Council	W. J. E. Meath	New types of intermolecular and intramolecular forces
National Research Council	A. E. Beck	Improvements in geophysical instrumentation and data reduction

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
National Research Council	M. E. L. Fleet	Investigation into the use of boron as a palaeosalinity indicator and the possible development of other geochemical environmental indicators
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 on the effects of emasculation and the applications of growth substance on flower growth
National Research Council	G. R. Hebert	Laboratory astrophysics and molecular excitation in particular intensity measurement in the visible and U. V. regions
National Research Council	D. R. Moorcroft	The nature of radio-auroral ionization
National Research Council	G. S. Rose	Laboratory simulation of solar wind-geomagnetic field interaction
National Research Council	D. E. Smylie	Thermal connection in a central force field
National Research Council	S. Takasu	A unified study of machines and algorithms and study of numerical algorithms
National Research Council	H. van der Laan	The theory of non-thermal radio sources
National Research Council	D. G. Wilson	Physiological studies on organic acids cellulose degradation and slime mold nutrition
National Research Council	C. G. Winder	Carbon clasticity, dolomitization and insoluble residues of Middle Ardovician limestones

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
National Research Council	M. M. Ali	Robust estimation of parameters of a contaminated distribution
National Research Council	J. E. Steele	Metabolic and developmental regulatory mechanisms in insects
Sundry Donors	E. H. Tull	Solid state physics research
Dept. of Psychology Research Fund	Mary J. Wright	Research in psychology
Paint Research Institute	D. C. Bradley	Studies in the metal alkoxides and related fields
Public Health Services	P. de Mayo	The structure of Griseoviridin
Public Health Services	A. W. A. Brown	Mosquito resistance to insecticides and chemosterilants
Public Health Services	P. de Mayo	Metabolites of <i>N. Sativum</i>
Ontario Research Foundation	G. G. Suffel	Nature and origin of certain sedimentary banded iron formations of Ontario
Ontario Research Foundation	R. K. C. Chan	Dielectric properties of compounds exhibiting molecular rotations in the solid state
Ontario Research Foundation	H. I. Battle	Comparative cytological and histological effects of the lampricide
Ontario Research Foundation	D. G. Wilson	An investigation of the organic acids in succulent plants
Ontario Research Foundation	D. A. McLarty	Studies on the growth and control of species of <i>Cladophora</i> under laboratory conditions

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Ontario Research Foundation	H. W. Baldwin	A study of the oxide formation on metal surfaces
Ontario Research Foundation	E. Brannen	Electron beam characteristics of racetrack microtron
Ontario Research Foundation	D. M. Graham	Autoxidation studies
Ontario Research Foundation	W. C. Howell	The chemistry of certain α , β - unsaturated ketones
Ontario Research Foundation	D. M. Scott	Biology of the cardinal
Ontario Research Foundation	F. S. Cook	A study of extension and cambial growth in deciduous tree species
Ontario Research Foundation	R. W. Nicholls	An identification atlas of molecular spectra
Ontario Research Foundation	J. F. King	Dipolar cyclic intermediates
Ontario Research Foundation	C. J. Willis	Studies on the decomposition and possible use of alkyl-perfluoralkyl tin compounds
Ontario Research Foundation	W. H. Wehlau	A study of very low dispersion objective prism spectra and associated photometry
Ontario Research Foundation	J. B. Stothers	NMR studies of the dependence of vicinal coupling constants on molecular geometry
Ontario Research Foundation	A. Dreimanis	Relationship of lithologic and granulometric composition of till to bedrock and older pleistocene sediments which have been traversed by glacier

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Ontario Research Foundation	G. H. Reavely	Carbon dioxide, etc. measurements in Lake Erie
Ontario Research Foundation	T. K. R. Bourns	Studies on host parasite relations
Ontario Research Foundation	D. B. McMillan	A histochemical study of developmental stages of the plasmacyte
Ontario Research Foundation	R. H. Stinson	The effect of humidity upon the activity of small mammals
Ontario Research Foundation	J. F. Hart	A study of real-time strategy models with applications in business engineering and government
Ontario Research Foundation	D. R. Bidinosti	The determination of metal to metal bond energies in manganese and rhenium carbonyls
Ontario Research Foundation	W. R. Church	Stratigraphy, structure and sedimentology of the proterozoic rocks northeast of Manitoulin Island
Ontario Research Foundation	A. D. Edgar	High temperature phase relations in the system $\text{NaAlSi}_3\text{O}_8$ etc.
Ontario Research Foundation	M. H. A. Keenleyside	Comparison of habitat of brook trout and juvenile Atlantic Salmon
Ontario Research Foundation	H. C. Clark	Organic derivatives of nickel
Ontario Research Foundation	J. F. Hart	Trend surface analysis of the paleozoic geology of South-western Ontario
Ontario Research Foundation	D. R. Miller	Research on convection cells in fluids

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Ontario Research Foundation	J. E. Steele	Studies on insect blood proteins
Research Corporation	D. C. Bradley	Research in inorganic chemistry
Research Corporation	J. F. King	The mechanism of reductive elimination
Resources for the Future Inc.	R. J. Wonnacott	The effect of free trade on the structure of industry in Canada and the U. S.
Stauffer Chemical Company	D. C. Bradley	Research in chemistry
National Aeronautics and Space Administration	R. W. Nicholls	Theoretical and experimental studies in astrophysics
Schering Corporation Limited	P. de Mayo	Research in chemistry
Alfred P. Sloan Foundation	E. W. Warnhoff	Research fellowship 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 re-arrangement of heterosystems
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 bonded to sulfur, selenium or tellurium

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
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	P. de Mayo	Photochemical production of strained rings
U. S. Air Force Office of Scientific Research	D. C. Bradley	Research on organometallic compounds and polymers based on metal nitrogen bond systems
U. W. 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 atmos- phere at high relative humidi- ties and temperatures
U. S. Army Research	P. de Mayo	The Photochemistry of unsatur- ated systems containing hetero atoms other than oxygen
U. S. Air Force Office of Scientific Research	E. Brannen	Millimeter and submillimeter electromagnetic radiation
U. S. Air Force Office of Scientific Research	R. W. Nicholls	Studies of processes of excita- tion and radiation from atoms and molecules of the upper atmosphere
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 and polymers based on metal nitrogen bond systems

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
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
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.
National Research Council		Consolidated Advance Account
The University of Western Ontario	D. Borwein	Strongly summable series
The University of Western Ontario	R. N. Bronaugh	Research in ethics
The University of Western Ontario	A. B. Conron	Research in Canadian novelists
The University of Western Ontario	S. G. French	Research into French-Canadian philosophy
The University of Western Ontario	F. Cook	A study of pollen physiology
The University of Western Ontario	D. G. Wilson	Growth of slime molds
The University of Western Ontario	G. Tracey	Survey of German literature
The University of Western Ontario	R. Hutchinson	Sulphide mineralization
The University of Western Ontario	R. Cole	Differential equations
The University of Western Ontario	D. M. Scott	Ecology of passerine birds

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
The University of Western Ontario	H. Berry	The physical arrangements of Elizabethan stages
The University of Western Ontario	W. Balderston	Eighteenth Century science
The University of Western Ontario	A. H. Johnson	Experimental realism
The University of Western Ontario	J. Talman	Quantum mechanics
The University of Western Ontario	H. K. Kalbfleisch	History of the German newspapers
The University of Western Ontario	J. B. Sanders	The influence of La Blance Reine upon Pierre de Ronsard
The University of Western Ontario	J. Bruce	Research in ethics
The University of Western Ontario	W. D. Walsh	Pennsylvania iron industry 1850-70
The University of Western Ontario	J. H. Blackwell	The Mathatron
The University of Western Ontario	H. B. Timothy	A study of the works of John Galt
The University of Western Ontario	P. Fleck	A study of Shelley and Mary Shelley's Frankenstein
The University of Western Ontario	G. R. Magee	Thesis consultation travel
The University of Western Ontario	D. B. Walden	Coin cytogenetics and pollen investigations
The University of Western Ontario	R. A. Johnston	Floating discount rate in Canada
The University of Western Ontario	J. J. Madden	Canadian banks and the financing of North American investments 1853-85

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
The University of Western Ontario	W. D. Walsh	The impact of new techniques on the Pennsylvania iron industry 1850-70
The University of Western Ontario	W. E. Mann	Marginality among London chiropractors and its impact on occupational behaviour
The University of Western Ontario	G. L. Reuber	Balance of payments
The University of Western Ontario	S. B. Gupta	The incidence of the corporation income tax
The University of Western Ontario	D. E. Pond	Effect of changes in ceiling rates on deposits of commercial banks
The University of Western Ontario	M. L. Burstein	Topics in the theory and practice of central banks as lenders of last resort
The University of Western Ontario	R. W. Osborne	Socio-economic status and the health of older people
The University of Western Ontario	L. Parai	International migration and economic development in Canada during the post-war year
The University of Western Ontario	F. Roseman	The Canadian brewing industry
The University of Western Ontario	R. J. Wonnacott	Economic effects of Canadian/U. S. free trade
The University of Western Ontario	R. Emerson	Research on The Enlightenment
The University of Western Ontario	I. A. Steele	The British Board of Trade and the British Treasury in the 17th and 18th centuries

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
The University of Western Ontario	T. J. Ulrych	Collection of lead specimens for radioactive age determinations
The University of Western Ontario	G. R. Magee	Mathematics Department Special
The University of Western Ontario	L. M. Heller	The regle des partis in Pascal's Pensees
The University of Western Ontario	H. B. Timothy	To publish the collected poems of John Galt
The University of Western Ontario	J. A. Fulford	Radar exploration of the earth's solar atmosphere (corona) and those of planets
The University of Western Ontario	A. U. Paivio	Physiological reactions of cardiac patients undertaking therapeutic exercises
The University of Western Ontario	A. U. Paivio	Publications on child development
The University of Western Ontario	J. W. Davies	Berkeley's design
The University of Western Ontario	A. U. Paivio	Programme development
The University of Western Ontario	H. O. Lobb	Effects of duration of non-rewarded goal confinement on behaviour
The University of Western Ontario	C. Dean	Chaucer's syntax
The University of Western Ontario	J. Havelka	Inquiry into the psychology of the creative process
The University of Western Ontario	R. C. Gardner	Ability correlates of written language style

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
The University of Western Ontario	G. Rans	Theory and practice of romantic adventure fiction
The University of Western Ontario	C. F. Whebell	The population geography of Southern Ontario
The University of Western Ontario	H. B. Mayo	The study of the relationship between philosophy and politics
The University of Western Ontario	J. K. Walker	Transient and long-term changes in rate with shifts in reinforcement schedule
The University of Western Ontario	R. G. Bates	A study of James Joyce's compositional methods
The University of Western Ontario	F. K. Harper	Lamartine
The University of Western Ontario	M. M. Schnore	The effect of repetition on short term memory
The University of Western Ontario	R. E. Butts	Necessity and induction: an essay on William Whewell's philosophy of science
The University of Western Ontario	A. Roth	A study of the source of Erckmann Chatrians Contes Fantastiques
The University of Western Ontario	V. W. Sim	Determination and examination of differential soil movement under snow covering
The University of Western Ontario	C. F. Klinck	Norton project
The University of Western Ontario	D. N. Jackson	Psychology research
The University of Western Ontario	D. G. G. Kerr	Keypunch research project

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
The University of Western Ontario	R. M. Knights	The effects of cerebral lesion on children's psychological test performance
The University of Western Ontario	Neil Hultin	Research and preparation of two articles on William Cobbett's Concept of the English Language
The University of Western Ontario	G. Rans	Research in connection with book on James Fennimore Cooper
The University of Western Ontario	Peter Angeles	Essays in the Philosophy of Religion
The University of Western Ontario	R. J. Ryan	Motivation in children
The University of Western Ontario	P. V. Lyon	Canada in world affairs
The University of Western Ontario	D. N. Jackson	Development of computer programmes and measures of personality
The University of Western Ontario	H. O. Lobb	Tactual form perception in humans
The University of Western Ontario	C. A. Ruud	Slavic studies
Province of Ontario	W. Jury	Archeological research
Province of Ontario, Department of Tourism & Information	W. Jury	Ste. Marie I Project

SCHOOL OF BUSINESS ADMINISTRATION

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Bell Telephone Co. of Canada	W. A. Thompson	Business research
Ontario Economic Council	J. R. Nininger	Employment patterns survey at the Lakehead
Ontario Economic Council	J. R. Nininger	Training of the unemployed in Ontario
Maubank Associates Ltd.	J. J. Wettlaufer	Food distribution research
The Ford Foundation	J. J. Wettlaufer	Business research
Sundry Donors	J. J. Wettlaufer	Business research
Sundry Donors	J. J. Wettlaufer	Business research
Sundry Donors	J. J. Wettlaufer	Business research

SCHOOL OF NURSING

W. K. Kellogg Fdn.	R. C. Aikin	To support the development in Nursing Service Administration
School of Nursing Council	R. C. Aikin	School of Nursing research fund

FACULTY OF ENGINEERING SCIENCE

J. P. Bickell Fdn.	R. M. Dillon	Engineering education
Dow Chemical of Canada Limited	M. M. Young	Fellowship, K. W. Chan
The University of Western Ontario	R. M. Dillon	Special Research Fund
The University of Western Ontario	J. E. K. Foreman	Combustion spectroscopy

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
The University of Western Ontario	E. S. Nowak	Physical properties of steam
The University of Western Ontario	J. L. Kearns	Heat transfer studies
The University of Western Ontario	M. M. Young	Chemical engineering
The University of Western Ontario	A. J. Olson	Dynamic buckling in beams
The University of Western Ontario	A. G. Davenport	The investigation of snow drift formation on structures of various shapes
The University of Western Ontario	W. J. Gardiner	Computer programmes for structural frames
The University of Western Ontario	G. S. Emmerson	Liedenfrost effect
The University of Western Ontario	E. S. Nowak	Experimental study of turbulent velocity profiles over a heated flat plate
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
Ford Motor Co.	A. J. Hantman	Postdoctoral fellowship
Department of Mines and Technical Surveys	J. L. Kearns	Research in mineral processing
H. Q. Golder and Associates	R. M. Quigley	Clay minerology soils from three slope failures in British Columbia

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Ontario Department of Health	J. L. Kearns	Air pollution control
Estate of the late Edna E. Jeffery	R. M. Dillon	Engineering Science research
John Labatt Ltd.	M. M. Young	Enzyme extraction techniques
National Research Council	A. G. Davenport	Studies directed towards the design of structures against wind and earthquakes
National Research Council	K. A. Upton	An experimental study of the fundamental behaviour of high tensile friction grip bolted joints
National Research Council	L. S. Lauchland	Multi-input control device
National Research Council	W. Bulani	A study of electrochemical cells and systems
National Research Council	L. G. Soderman	Influence of sample type and size on the consolidated characteristics determined from laboratory testing 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 glacial clay deposits

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
National Research Council	M. M. Young	Interfacial and rheological phenomena in disperse systems
National Research Council	J. L. Kearns	Electrostatic effects in fluidized beds
National Research Council	J. E. K. Foreman	Fluid dynamic model studies of blood flow and artery dilation
National Research Council	K. A. Shelstrad	Catalytic Amm-oxidation of hydrocarbon
National Research Council	N. J. Gardner	Experimental and theoretical investigation of concrete filled tubes as columns
National Research Council	I. I. Inculet	Static electricity within idealized aggregates of solids
National Research Council	R. K. Swartmen	Solid energy for absorption refrigeration
Medical Research Council	J. E. K. Foreman	Fluid dynamic model studies of blood flow and artery dilation
Atlas Steels Ltd.	R. M. Dillon	Physical metallurgy research fund
Assn. Professional Engineers of Ontario, London Chapter	R. M. Dillon	Engineering science research
Anonymous	R. M. Dillon	Research for Engineering Science
John Labatt Ltd.	R. M. Dillon	Engineering Science research
Ontario Research Foundation	E. S. Nowak	Analysis of turbulent velocity and temperature profiles in liquids and gases at subcritical and supercritical pressures

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Ontario Research Foundation	J. E. K. Foreman	Fluid dynamic studies of blood flow and artery dilation
Ontario Research Foundation	M. M. Young	Drop and bubble phenomena

MISCELLANEOUS

Allied Chemical Corpn.	E. Y. Spencer	The action of vinyl phosphor-thionates in selective toxicity
National Research Council	G. E. Hall	Scientific Research Special

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, 1964 was 178,238, larger by 12.5% than the preceding year's comparable figure of 158,388, according to an advance release of figures that will be contained in the DBS report "Survey of Higher Education -- Part I: Fall Enrollment in Universities and Colleges", for 1963-64 and 1964-65.

Full-time graduate enrollment increased about twice as much (23.9%) from 1963-64 to 1964-65 as did undergraduate enrollment (11.7%). The increase in enrollment of women (18.4%) was higher than that for men (10.2%).

By province, enrollment increases from 1963-64 to 1964-65 ranged from a low of 4.2% for Manitoba (due to the University of Manitoba raising its minimum entrance requirement from junior to senior matriculation for 1964-65) to 24.2% for Saskatchewan. The large Saskatchewan increase was mainly accounted for by the absorption of all teacher-training in the province by the University of Saskatchewan in 1964-65.

By including full-time enrollment at all affiliated institutions in 1964-65, the Université de Montréal was largest with 25,534 university-grade students, followed by the University of Toronto (16,387), the University of British Columbia (15,217), Université Laval (14,873), the University of Alberta (12,664), and McGill University (10,808).

The following table gives summary data by province for the two years.

Full-time University-grade Enrollment at Canadian Universities
and Colleges, 1963-64 and 1964-65

	Undergraduate		Graduate		Total	
	Total	Women	Total	Women	Total	Women
1963-64:						
Newfoundland	2,197	730	47	10	2,244	740
Prince Edward Island	738	198	--	--	738	198
Nova Scotia	7,453	2,196	269	38	7,722	2,234
New Brunswick	4,954	1,256	199 ¹	13	5,153	1,269
Quebec	49,737	13,256	3,868 ¹	694	53,605	13,950
Ontario	39,990	11,652	4,201	665	44,191	12,317
Manitoba	8,238	2,479	564	82	8,802	2,561
Saskatchewan	7,496	2,312	315	30	7,811	2,342
Alberta	10,254	3,554	825	118	11,079	3,672
British Columbia	16,198	5,331	845	149	17,043	5,480
CANADA	147,255	42,964	11,133	1,799	158,388	44,763
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 ¹	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

¹ 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.