

THE UNIVERSITY OF WESTERN ONTARIO



**Report of the President
Academic Year 1962-1963**

LONDON, CANADA

REPORT OF THE PRESIDENT

AND VICE-CHANCELLOR

to

THE BOARD OF GOVERNORS

AND THE SENATE

For the Academic Year

1962-63

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

For the Year July 1, 1962 - June 30, 1963

Ladies and Gentlemen:

On many occasions, in addresses, during conferences and in previous reports, I have attempted, as many others have also done, to define or to list the aims and objectives of higher education. This, of course, is a difficult task. But at this critical stage in the life of the universities, when hundreds of millions of dollars are being spent on higher education, it would seem wise to bring our thoughts around again to these aims and objectives so that we may have before us some "guide lines", the objectives towards which we are all striving, to see more clearly why we are as concerned about providing thousands of additional student places at Western as we are concerned about providing tens of thousands of additional student places throughout the Province.

Accepting the premise that different universities and colleges may vary in their functions, and therefore in their objectives, I think that one can, however, in general lay down certain aims and objectives which would be acceptable to most institutions of higher learning.

Back in 1948 in an address to the Toronto Canadian Club I put it this way: "Men are primarily the providers for the family, but they are, or should be, something in addition. Throughout the centuries it has been recognized that a man might be a clerk, an artisan, a merchant, a doctor, a clergyman or a teacher, but that he was in addition a human being with a body, a mind, and with character. It is just as essential, therefore, now even as it was in the great days of the Greeks, that education recognize these two aims - the specialized education so that man may earn a living, and the liberal education so that man may have knowledge, understanding, and appreciation of man and of those things which are worthwhile. The universities, I am sure, can accept these two purposes of education and still remain universities in the true sense of that word. When one

attempts to analyze objectively the aim to be able to earn a better living for having had the education, and the less tangible aim to become better men and women as a consequence of the acquisition of knowledge, the apparent incompatibility of the desire to become materially successful and the desire to be happy in life disappears.

"Surely there is nothing wrong with a desire to be successful, skillful, and to earn a good living. But, to be able to appreciate good literature, good music, good art, nature, and the many other things which make men happy, to be tolerant, to be able to live in harmony with our fellow citizens, to be responsible, to recognize and respect the rights of others, to respect democratic authority and to enjoy and participate in the privileges of citizenship, are signs of a true education . . . Our educational process should be geared accordingly."

Again, in 1948 - fifteen years ago - I attempted to add to that which I have already quoted by stating, "The first and major responsibility [of a university] is to teach - to teach the subject to the best of our ability, with interest, with enthusiasm, with a broad understanding of the subject and with expertness based upon active thinking and study in the subject. Through good teaching the latent potentialities of the students can be excited, encouraged and developed. The ever important relationship between student and staff is fundamental in education and can be neglected only to the detriment of both the one who teaches and the one who is taught.

"The second responsibility of a university, and consequently of the members of the academic staff within the university, is to be actively engaged in research so that knowledge can be advanced, the truth sought and the perplexities of nature and natural phenomena understood. Research within the universities should be almost exclusively fundamental in character. The establishment of basic principles and not the application of the principles should be our objective. University research should be of an intellectual character, pursued in a spirit of freedom of thought and not with the hope of material gain.

"Such research is important and necessary in every branch of learning but in no branch does it need more encouragement than in the field of the social sciences and the humanities . . . [It is] still impossible to obtain the necessary support for research in those

fields which most closely affect human thought, human action and human relations".

At that time, 1948, I felt that there was a third responsibility, or aim, or objective, when I said, "The third responsibility is perhaps less tangible but none the less real - the development of the student as an individual. The university has an inherent, moral obligation to every student within its halls. The student is the most important single entity within the university and every effort should be made to help him or her to take advantage of the opportunities afforded by the university. The students come with different backgrounds, from different districts, with different points of view and with a diversity of talent ... They must be given a breadth to their education as well as a depth to their knowledge ... We must help them develop their own philosophy of life and in doing so we will develop educated men and women capable of giving leadership and capable of being good world citizens".

And it was sixteen years ago that I stated, "Our universities should be available for those who are capable of taking advantage of higher education, for those who give evidence of being competent to think and for those who are potential leaders. In the interests of our national economy, for the sake of our free citizenship and for the future of our country and this troubled world, the boys and girls of this and other provinces of Canada who have the mental capacity and the intelligence to develop into discriminating leaders of thought and action, must be encouraged by every means at our disposal to seek and obtain true higher education."

This concern over higher education was evident many years before - in the period immediately after the first Great War. We find in the 1921 Report of the Royal Commission on University Finances for the Province of Ontario, basic statements like this: "Education is not only intimately bound up with social and industrial reconstruction, but in a deep sense to the most important and enduring side of post-war policy. Upon the extent to which a country develops and uses the innate abilities of its citizens, its future prosperity and permanence depend.

"Universities should seek out and develop unusual human talent in whatever walk of life it may be found, and make it available for the service of the state!"

I do believe that those objectives and thoughts are as accurate, as realistic and as pertinent today as they were then. I am convinced, too, that our Board of Governors and our Senate subscribe now as they did in 1921 to those words and thoughts which Dr. Somerville helped to formulate. (It is of special interest that Dr. C. R. Somerville, Chairman of our Board of Governors from 1914 to 1919 was a member of that Royal Commission).

I am confident that we all believe in the goal of equal opportunity in a free society, and in accepting this view and in appreciating the aims and objectives of universities we, in fact, must accept the premise that university education should be available for all of those who have the ability to take advantage of it and not the sole privilege of those who can presently afford it. In other words, a university education should be available for all of those young men and women who have demonstrated their ability, their capacity, and their competence, and who desire to go to university.

Since 1948 many things have happened in the field of higher education. We are all familiar with the increasing demands for more and more places within the universities, with the great expansion programmes being carried out by the older universities and the development of new universities. We are all aware of the tremendous sums of money being provided by the people - through enlightened governmental action, through the active concern of business and industry and through the understanding and benevolence of private citizens - alumni and friends.

We appreciate that the many significant decisions of the Provincial Government to support in so many ways - capital funds, increased maintenance funds, Ontario Graduate Fellowships, the Graduate Studies Subvention plan, and in several other ways - are making it possible for thousands more students to attend university. In the overall, too, the universities are doing their utmost, in the face of numbers and rapid expansion, to keep before them the fundamental aims and objectives which I have mentioned.

Accepting in general those objectives, there is imposed upon the university and upon every member of it a very serious and heavy responsibility, a responsibility which must be shared by each and every student within the university. We all must strive for excellence. And I feel that that is the quality we seek.

During this decade many decisions have been made, and many more will have to be made, relative to the expenditure of vast sums of money - both capital and operating. Some things we will, of necessity, have to postpone; other things, for various reasons, may not be attainable, but whatever we do, whatever decisions we make, should be made with the basic aims and objectives of the University and of higher education always uppermost in our minds. It is so easy to rationalize in favour of the tangible and the practical and in the rationalizing to neglect or to discard the intangible things which may in themselves seem to be unjustifiable at the time but which may be fundamental and vital to the whole essence of the University. There are things of great intrinsic value in the realm of higher education which have subtle and lasting influences on the minds and souls of students and of staff alike - those things which attract and hold members of the Faculty, those things which give this University its character, those things which can make for excellence.

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What I have been trying to point out, and I hope that it was not trite, is that as we become more and more involved with stone and steel, with budgets and buildings, with numbers and needs, we do not lose sight of our major aims and objectives and responsibilities. This becomes increasingly difficult under the pressures of time, of money, of our rapidly changing society and of the imponderable issues which are constantly before us.

It is, therefore, with particular gratitude and appreciation that I say that the members of the Board of Governors, charged as they are with heavy responsibilities on behalf of the University, are as concerned about the fundamental concepts and intrinsic values of this University as they are about the material and financial aspects of its operation. We are fortunate indeed to have such dedicated men serving the University.

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The size of the University is, in general, a reflection of the numbers of staff and students. The building programme, which was

actually commenced in 1946 with the addition to the then Natural Science Building, has been accelerated in order to meet the demands of increased numbers. Although I analyzed, in previous reports, the student population trends, it is important at this time to remind ourselves of what has happened even in the past four years. The following table illustrates this rapid growth.

	<u>1958-59</u>	<u>1962-63</u>
Number of undergraduates	2401	3633
Number of graduate students	<u>316</u>	<u>499</u>
Total Constituent University	2717	4132
Total Affiliated Colleges	<u>684</u>	<u>1007</u>
Total University	<u><u>3401</u></u>	<u><u>5139</u></u>

Already, as can be seen, the enrollment has passed the 5,000 mark and Western, as much as many of us regret it, is, in the Canadian sense, in the category of a large university. We should, of course, think and speak in terms of the total University and not, as in the past, in terms of the "Constituent University" and the "Affiliated Colleges". Our responsibility to the students of the Affiliated Colleges is great indeed. They are students of the University as well as of their Colleges. They do take many of their courses in the "University". They are members of the Athletic Association, they participate in the affairs of student government, they do use many of the facilities of the "University". In planning our physical facilities and staff requirements we must take into consideration the one thousand students of the three Affiliated Colleges.

As this report deals specifically with the year 1962-63, I will not dwell upon the anticipated enrollment for the fall of 1963, except to say that even before the end of the 1963 fiscal year (June 30th) it was evident, on the basis of the large numbers of early applications, that the enrollment for 1963-64 would be in excess of our calculated figures - not only at the undergraduate but at the graduate level as well.

Of course, as enrollment rises and more staff and more physical facilities have to be provided, the University must depend to a greater and greater degree on the Provincial Government for

assistance. The sum of 3.5 million for capital expenditures and 2.3 million for maintenance and operating purposes indicates the extent of this dependence. And from Federal sources the almost 1.5 million dollars for operating purposes increases the percentage of our total budget from the two senior levels of government.

As these large grants become even larger it is as inevitable as it is right that some degree of restraint be exercised over the use of such funds. The relationship which exists between the University and the University Affairs Committee of the Provincial Government is one of understanding and of mutual concern for the magnitude of the problems which face us all. There has been no sign of any infringement on the traditional freedoms of the University.

The rôle which must be played by our Faculty of Graduate Studies, not only in the field of research but as well in the development of an ever-increasing number of potential university teachers, was recognized by the Government, through its Advisory Committee on University Affairs. The granting of a substantial sum of money for the purpose of planning and preparing for an accelerated programme has been of inestimable value. The provision of several hundred Ontario Government Graduate Fellowships, together with Summer Supplements, for the academic year 1963-64 will make it possible for many capable and determined graduate students to continue their education into the field of post-graduate studies. From these young men and women, from this and other major universities in the Province, will come most of the teachers for our new universities and for our expanding older ones.

For several years the need for additional facilities for the training and education of secondary school teachers has been recognized. The opportunity for a new approach to this important phase of education was at hand. By agreement between the Minister of Education and the University, the new College of Education to be located in London, has become an integral part of the University. The Minister and the University have become partners in this new undertaking. The enthusiastic support of the members of the University in welcoming Dr. William Turner, who as Dean-Designate will become Dean of the College on July 1st, 1964, is evidence that the other members of the College staff, yet to be appointed, will receive a warm welcome to their new University and to the relevant academic departments.

The need for more residential accommodation continues to be of urgent concern. With some 80 per cent of all of our students coming from beyond the commuting area of London, the housing of several thousands of students is not an easy task. In addition to these students who seek homes in London, there are the students of the London Teachers' College, and shortly the advent of another 600 or more students in the new College of Education will aggravate the problem considerably.

Providing residences for students is much more than simply providing bed and meals. Residential life is a very integral part of university education. It is not a frill. It is a home, a library, a forum, a place where students from every part of Canada and from many foreign lands talk and study and learn. They learn about themselves, they learn about others, they learn to be tolerant, they learn to respect the opinions and rights of others. The senior members of Faculty who are Fellows of the Residence cover many disciplines. They dine with the students and discuss with them in an intimate and informal way the many aspects of this and former civilizations. Living in residence is a real privilege, an educational experience offered to too few of our students. Although it is most unlikely that we can reach the figure in this decade, I do hope that before the end of 1980 the University will be able to have 30 per cent of its students - including almost all first year students - in residences.

At this time, as the University opens its public campaign for the raising of 7.2 million dollars, towards a capital expenditure - between 1962 and 1970 - of 36 to 40 millions of dollars, it is with great sincerity that I express, on behalf of all of the members of the University, our very great and deep appreciation to the many business leaders across Canada who have so readily agreed to accept major responsibilities for the success of the Campaign. Too few people are aware of the time and effort which so many men in business and industry give to our universities, both directly and indirectly. Their concern for the universities is great. They are real partners in the field of higher education.

We, particularly at Western, owe a great deal to these men. Not only are they assisting in the present Campaign, but they and others are active members of our Advisory Committee to Engineering Science, and of our Advisory Committee to the School of Business Administration; many companies across Canada are Associates of

our School of Business Administration assisting in the support of research and the preparation of "case" studies for the classroom. We do thank them for their interest and their support.

At the same time it should be mentioned that the members of the University contribute in so many ways to the affairs of this Nation - and here I speak of matters of an extra-curricular nature. The number of "man-days" of time and effort given by Faculty members to the many significant organizations is increasing annually and has reached an impressive level. We recognize that this is a service to our national community - yet another responsibility of the University. Let me indicate just a few of these organizations, which depend so heavily on the advice and work of members of the University and as well mention a few other "outside" activities of staff members: The National Research Council, The Medical Research Council, The Ontario Research Foundation, Defence Research Board, The Canadian Forces Medical Council, panels of the Defence Research Board, committees of the National Research Council, committees of the Department of National Health and Welfare, committees of the Department of Mines and Technical Surveys, The Ontario Curriculum Institute, The National Cancer Institute, Research Advisory Committee, The Canadian Institute of International Affairs, Scholarship Committees of various companies, Commissions and Royal Commissions, numerous professional associations, the Learned Societies, forums and panels of various industrial associations, guest speakers for innumerable clubs, associations, etc. Indeed, members of the Faculty are active participants in almost every type of activity which relates to the socio-economic and cultural life not only of our "local" area, but also at provincial, national and international levels.

And let us not forget, in these times of rapid expansion, the many members of the staff who add many extra hours to their already long days in the planning of new buildings, new curricula, and in obtaining new staff. Theirs is not a light load.

I mentioned briefly the organization of "The Western University Fund, 1963" as it is officially known, and the part which Canadian business and industry is playing in its fulfilment. Of special significance, too, is the rôle which the Alumni Association has accepted.

The Association, notwithstanding that the great majority of the Alumni have graduated since the war and therefore are a relatively "young" group, undertook to participate actively in the Campaign and set as their objective \$1,000,000. This indeed was a worthy target but one which the Alumni Council felt could be attained through the understanding and loyal support of the Alumni. They felt that each graduate would realize that someone else in the past had helped to make it possible for him or for her to receive an education at Western and that, in turn, they would willingly help to provide places at Western for others who will be coming in the future. And in this spirit, the Alumni all over the world have become active partners with their University.

The continuing support of the Corporation of the City of London and of the County Councils is deeply appreciated by the whole of the University community. The assistance received from every level of Government, from industry and business, from Alumni and friends, and from the members of the University Faculty is such that not only should the Campaign be a successful one, but the provision of the many new physical facilities and the added staff which are required is assured.

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It is with great sorrow that I record the deaths during the year of several members of the University.

Colonel George W. Little, 9 August 1962
- member of the Board of Governors

Dr. Alan S. Douglas, 2 November 1963
- member of the Department of Medicine

Dr. Harold R. Kingston, 10 February 1963
- former Principal of University College and
Dean of the Faculty of Arts and Science

Miss Dorothy McEwen, 25 March 1963
- technician, Department of Pathological
Chemistry

Dr. George C. Hale, 27 May 1963
- former Professor of Medicine

Mr. A. B. Siskind, 5 June 1963
- lecturer, Faculty of Law

Miss Rose Margaret Warren, 15 June 1963
- Department of Buildings and Grounds

Their contributions to the University will not be forgotten by their colleagues.

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At this time, as I present my report to the members of the Board of Governors and to the Senate, I wish to record my deepest appreciation to all of the members of the Faculty, the non-academic Staff, the members of the Board of Governors, the members of the Senate, the Alumni and the Students, who collectively constitute the University, for their help, their support and their understanding during what has been for all of us an exciting and strenuous year. May I, too, commend to your attention the reports which follow. They are, in essence, the report of the activities of the University for the academic year 1962-63.

THE UNIVERSITY SENATE

Report of the Secretary - J. K. Watson

The University Act of 1955 provides for representation on the Senate of the University of Western Ontario of 87 persons from various specified civic, educational and other groups. During 1962-63, actual appointed membership was 78. Four meetings were held, November 1st, 1962, January 25th, March 22nd and May 22nd, 1963 with an average attendance of 47.

Three members of many years' service to the University retired - Canon R.C. Brown of Windsor, representative of the Corporation of Huron College, Mr. W. N. Sexsmith, representative of the City of Chatham, and Dean F. Stiling of the Faculty of Arts and Science.

New appointees to the Senate were Mr. J. R. Carrie of the City of St. Thomas, Mr. S. McLennan of the City of Kitchener, and Mr. R. E. Rawlings of the County of Elgin. Professor L. S. Lauchland was reappointed as representative of the Faculty of Engineering Science. Permission was granted to Middlesex College to appoint an additional representative from its faculty.

The Senate authorized the Executive Committee to resolve minor course revisions as recommended by other committees of the Senate or by Faculties and Schools, in order that the time of the Senate members at the four meetings could be devoted to consideration of policy and issues of broader scope.

The Committee on Secondary Schools and University Relationship continued the program of the previous year, but had expanded two areas, High School College Day and Grade 13 Lecture Series. An evaluation of the worth of the program had been made, and from it had arisen the desirability of a conference of Principals and/or Guidance Officers with University Faculty.

Four Convocations were held, November 2nd, 1962, May 23rd, 24th and 25th, 1963. A total of 1,296 degrees and 173 diplomas were conferred, of which 12 were Honorary Degrees, 169 post-graduate degrees and 266 Honors undergraduate degrees.

Areas of university responsibility, which were discussed beyond the regular work of the Senate, covered the School of Graduate Studies, the Department of Summer School and Extension, negotiations of the University with Ontario Department of Education for the new College of Education, the program for Type A Certification, and expansion planning at various stages.

Admissions

The Faculty of Engineering Science was granted permission to accept for 1963 enrollment students applying under special categories. A committee was set up to recommend a revised Admission Policy for Engineering Science for 1964 and later.

The inclusion of a Grade XIII paper in History and Theory of Art as one of the required 9 for admittance to Program II in September 1964, was authorized.

Admission requirement for Program A of the School of Nursing was revised, so that Physics might be included as one of the optional science papers.

Requirements for admission as an Adult Special student were revised, and the Senate resolution of 1943 respecting credits for war service was rescinded.

Pre-selection, and provisional acceptance of applicants for the first year, on the basis of Principals' Reports and SATO and SEATO ratings, were discussed at three of the four meetings.

Course Changes

Revisions in the following programs and courses were approved: Civil and Electrical Engineering, Programs A and B of the School of Nursing, Honors and General Programs of the School of Music, and in Chemistry, Classics, Economic and Political Science, English Language and Literature, Geology, Geophysics, German Language and Literature, History, Mathematics and Astronomy, Physics, Philosophy, Psychology, Pre-medicine, Romance Languages, Russian, and Zoology of the Faculty of Arts and Science.

Revision of the regulation concerning Failures and Supplemental privileges, in the General Programs of the Faculty of Arts and Science, and, a revision of the required standard for admittance to Honors Programs in Faculty of Arts and Science were made.

New Courses and Programs established in the Faculty of Arts and Science were General Program III, Honors Program in English and Russian, Honors Program in Medicine, and a Graduate Program in Physical, Health and Recreation Education leading to an M.A. degree, in School of Graduate Studies.

THE REGISTRAR'S DEPARTMENT

Report of the Registrar - J. K. Watson

The past year has been characterized chiefly by preparation for the next wave of expanded student population, as it applies to the work of the office of the Registrar. In the past eight years, the number of students in the University has a little more than doubled. It was apparent in the early Fall of 1962, that the organization responsible for students' records and scholastic affairs must expand in order to meet the demands of the anticipated volume in the next eight.

Comparative Registration 1954 - 1962

	<u>1954</u>	<u>1962</u>
New students, including Extension, Correspondence, Summer School	1188	2618
Full-Time Intramural Students	2447	5096
Total Registration	3635	7502
Graduates and Diploma Holders	14404	23014

Translating the growth shown in the above table into workload of the Registrar's Office meant that most areas of the work had grown from small sections handled seasonally by all staff into semi-departments needing all-year-round personnel.

Admissions

In 1954, 1188 new students were enrolled but no record is available of the numbers applying who were refused admission, or granted admission and who later cancelled their applications. In 1962, 2618 new students were enrolled, but the applications of an additional 1500 were received, examined and presented to the Admissions Committee. It became obvious that the preliminary work for University Admission must become an area separate to the other work of the office, and an Admissions Officer was appointed. To June 30, 1963, 3400 applications for Fall admission

had been received, adequately acknowledged and provisionally examined.

Records

Student bookkeeping is the foundation for all the work of the Registrar's Office. Assessment of scholastic achievement for degrees and diplomas, statistics of all kinds, awarding of scholarships and bursaries, examination time-tables, etc., must all depend for accuracy on accurate, up-to-date student records. The system which has evolved over the years has been a manual one, and the growth of the past eight years stretched efficiency almost to the breaking point. Additional staff immediately was necessary during the year, with the hope that in time some of the records might be handled by automation. To prepare for the additional responsibilities of an enlarged population in the next eight years, and to coordinate all aspects of students' records, a Records Officer was appointed in the early Spring.

"Transcripts" are one aspect of student bookkeeping, since they are produced from students' records. In June 1954, records of 14,014 degree and diploma holders were in the files, together with an uncounted number who had withdrawn, failed to write, failed or transferred to other universities in the years to 1954. In that year, 1,600 transcripts were requested for which there is a one dollar fee. In 1962-63, there were 4,999 requests. The doubled registration resulted in tripled transcript requests, and from a part-time office-load, has this year required two people to handle.

Assessment of Students' Progress

The most important aspect of the work of the Registrar's Department is the annual assessment of the progress of each student to his ultimate graduation in his program. The record of each student must be assessed at least once a year, and a significant percentage of the student body must be assessed two and three times.

The personnel who handled student assessment in 1954-55 as "part-of-the-job" can no longer handle expanded numbers on

such a basis. Student scholastic assessment must become a division to the same extent as Admissions in order to face the problems of the immediate and long-term future.

The Associate Registrar is a specialist in this field through her experience with all phases of student records and programs. Through the nature of her work, she serves on the Failures Committee of the Faculty Council and the Petitions Committee; she is a member of the Admissions Committee, as a specialist in assessing qualifications for admission of applicants from other provinces and countries, and those with advanced level standings. In addition to the work just outlined, consultations with students are time-consuming, and demanding.

Public Relations

The growth of the University, through subsidization by government, industry and the public, as well as by the climate of our society, and by the increasing numbers attending, places more and more emphasis on the information requested through the Registrar's Department. With the anticipated enrollment to 9,000 intramural students by 1970, the information and help requested will assume tremendous importance in the organization of the office. Since the liaison between the University and the public will be so important, with the increasing financial involvement of the public, good staff must be trained for this area of work alone, who will project the proper image of the University.

Innovations

It has been found by other universities of Canada and the United States that when registration reaches 5,000, automation is advisable for efficiency, at least in some aspects of the records. Information and data may be obtained promptly, and office personnel used to better advantage in work which cannot be automated. The 1963 Spring Examination Schedule was produced by automation and proved successful. It is hoped that vital statistics of enrollment may be obtained through this means within the next few years.

A student number system was inaugurated this year. Without this system, the records of the 7,502 students could not have been handled to the extent they were.

Student Identification Cards were issued, and the system found valuable by the Library, the Athletic Department, the Health Service and by the students themselves.

Pre-registration, or selection of Fall program, was carried out in the Spring. Honors students eligible through results of Spring examinations to follow pre-registered choice, will register by mail for September, 1963. It is expected that over 400 students will be removed from the registration area.

In May and June, 1963, registration for Summer School was conducted by mail for the 1963 session. It proved completely satisfactory. The registration of Extension Students 1963-64 will be handled in the same manner.

OFFICE OF THE COMPTROLLER

Report of the Comptroller - R. R. Glover

It is a privilege to present herewith, in summary form, a report upon the financial operations of the University for the year ended 30th June, 1963. The report is based upon Statements prepared by the University's Auditors, Clarkson, Gordon & Company, and its purpose is to present in a brief and easily understandable form the financial results of the University for the past year.

The Net Result of the Year's Operations

The net excess of revenue over expense for the year was \$4,076.89. For comparison, the net results of the previous five years are shown below:-

<u>Years ended 30th June</u>	<u>Net Operating Results</u>	
1962	\$ 2,972.44	Surplus
1961	4,432.50	"
1960	2,797.15	"
1959	13,545.25	"
1958	9,937.00	"

Comparative Distribution of Revenue and Expense

The following Schedule shows in summary form the distribution of revenue and expense for the year, with comparative percentages for the previous year (cents omitted):- The figures are presented in the standard format recommended by The Canadian Association of University Business Officers.

<u>Revenue</u>	<u>1962-63</u>		<u>1961-62</u>
	<u>Amount</u>	<u>% of Total</u>	<u>% of Total</u>
Student Academic Fees	\$ 2,474,413	31.54	32.44
Gifts for General and specific Operating Purposes	60,173	.77	.90
Receipts for Services to Outside Organizations, etc.	288,821	3.68	4.21
Miscellaneous	57,288	.73	.77
Endowment Income	93,128	1.19	1.07
Government Grants for Operating Purposes:			
(a) General:-			
Federal	\$ 1,456,398		
Provincial	1,650,000		
Municipal	<u>75,000</u>		
	3,181,398	40.56	38.38
(b) Specific:-			
Provincial	30,000	.38	-
Sponsored or Assisted Research Funds			
Government -			
Federal	882,030		
Provincial	38,613		
Municipal	-		
Corporations	88,058		
Foundations, Associations, etc.	415,096		
Individuals and Bequests	7,276		
Endowments	30,879		
Other Sources	<u>196,936</u>		
	<u>1,658,888</u>	<u>21.15</u>	<u>22.23</u>
	7,844,109	100.00	100.00
Ancillary Enterprises including Athletics	<u>1,224,500</u>		
Total Revenue	<u>\$ 9,068,609</u>		

<u>Expense</u>	<u>1962-63</u>		<u>1961-62</u>
	<u>Amount</u>	<u>% of Total</u>	<u>% of Total</u>
Instruction	\$ 4,706,006	61.78	61.27
Assisted Research	1,658,888	21.78	23.23
	<hr/>	<hr/>	<hr/>
	\$6,364,894	83.56	84.50
Administration	253,567	3.33	3.00
Plant Maintenance	745,485	9.79	9.86
Scholarships, Bursaries and Prizes	18,972	.25	.26
Miscellaneous	228,014	2.99	2.20
Net Deficit on Ancillary Enterprises including Athletics	6,245	.08	.18
	<hr/>	<hr/>	<hr/>
	\$7,617,177	100.00	100.00
Extraordinary Operating Expenses	222,856		
Ancillary Enterprises including Athletics			
	\$ 1,230,745		
Less Net Deficit	6,245		
	<hr/>		
	1,224,500		
Total Expense	9,064,533		
Surplus at end of year	4,076		
	<hr/>		
	\$ 9,068,609		
	<hr/> <hr/>		

The growth of the University is clearly evident from the increase in Operating expenditures, which in this year exceeded the previous year by over 13% and reached a total of over nine million dollars. Just five years ago, the Operating expenditures were only slightly over four million dollars.

Research

Following the practise in previous years, the Operating statements include the amounts applied from research grants-in-aid and from contracts and, as well, the actual expenditures on research during the year. Research expenditures increased by more than 8% during the past year to reach a total of \$1,669,188.58. Comparative research expenditures for the past five years are as follows:-

<u>Years ended 30th June</u>	<u>Expenditures for Research</u>
1962	\$ 1,525,119.05
1961	1,142,912.39
1960	987,716.25
1959	853,554.28
1958	634,737.34

The following analysis shows the gross amounts expended on research within the various Faculties and Schools during the year.

<u>Faculty or School, etc.</u>	<u>Research Expenditure</u>	<u>% of Total</u>
Faculty of Medicine	\$ 841,210.13	50.3
Faculty of Arts and Science	687,011.36	41.2
School of Business Administration	41,790.17	2.5
Faculty of Engineering Science	24,765.64	1.5
School of Nursing	24,757.41	1.5
Museums	2,927.99	.2
Miscellaneous	46,725.88	2.8
	<u>\$ 1,669,188.58</u>	<u>100.0</u>

Additions to the Physical Plant

During the year the following buildings were completed or had reached the final stages of construction:- The Dr. H. A. and W. J. Stevenson Medical Library; an Addition to University College; Sydenham Hall Men's Residence, and a Services Building for the Department of Buildings and Grounds. With these additions, and including other buildings under construction at 30th June, 1963, the value of Land, Buildings, Equipment and Furnishings at original cost reached a total of over 24 million dollars, an increase of well over 3 million dollars in the one year. Present replacement cost is estimated to be at least 30 million dollars.

Construction in progress, but not completed, at the year-end consisted of two Additions to Middlesex College, and expansion of the Heating Plant.

Within a few days after the close of the fiscal year, the contract was awarded and work was begun on the largest individual building project ever undertaken by the University - the Medical Sciences Building, at an estimated cost of \$5,500,000.00. This, together with a major expansion in the Natural Sciences, for which plans were well advanced at the year-end, will make the coming year one of tremendous growth in physical facilities.

Capital Financing

The University's capital program as approved by the Board of Governors in July, 1962, will require an expenditure of \$36,400,000.00 in order to provide facilities to enable the University to meet its responsibilities in the field of higher education over the next decade.

The magnitude of the building program made it imperative that steps be taken to provide funds for this expansion. Thus, during the year, a financial campaign, The Western University Fund, 1963, was undertaken with the objective of raising \$7,200,000.00 toward the cost of the capital program. By 30th June, 1963, \$6,095,273.00 had been pledged, of which \$1,395,008.00 had been received with the balance to be donated over a five year period. This gratifying result was achieved through the tireless efforts of sincere and loyal friends and Alumni to whom the University will be ever grateful. The campaign will continue during 1963-64 during which it is confidently expected that the objective will be reached.

Gifts and Grants for Current Purposes

The Province of Ontario, cognizant of the heavy cost of expanding facilities, and of a larger student body, increased the Maintenance Grant by \$175,000.00 to \$1,650,000.00. A further increase to \$2,300,000.00 has been made for the current Provincial fiscal year commencing 1st April, 1963, but this will not be reflected in the University's statements until the 1963-64 year. In addition, a Special Grant of \$30,000.00 was made by the Province to cover the initial costs of an expanded program of Graduate Studies, followed by a further Special Grant of \$375,000.00 for the expanded Graduate Studies program applicable to the year 1963-64.

The Federal Government grant, which in this year was raised from \$1.50 to \$2.00 per capita, amounted to \$1,456,397.90, a most welcome increase.

The City of London increased its annual Grant to \$150,000.00 effective 1st January, 1963, but the increase was, by decision of the Board of Governors, placed in the Capital Funds account, and will be similarly directed for the duration of the present campaign for building funds.

Gifts and Grants for Capital Purposes

The Province of Ontario increased its grant for capital purposes to \$2,000,000.00 which exceeded by far all previous annual grants from this source. A further increase to \$3,500,000.00 was made for the 1963-64 fiscal year, and in addition a commitment has been given to continue the grant for two further years at a minimum of this amount to enable long range expansion plans to be undertaken.

The City of London by increasing the annual grant has also made it possible to lay plans to accommodate the ever increasing number of students seeking admission.

Corporations, foundations, Alumni, members of the Board of Governors, and members of the staff have all contributed generously toward the \$6,095,273.00 pledged to the Western University Fund, 1963. It is a heartening fact that so many have accepted a share of responsibility in meeting this current challenge to higher education.

The Counties of Elgin, Huron, Kent, Lambton, Middlesex, Oxford and Perth have all contributed substantially in response to the University's solicitation of funds for Capital purposes. The Canada Council also granted from its Capital Grants Fund \$215,000.00 toward the Additions to Middlesex College.

Gifts and Grants for Special Purposes

Many individuals, corporations and foundations made special gifts during the year for scholarships, bursaries, student loan funds, for the acquisition of books, for special laboratory equipment, and for other specific purposes. It would be impracticable to list the many donors individually here, but their generosity is acknowledged with sincere appreciation.

Student Fees

It is gratifying to be able to report that in spite of increasing costs of instruction, supplies and maintenance of plant, the fees charged to students remained unchanged from the previous year. It is one of this University's basic policies that all other sources of revenue must be fully exhausted before fees are raised.

Conclusion

To the more than 900 members of the staff, who by their constant daily endeavours, have assisted the University to meet its obligations to the youth of our country; to the devoted members of the Board of Governors and the Senate, and to the uncounted friends and graduates of the University, we express our sincere appreciation for making the results recorded in this report possible and we bespeak their continued interest in the difficult years of expansion which are still ahead of us.

FACULTY OF GRADUATE STUDIES

Report of the Dean - R. A. Allen

For the tenth successive year the registration in the Faculty of Graduate Studies reached a new high, 517, an increase of 73 or 16.4%. The largest increase was in Arts and Science, 30 in the Humanities and Social Sciences and 30 in the Natural Sciences.

In September 1962 the first candidates for the Master's degree in Engineering Science, four in number, were admitted. During the year 1962-1963 a great many inquiries about this course were received and although the applications are being carefully screened the registration in 1963-1964 will be considerably larger.

During the past year a Master's program in Physical Education was prepared and was approved by Senate on January 25th. This will provide a type of training in Canada for which previously most Canadian students had been forced to go to other countries. The applications already received prove the wisdom of offering such a course. The first candidates will register in September 1963.

The increase in registration in the Faculty of Graduate Studies might be regarded as a healthy growth in normal times. It is not large enough to meet the abnormal demands which Canadian universities will face between now and the year 1970. In recent reports it has been emphasized repeatedly that one of the major problems in connection with the growth of the university population of Canada is the procuring of an adequate number of university teachers. The point has been stressed that since the majority of these must be drawn from Canadian graduate schools a prime necessity in planning to meet the expected influx of students is the expansion of graduate studies. There was nothing original in these observations; the need was generally recognized.

It was most encouraging when Premier Robarts indicated his Government's recognition of the problem by announcing in September a provincial plan to provide generous fellowships for graduate students and also direct aid to the universities of Ontario for the expansion of their facilities for training prospective university teachers.

The Ontario Graduate Fellowships, the Premier announced, would have a value of \$1,500. for the academic year or \$2,000. for the calendar year if the student remained on campus and continued his research during the summer months. An increased interest in graduate study was at once apparent among the students and in the end 112 Fellowships were awarded for graduate study at this University. The majority of these were in the Humanities and the Social Sciences, in accordance with the Government's stated policy, although a few were awarded in the Natural Sciences. Students in the professional faculties and schools were not eligible.

The Provincial Government also made available immediately to the universities planning budgets in 1962-1963 so that they might make surveys of their library and other equipment needs, interview prospective senior staff for graduate teaching and generally plan for the expected expansion of graduate studies. This assistance has been most valuable. By the end of the year the Faculty knew with reasonable accuracy what were its most urgent needs and how they could be met. Negotiations with senior staff were well advanced. When the special Provincial grant for the expansion of graduate studies in 1963-1964 became available it was possible to proceed at once on the basis of plans already well considered.

It may be unnecessary to emphasize again, but it is crucial for an understanding of what is involved in such a growth, that the library resources needed for graduate students, the type of books and other source material, specialized journals, microfilms, microcards, readers, etc. are incomparably greater and more expensive per student than those needed for undergraduate teaching. Moreover, the very tools, the apparatus of modern scholarship have been changing radically in recent years. Microfilms, calculators, computers are now considered indispensable.

It is perhaps also self-evident that the training of graduate students requires highly qualified and experienced teachers. It has become difficult enough to find reasonably well qualified teachers for our undergraduates. The search for senior staff has had to be more extended, more persistent and has some times been frustrating.

In spite of the added responsibilities of all department heads this has been an exciting year for everyone engaged in graduate work. The generous Provincial grants have made it possible for us to plan with confidence, to do many things we knew needed doing.

Faculty of Graduate Studies

	<u>1958-59</u>	<u>1959-60</u>	<u>1960-61</u>	<u>1961-62</u>	<u>1962-63</u>	<u>1963-64</u>
Arts and Science	124	140	184	196	256	
Business						
Administration	170	161	178	209	216	
Engineering Science	-	-	-	-	4	
Medical Sciences	20	18	23	27	31	
Nursing	<u>-</u>	<u>2</u>	<u>8</u>	<u>12</u>	<u>10</u>	
	<u>314</u>	<u>321</u>	<u>393</u>	<u>444</u>	<u>517</u>	640

Humanities and Social Sciences

Economics and	
Political Science	10
English	26
Geography	13
German	1
History	37
Mathematics and	
Astronomy	10
Philosophy	11
Psychology	22
Romance Languages	<u>11</u>

141

Natural Sciences

Botany	12
Chemistry	45
Geology	9
Geophysics	5
Physics	23
Zoology	<u>21</u>

115

Arts and Science Total - 256

(cont'd)

Faculty of Graduate Studies

Medical Sciences

Biochemistry	10
Biophysics	6
Medical Research	2
Microscopic Anatomy	5
Pathological Chemistry	2
Pharmacology	2
Physiology	3
Preventive Medicine	1
	<u>31</u>

Business Administration

First Year M.B.A.	109
Second Year M.B.A.	106
Ph.D.	<u>1</u>
	<u>216</u>

Engineering Science

	<u>4</u>
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Nursing

First Year	5
Second Year	<u>5</u>
	<u>10</u>

Degrees conferred in November 1962 and May 1963

(Figures in brackets refer to the previous year)

Ph.D. - 15 (10) - 2 Biochemistry
 2 Biophysics
 3 Botany
 3 Chemistry
 3 Physics
 2 Zoology

M.A. - 30 (19) - 1 Astronomy
 4 Economics
 2 English
 3 Geography
 2 German
 3 History
 3 Mathematics
 2 Philosophy
 2 Politics
 8 Psychology

(cont'd)

Faculty of Graduate Studies

M.B.A. - 98 (81) - 98 Business Administration

M.Sc. - 18 (17) - 2 Biochemistry
2 Biophysics
1 Botany
3 Chemistry
1 Geophysics
1 Pharmacology
2 Physics
6 Zoology

M.Sc.N.- 8 (3) - 8 Nursing Administration

FACULTY OF ARTS AND SCIENCE

Report of the Dean - F. Stiling

The Faculty of Arts and Science has had a successful year in two respects. First, the student population was greater in 1963 than in the past, the total amounting to 6098 students, which included 2262 at Summer School and 1059 at the Affiliated Colleges. It is understood that two of the Affiliated Colleges desire to hold their enrolment at approximately what it is now; on the other hand, Brescia College is planning a slight increase after the addition to its physical accommodation will have been completed. The other respect in which the faculty has been remarkably successful is in raising the standards internally. Last year's report stated that a special committee had been established to study standards and related topics in the Faculty of Arts and Sciences. Several proposals of this special Committee on Academic Standards, about examinations, the admission of adult special students, and the standing necessary to remain in the university, were recommended to the Senate by the Faculty Council and the Arts Educational Policy Committee. The Senate approved these recommendations.

For many years there has existed a standing committee of the Faculty, designated the Academic Standing Committee, which examined the records of students who had failed or almost failed and which also considered petitions from students. These two operations of examining records and petitions resulted in recommendations which this committee formerly presented to the Faculty and since the establishment of the Faculty Council, to this body. Because the decisions made by the Academic Standing Committee sometimes impinged upon policy, it has been decided to make this Committee responsible to the Arts Educational Policy Committee of the Senate and hence to the Senate itself. The advantages of this procedure will be to ensure that the affiliated colleges have representation on the Academic Standing Committee and that the Senate will be kept informed about procedures. The Academic Standing Committee, which consists of heads of departments in the constituent colleges and is responsible to the Faculty Council, will now have added officially to its number, representatives from the affiliated colleges and will also be responsible to the Arts Educational Policy Committee. In other words, it will now have a dual responsibility.

In making this final report of the Faculty of Arts and Science, the Dean wishes to express his gratitude to the members of the Faculty in the constituent colleges, to the members of the faculties in the affiliated colleges and to the administrative heads in both groups of colleges, for their cooperation which has resulted in harmonious relationship. All the colleges have been able to minimize their individual preferences and differences and to concentrate on the welfare of the Faculty of Arts and Science. As I leave the University of Western Ontario, I extend wishes for the continued success of the Faculty of Arts and Science and to my successor, Dr. M. K. Inman, for a happy and fortunate tenure of office.

UNIVERSITY COLLEGE OF ARTS AND SCIENCE

Report of the Principal - Robert J. Uffen

Perhaps the most significant event in 1962-63 in the affairs of University College was the appearance of the Ontario Graduate Support Programme announced by Premier Robarts in October 1962, for the enlargement and acceleration of graduate studies, particularly in the Humanities and Social Sciences. The need for such a programme was recognized because adequate numbers of future qualified university faculty members would not be forthcoming unless immediate and aggressive action was taken.

The Graduate Support Programme has provided generous amounts for the purchase of books and equipment, for travel and for fellowships. The Ontario Fellowships, valued at \$1,500 for the winter term plus \$500 summer supplement have been awarded to over 100 students at the University of Western Ontario. All this, plus other fellowships, will make possible a rapid expansion which is expected to triple the graduate enrolment in some departments within two or three years.

Many changes in the permanent faculty accompany these rapid changes in the character of University College. There were 34 promotions, 31 new appointments, 2 transfers, 5 leaves-of-absence, 8 resignations and 1 retirement. The details are given in Appendix A.

Dr. Frances K. Montgomery, D. de l'U. de Paris, an outstanding teacher and scholar, retired from the Department of Romance Languages after 33 years of service. Her services, however, will not be lost to higher education in Ontario for she will take up a new post as Head of the Department of French at the University of Waterloo in 1963.

Notable among the promotions was that of Professor M. K. Inman to Dean of Arts and Science. Dr. Inman has been Professor and Head of the Department of Economics, Political Science and Sociology since 1940 and Associate Dean since July 1962. In addition to his teaching and administrative duties he managed to write several research papers and two important textbooks in Economics. Dr. Inman is succeeded by Dr. G. L. Reuber as the new Head of the Department of Economics and Sociology.

A major advance was the creation of a new academic rank to be known as Senior Professor. Four such appointments were made in recognition of the increasingly heavy demand of our faculty at the graduate level and making it possible for distinguished faculty members to advance in seniority without having to enter the administrative stream. These include: Professor J. A. Blackwell, Professor D. C. Bradley, Professor F. de Mayo, and Professor R. W. Nicholls. Among the new appointments there are several worthy of special note: Professor Roy Battenhouse in the Department of English, Professor D. Borwein and Professor J. T. Moore in the Department of Mathematics, Professor P. Thody in the Department of Romance Languages. As Visitors to University College they will enjoy a special freedom and are expected to enhance and stimulate our intellectual development.

The need for enlarged and improved laboratory facilities in Geography and Psychology was recognized some time ago. As a consequence, provision was made in the building additions to Middlesex College and these two departments were transferred from University College along with the Department of Russian Studies. At the same time all of Economics and Sociology was consolidated in University College while Political Science was consolidated in Middlesex College.

Professor A. V. Tucker was appointed Acting Head of the Department of History during the absence of Professor W. K. Ferguson. Dr. A. E. Beck was confirmed in his appointment as Head of the Department of Geophysics.

I am particularly indebted to Professor G. H. Reavely for his invaluable aid throughout the year, especially with the administration of the Natural Science Division. In recognition of his responsibilities Professor Reavely was appointed an Assistant Principal. The growing size and complexity of the General Arts Programme and the new emphasis on graduate studies in the Humanities and Social Sciences was recognized in the appointment of Dr. M. H. M. MacKinnon, also as an Assistant Principal of University College.

Effective 1st July 1963, the distribution of the faculty and staff of University College is as shown in the following table. Despite the transfer of the three departments to Middlesex College, there has been an increase of 7% in the faculty and of 18% in the supporting staff of research associates, technicians and secretaries.

With the addition of various transient research assistants, visitors, markers and temporary help, the monthly payroll for University College never includes less than 400 individuals.

Enrolment in University College numbered 1656 full-time intramural students and 3010 correspondence, extension and summer school students, who, under the direction of Professor J. A. McIntyre, are nominally registered in University College.

The attendant student problems have multiplied and I wish to express my appreciation for the assistance of Dr. S. G. French, Dr. H. I. S. Ferguson and Dr. T. J. Ulrych in interviewing students in trouble and for the preparation of invaluable records about the nature of their academic difficulties and background. It is a pleasure to record my appreciation also for cooperation extended by Mr. W. K. Schwarz, Prefect, and Miss Heather A. Johnson, Sub-Prefect, of University College Council.

We have grown accustomed to graduates in the Natural Sciences receiving a substantial number of scholarships and fellowships for further study. The National Research Council of Canada made 27 awards to science graduates of University College or to students coming to the University of Western Ontario to begin graduate studies. It is a pleasure to report that five of these were in Mathematics. A significant increase has occurred in similar awards in the Arts: 2 in Economics; 1 in English; 2 in German; and 2 in Romance Languages. It is especially noteworthy that Miss Linda Browne (Honors English), was awarded Woodrow Wilson, Canada Council and Queen Elizabeth II Ontario Scholarships.

As is shown in Appendix F, our faculty and graduate students have given evidence of their activity in research and scholarship by a large number of significant publications (172). Special mention should be made of the accomplishments of Professor W. K. Ferguson, Head of the Department of History, who published several major works in 1963. His "Europe in Transition, 1300-1520" is the result of many years of effort. May I also direct your attention to the enviable records of achievement of Dr. D. C. Bradley, Dr. P. de Mayo, Dr. E. G. Pleva and Dr. A. W. A. Brown.

The pursuit of new knowledge is an indispensable part of the education of a graduate student whether his ultimate goal is in industry, government service, or teaching. The cost of the attendant research could never be paid from students' fees. In fact, in the

sciences, it is paid for out of research grants made to professors (individually because of their personal reputations and capabilities). The details are given in Appendix G. The expenditures for 1962-63 totaled \$704,000 which is approximately 28% of University College annual budget. Here again I wish to draw attention to the efforts of some of our outstanding faculty members: Dr. D. C. Bradley, Dr. P. de Mayo, Dr. F. L. M. Pattison, Dr. J. F. Hart, Dr. R. J. Wonnacott, Dr. E. Brannen, Dr. P. Forsyth, Dr. D. R. Hay, Dr. A. W. A. Brown and especially Dr. R. W. Nicholls of the Physics Department who brought to University College \$123,600.

As I pointed out last year, members of the faculty are frequently called upon by Federal, Provincial and Municipal governments, as well as industry, in advisory capacities and usually at no charge. They are also very active in Learned and Professional Societies. These intangible services to public welfare are frequently overlooked and yet they are an essential part of the activities of the University. May I draw your attention to some of the significant additional responsibilities undertaken during 1962-63 by the faculty:

- | | |
|---------------------|--|
| Dr. A. H. Johnson | - was president of the Canadian Philosophical Association |
| Dr. H. I. Battle | - became President of the Canadian Association of Zoologists |
| Dr. A. W. A. Brown | - became Vice-President of the American Mosquito Control Association and Consultant to Fisons (Canada) Limited |
| Dr. R. W. Torrens | - became first Vice-President of the Canadian Association of University Teachers |
| Dr. D. R. Bidinosti | - was made a Fellow of the Chemical Society of London |
| Dr. W. Wehlau | - was made a member of the Royal Astronomical Society of Canada |
| Dr. P. A. Forsyth | - became Chairman of the new division on Earth Physics of the Canadian Association of Physicists |

- Dr. R. H. Cole - was a member of the Ontario Mathematics Committee
- Professor W. J. L'Heureux - became a member of the London Board of Education
- Dr. E. Brannen - acted as Consultant to General Motors Advance Research Systems, Santa Barbara, California
- Dr. D. R. Hay - acted as Consultant to the Northern Electric Company Research and Development Laboratories
- Dr. R. H. Stinson - acting as a Consultant on Rodent Control to the Ontario Department of Lands and Forests
- Dr. R. C. Gardner - acting as a member of the Human Resources Research Advisory Committee to the Defence Research Board
- Dr. G. H. Turner - acting as a Consultant on Human Relations to the Bell Telephone Company and the Ontario Police College

Once again members of our faculty have been active in the development of secondary school education and in particular in the Ontario Grade XIII Examination Programme:

- Dr. A. B. Conron - was a member of the Supervisory Board of the Ontario Department of Education
- Dr. G. R. Magee - was Examiner-in-Chief for the Grade XIII Mathematics

- Dr. R. W. Torrens - was Examiner-in-Chief for the Grade XIII French Composition
- Mrs. R. Waller - was Examiner-in-Chief for the Grade XIII Secretarial Practice
- Dr. R. H. Stinson - acted as Examiner-in-Chief for Grade XIII Zoology and in addition was a member of the Science Commission of the Ontario Curriculum Institute

The addition to the Arts Building of University College was completed in time for classes in September 1962. Its 44 offices have alleviated the overcrowding of faculty. However, there is looming a serious shortage of working space for teaching fellows and graduate students. Plans for the new Chemistry Building were completed; those for the additions to the Biology-Geology Building reached the "detail stage", and preliminary plans for the Natural Science Centre and Observatory (as a centre of related research) were commenced. All this extra planning involving capital expenditures of approximately \$7,700,000 has been asked of the Science Department Heads in addition to their normal duties. The appointment of Dr. A. E. Scott as Assistant Professor of Chemistry with special liaison duties between the academic and administrative departments was a stroke of good fortune. Dr. Scott brought with him a sound appreciation of academic needs and extensive experience in university planning.

The recruiting of 31 new faculty members was a considerable task and responsibility. Without the experience, knowledge, energies and contacts of our Department Heads and Senior Professors we could never have been successful. Future recruiting will remain our most difficult problem. In this respect, good library and research facilities and an attractive study-leave policy will be as important as the salary schedule in obtaining qualified people.

I would like, once again, to take this opportunity of recording my gratitude for the support and cooperation of the members of the faculty and staff in meeting the obligations of an expanding university.

UNIVERSITY COLLEGE OF ARTS AND SCIENCE

DISTRIBUTION OF FACULTY AND STAFF, JULY 1, 1963.

Department	Prof.	Assoc. Prof.	Assist. Prof.	Lect.	Instr.	Demonstrators	Teaching Fellows	Technicians	Secretaries	Other	TOTAL
Principal's Office	1	-	-	-	-	-	-	1	3	-	5
Botany	2	3	1	3	1	8	-	7	2	2	29
Chemistry	4	3	11	2	-	16	-	8	4	11	59
Classics	2	-	2	3	-	-	0.5	-	0.5	-	8
Computing Centre	-	1	1	1	1	1	-	-	1	6	12
Economics & Sociology	1	3	4	7	1	-	4	-	2	-	22
English	3	5	2	4	3	-	4	-	2	-	23
Geology	1	3	1	3	-	7	-	2	1.5	1	19.5
Geophysics	-	2	2	2	-	1	-	3	1	1	12
German	1	1	1	3	-	-	1	-	0.5	-	7.5
History	1	3	2	5	-	-	2	-	0.5	-	13.5
Journalism	1	1	-	8	-	-	-	-	0.5	-	10.5
Mathematics	6	4	5	3	2	3	2	1	1.5	-	27.5
Philosophy	1	3	2	3	-	-	2	-	1	-	12
P. H. R. E.	1	4	3	7	-	-	-	-	1	5	21
Physics	5	5	6	3	-	12	-	12	3	4	50
Romance Languages	3	1	2	4	1	-	2	-	1.5	-	14.5
Secretarial Science	1	1	2	1	-	-	-	-	-	-	5
Zoology	2	3	3	1	-	12	-	7	2	5	35
TOTAL	36	46	50	63	9	60	17.5	41	28.5	35	386

MIDDLESEX COLLEGE

Report of the Principal - D. G. G. Kerr

The three distinguishing features of 1962-1963 at Middlesex College were the graduation of members of its first class, the reaching of certain decisions about departmental reorganization and the addition of two new wings to the building. Activities of individual members of the faculty and of the student body contributed much as well to making the college's third year a significant one.

Graduating with general B.A. degrees were just over 100 members of the first class. Others of this class continuing on to the fourth year of an honours programme will graduate in 1963-64. The extent to which these students have felt part of the college and have benefited from associating together in this smaller unit within the university is difficult to say. Those who participated actively in college affairs - on the council, social committees, athletic teams, etc., - have certainly done so. The majority probably have not. To make the college system effective from the student point of view it will be important, as soon as it is technically feasible, for some timetabling of classes to be done on a college basis. Freshmen at least should take most of their classes in their own colleges.

The organization of Middlesex College's academic departments and their relationships with the corresponding departments in University College were subjects of much discussion and some controversy during the year. One reason for this was that in accordance with the recommendation of the original Middlesex Planning Committee in their Final Report of October, 1957, heads of Middlesex College Departments had been appointed initially for a three-year period only. With the end of this period approaching a convenient opportunity would be available for making any changes that experience had shown to be desirable. Eventually, the following decisions were reached, to take effect July 1, 1963:

1. The two social sciences departments in which considerable emphasis is placed on laboratory work and in which the physical division between the two colleges caused special inconvenience, namely, Geography and

Psychology, would be brought together again and both would be located in Middlesex College. Both would be provided with additional laboratory space in the new classroom wing being built.

2. The Department of Economics and Political Science would be divided into two separate departments with Economics and Sociology in University College and Political Science in Middlesex College.
3. Russian Studies would become a full-fledged department and be transferred to Middlesex College.
4. The four remaining Middlesex College departments - English, History, Romance Languages and Philosophy - would continue to function in association with the corresponding departments in University College.
5. With these changes made Middlesex College would have, as University College has always had, a number of departments not represented in the other college. Under these circumstances it would seem even more anomalous than before that heads of departments in the two colleges should have different tenure. It was agreed, therefore, to abandon the Middlesex College policy of making appointments for a term of years only.

Additions to the building were made necessary by rapidly increasing student enrolment and by growing numbers of staff. Plans for these additions and for some modifications of older areas were approved after consultation with heads of departments and others. Work began in the spring and is expected to be completed before opening of classes in the fall. Additions at the classroom end of the building include:

1. One large and several small Psychology laboratories on the ground floor. These will contain special fittings and equipment, some provided from Ontario Graduate Support Programme funds.
2. Similar laboratory provisions for Geography on the top floor.

3. On the two central floors, two large classrooms seating almost 150 students each, one seating 64 and four seminar rooms. These provisions are in accordance with plans being made to teach larger sections of certain courses combining lectures to the whole group with smaller seminar sections.

The new offices, octagonal in shape, will contain on three floors 33 faculty offices and on the ground floor an enlarged faculty lounge and accommodation for 19 teaching fellows. This latter provision, like the classroom arrangement at the other end of the building, is indicative of the changes taking place with regard to teaching responsibilities and methods in the humanities and social science departments. These changes are largely due to very rapidly increasing undergraduate and graduate enrolment. In some departments large undergraduate classes are becoming necessary. With graduate students available to assist in teaching, the professor in charge can be relieved of much tedious, time-consuming work while at the same time the assistants can be given valuable apprenticeship training. The assistants, however, must have space for marking papers, conducting interviews, etc. By giving them space together in one area of the building it is hoped that the additional advantage will be obtained of creating amongst them an esprit de corps conducive to their scholarly development.

Faculty achievements during the year bear witness to the ability of the individuals concerned and also to the intellectually stimulating atmosphere of the college. Most remarkable was James Reaney's receipt for the third time of a Governor General's Award for Poetry (English-Canadian section). Henry Mayo was elected a Fellow of the Royal Society of Canada. Five members of the faculty obtained research grants from the Canada Council, one from the Nuffield Foundation, one from the National Research Council, and one from the Canadian Institute of International Affairs and the Overseas Institute of Canada. Three books are among the year's publications listed in the appendix. Papers were presented to various of the Learned Societies, both in Canada and the United States, and visiting lectures were given in several Canadian and American universities. There were 38 full-time members of the faculty during 1962-63; in 1963-64 it is expected that as a result of ordinary expansion and of the changes outlined above there will be 64. It is to be hoped that the scholarly traditions so clearly characteristic of the early, more intimate years of the college can be carried over into the new era that is beginning.

COLLEGE OF MUSIC

Report of the Principal - Clifford von Kuster

There were 55 full-time students enrolled in the College of Music this year. In addition to this number, approximately 40 Arts and Science students were enrolled in one or another of the credit music courses given in Middlesex College and the McIntosh Memorial Building, by College of Music faculty members.

If enrolment continues to increase at the present rate, which seems likely, the College will have reached the limit of its physical capacity by the end of another season. Last November the Committee on Enrolment Projections recommended the approval of a quota of 150 undergraduate students in Music and 10 graduate students to be reached by 1970. This recommendation was subsequently approved by Faculty and Senate.

Apart from space requirements, the problems involved in transforming this recommendation into physical fact include extensive course revision, greatly increasing library holdings, and increasing the number of full-time faculty appointments. Progress can be reported in at least some of these areas.

In the coming season it is hoped that a revised program, to be offered as a Bachelor of Music program, will be ready to present to Faculty and Senate for their approval. This program would form the basis for a future Graduate program in Music. Offerings in Music History and Theory would be greatly increased. A step in this direction was taken this season by increasing the hours devoted to these subjects in third and fourth years.

We are most grateful to the Canada Council for a Music Library grant of \$3,000.00 which is being spent with careful deliberation. Canada Council grants have also been received by the following individuals who are connected with the College of Music:

Miss Betty Petz, a graduate of this season, whose name appeared on the Dean's Honor List each year of her course at the College of Music, was awarded a \$2,000.00 grant to further her vocal studies.

Mr. Victor Braun, a vocal student who attended the College several years ago received a Fellowship for further study in Europe. He recently won an International Mozart Competition in Vienna and has since had offers of singing contracts with Covent Garden Opera of London, England, and the Wagnerian Festival in Bayreuth, Germany.

Mr. Robert Skelton who has been as Instructor in strings for the past two seasons was given a grant to enable him to complete the requirements for the Master of Music degree at Indiana University.

Miss Kathleen Parlow completed her fourth series of violin lecture-recitals at the College this season. It is with deep regret that I report the passing of this great musician and distinguished Canadian on August 19th. Her contribution to music generally, and to this College and this community specifically, is impossible to assess.

Mr. Donald McKellar was responsible for the organizing and training of two new musical organizations on campus this year: the Concert Band, and the String Orchestra. They were presented successfully in a joint concert in Convocation Hall in March. He was also able, through his capacity as student-appointed Faculty Advisor to Purple Patches, Gilbert and Sullivan, the Mustang Band, and the U.S.C. Cultural Committee, to help improve the calibre of the offerings of these student groups. He has been in great demand as speaker, adjudicator and conductor at music festivals, band and orchestra clinics in Tillsonburg, Brantford, Toronto and St. Thomas, and has contributed an article on "School Music Rooms" to "The Recorder" which is the official journal of the Ontario Music Educators' Association.

Mr. John McIntosh has effected a complete revision of the theory courses offered at the College and was elected Vice-Chairman of the Royal Canadian College of Organists. He has also appeared as organ recitalist in a number of centres including Toronto, Brantford, London (twice), St. Thomas and Saginaw, Michigan.

Mr. Howard Munn, as Chairman of the Board of Studies of the Western Ontario Conservatory of Music, supervised the compiling and editing of the new Grade I and II piano examination books.

Mr. Alfred Rosé continued to act in his capacity as conductor of the University Choir and assisted Mr. McKellar in conducting part of the annual Concerto Concert.

Mr. Earle Terry was guest lecturer in "Choral Music" at the University of British Columbia Summer School this season. He also trained the Conservatory Choir, of which he is the permanent conductor, for the performance of the Faure "Requiem" and Poulenc "Gloria" with the Cleveland Symphony at the Spring Festival last April. The CBC featured a series of talks on Music by Mr. Terry on Trans-Canada Matinee this season.

FACULTY OF MEDICINE

Report of the Dean - O. H. Warwick

We record with regret the death of Dr. A. S. Douglas, a neurologist and valued member of our Department of Medicine. Three members of staff have accepted positions in the United States. Dr. D. P. Swartz has become Associate Professor of Obstetrics and Gynaecology at Columbia University and Chief of the Department at Harlem Hospital. Dr. A. M. Lansing who is particularly gifted as a teacher has moved to Louisville, Kentucky, where he will head the division of cardio-vascular surgery. Dr. J. S. Lott has accepted a position in private practice at Muskegon, Michigan. We wish them well in their new endeavours.

Among senior members of staff we welcome Dr. T. A. Watson as Professor and Head of the Department of Therapeutic Radiology. Dr. Watson has been Head of the corresponding department at the University of Saskatchewan and Director of that province's cancer services. He has gained international recognition for his studies of the treatment of cancer by super-voltage therapy, particularly with the betatron, and will be a most worthy successor to the late Dr. I. H. Smith. Dr. E. R. Plunkett becomes Associate Professor of Obstetrics and Gynaecology. Dr. Plunkett's major contributions have been in the fields of biochemistry and endocrinology. His appointment represents a departure from tradition in Departments of Obstetrics and Gynaecology and recognizes the growing importance of the basic sciences in this particular field of medicine. We welcome also Dr. H. Montgomery of Edinburgh as Assistant Professor of Pathology.

The Medical Research Council has this year awarded two Research Associateships to our Faculty, Dr. K. K. Carroll of the Department of Medical Research and Dr. J. R. Beaton who will be Associate Professor of Physiology.

A number of honours and awards have come to members of our Faculty. Professors M. L. Barr and A. C. Burton received Honorary Doctorates of Law from Queen's University and Alberta respectively. Professor Barr was also one of five scientists honoured by the Joseph P. Kennedy, Jr., Foundation for outstanding contributions in the field of mental retardation.

Professor R. J. Rossiter received from the Royal Society of Canada the Flavelle Medal for outstanding work in the biological sciences, and the Warner-Chilcott Award of the Canadian Society for Clinical Chemistry. In the field of microbiology this University was specially honoured. Professor E. G. D. Murray was President of the Eighth International Congress of Microbiology held in Montreal last summer. Professor R. G. E. Murray received the Canadian Society of Microbiologists' Award, given for the first time. Professor C. F. Robinow was President of the Canadian Society of Microbiologists and Dr. P. C. Fitz-James received the Royal Society's Harrison Prize for outstanding research in this field.

Several matters of academic interest deserve special mention at this time. There is an apparent resurgence of interest in the study of medicine as shown by the increase in number of applicants to the premedical and medical courses. The class just selected for the first year of the professional course has a particularly good academic record.

The Senate of the University has given approval in principle to the establishment of a programme of Honours Courses leading to the B.Sc. degree in Bacteriology, Biochemistry, Biophysics, Microscopic Anatomy or Physiology. With the facilities of our new Medical Sciences Building we shall be able to meet our obligations in training people for other than medical work in these specific fields.

Changes in the curriculum as recommended by a special committee two years ago will be initiated this and each succeeding year so that by the autumn of 1965 it will be possible to begin a system of modified block teaching for students in their clinical years. These changes will result in less didactic teaching, will place the student closer to the patient and should allow for greater integration in all areas of instruction.

The impending arrival of Health Insurance places new responsibilities on Faculties of Medicine. Not the least of these is the protection of teaching beds within our hospitals. The so-called public, ward or staff patient who by custom has been cared for by our teaching staff, may soon disappear. Progress is being made in the establishment of teaching units to which will be admitted the private cases of members of the active staff of Victoria and St. Joseph's Hospitals.

Council of the Faculty has been reorganized so that younger members of full-time staff and a greater number of part-time staff may participate in the affairs of Council. At the same time changes have been made in the rank structure of our Faculty so that the services of part-time teachers will be more fully recognized.

The scheduled date of completion for the new Medical Sciences Building is April 30, 1965. The detailed planning of this structure has taken well over a year. As Dean I wish to acknowledge with thanks the full cooperation of members of staff in this important task. As a Faculty we are especially grateful to Mr. Shortreed and his staff and to the architects.

The decision to move the basic science facilities to the campus was made some years ago. The following considerations supporting this decision are today more fundamental than ever to medical education and research.

- (a) The move is a natural culmination of the recommendations of the Flexner Report prepared for the Carnegie Foundation in 1910. This Report, which established the present pattern of medical education in America, recommended the association and integration of medical education with our universities.
- (b) The research accomplishments of the progressive element in our Faculty of Medicine have been internationally recognized. It is increasingly apparent that the efforts of those working in the basic sciences should now be more closely integrated with the efforts of their colleagues on the University campus - the biochemists with the chemists, the biophysicists with the physicists and engineers, the bacteriologists with the biologists, the physiologists with physical health educationists and so on.
- (c) Faculties of Medicine have an obligation to teach not only medical students but also those of our young people who wish to pursue careers in biochemistry, bacteriology, physiology, pharmacology and other subjects within what we call the basic medical sciences.

We are the only one of the larger universities in Canada not offering Honours Programmes in these subjects at the present time because of the geographic separation of the Medical School and the University. Such courses will be offered when we move to the campus.

- (d) Any young man or woman contemplating a career in this day and age has literally a multitude of choices. Those of us interested in medical education sincerely hope that our profession will continue to attract its fair share of young men and women of high ability. We recognize that we must compete for good students and in our opinion are in a fairer position to compete if our facilities, students and basic science staff are on the campus, not several miles away.

Our move to the campus in the near future will mark another milestone in the history of our Medical School and it seems appropriate to record at this time factual information showing this Faculty of Medicine in perspective, undistorted by the particular, local influences which bear upon us from day to day.

We are one of 99 approved Schools of Medicine in the United States and Canada. Our Canadian schools are all university controlled. In the United States ten schools have no university affiliation. Of the 89 schools associated with a university, 51 are situated on campus and a like number have university owned or controlled teaching hospitals.

Since 1883 this School has graduated 2,374 doctors. Between 1883 and 1899 there were 177 graduates and for the decades of this century the figures have been 202, 206, 213, 334, 388, and 620. Since 1960 another 230 have graduated, and in the next decade the figure will be well over 700.

The first M. Sc.'s for work in our basic science departments were granted in 1924, the first Ph. D. in 1949. In all, 110 M. Sc.'s and 77 Ph. D.'s have been granted.

In 1909 there were 20 officers of instruction; in 1928, 64; 1948, 104; 1958, 161 and in 1963, 237 of whom 72 would be classed as full-time by definition of The Association of American Medical Colleges.

The conditions under which teachers worked in 1909 at this School were deplorable. Pathology, bacteriology and histology were in one room. Flexner described a wretched chemical laboratory and an ordinary dissecting room - but no facilities for physiology, pharmacology or clinical microscopy and no museum deserving the name. There were "a few hundred books, locked in cases, to which the janitor had the key."

Fifty years have brought many changes and in particular we draw attention to the Medical Library. When organized in 1916 the purchase of three journals was recommended, one in diagnosis, one in surgery, and one in obstetrics and gynaecology. In the past academic year periodicals number 890. With over 60,000 volumes we stand next to McGill's 96,000 and Toronto's 83,000 volumes. The next largest collection is of 36,500 volumes and the remaining eight schools in Canada have from 30,000 to 15,000 volumes on their shelves.

The procedures for selecting our medical students seem to have been satisfactory. We consistently have the lowest withdrawal rate of all Canadian medical schools. That we are achieving a minimum standard of education is suggested by the fact that of 1,680 Western graduates writing the Canadian Medical Council examinations since 1919, only 3.6% have had failures whereas the rates for other schools have been from 4.5% to 19%. It is of interest too that next to Toronto we have the largest number of students taking the Canadian Medical Council examinations.

The reports received from various hospitals on all graduates doing their interne year are on the whole, favourable with one constantly recurring exception which is that compared with other internes they demonstrate a lack of experience in handling patients. The initiation of clinical clerkships in the revised curriculum we hope will remedy this shortcoming.

Whether our graduates do better or worse in their professional lives is, of course, difficult to assess. Each graduating class usually includes a few headed for the basic sciences. The published annual lists of The Royal College of Physicians and Surgeons of Canada indicate that at the present time two-thirds of our graduates complete their training in a clinical specialty. Graduate clinical training within our own teaching hospitals has grown more rapidly than many of us perhaps realize. This year, for example, excluding internes, there are over 100 doctors taking graduate clinical training in the London area.

Similarly, it is difficult to assess this School's proportionate contribution to medical research but surely, the honours which have been accorded to members of our staff are a measure of the esteem held for their work. Again, the list of some 200 papers published this year by members of our Faculty speaks for itself. In 1945 this University received little or nothing from fund-granting research bodies. Now the figure is approaching \$1,000,000 per annum.

Let it be clear that these facts are not presented with the intention of suggesting that we have achieved excellence. The evidence does suggest however that we have a good School of Medicine and that it is progressive.

It is equally clear that, as always, much remains to be done.

FACULTY OF LAW

Report of the Dean - I. C. Rand

The work of the academic year 1962-63 evidences advance in the organization of purpose and activity in the school. The spirit of the student body has grown more confident and professional and intellectual keenness more generalized. The urgency of application is making itself felt as a developing tradition with which the school in the future will be identified.

The first year students enrolled numbered 54, with 37 registering in the second year and 34 in the third. In the Convocation of May, 1963, the degree of LL.B. was conferred upon 30 graduates whose work throughout the course was creditable and encouraging. Of these, nine were honour students in the last year and three attained distinction over the full course.

The statistical information of the first year entrants is as follows. Geographical distribution: Western Ontario, 36; Eastern Ontario, 15; Maritime Provinces, 1; Western Canada, 1; West Indies, 1. University Distribution: Western, 31; other Ontario universities, 5; Maritime Provinces, 3; United States, 1; multiple attendance, 14, of whom six attended Western. Entrants holding degrees, 34 of whom 22 were from Western. Married, 10; single, 44; age, 25 or under, 44.

During the year the Moot Court continued its successful course with approximately 80% of all students participating. Again we must thank many members of the Middlesex Bar who assisted in sitting as judges. The genuine interest shown was gratifying and the beneficial effect undoubted. In the school competition the winners were Glen W. Cameron and Donald J. Taliano. In the inter-school contest held at Queen's University, the Western representatives, Douglas Walker and Glen Cameron, were adjudged the winners. Among those giving their time to the school schedule were the Honourable Mr. Justice McLennan of the Ontario Court of Appeal and His Honour, Judge Cross of the Oxford County Court of Ontario. To them and to the others taking part in this feature of the school training we are deeply indebted and most grateful.

The regular work was supplemented by addresses on various topics given by competent expositors. Dr. Wang, a practicing lawyer of Toronto, delivered a paper on Anti-Combines Law; Professor Willis of the Law School of the University of Toronto examined some aspects of our legal history; Mr. D. W. F. Coughlin gave an exposition of the Ontario Probation System; Lloyd W. Perry, of the Official Guardian's Office, dealt with a number of problems arising out of the ownership of property by infants; Dr. G. E. Hobbs and Dr. Carol Buck, of the Department of Psychiatry and Preventive Medicine, participated in a seminar in Jurisprudence on Medical Science and Law dealing specially with responsibility in the aspect of Criminal Law; and W. K. Campbell, Executive Assistant to the Chief Justice of Canada, spoke on the procedure and functioning of the Supreme Court. These addresses were designed to deepen the appreciation of matter presented to the students in the classrooms.

The faculty members are extending their participation in outside activities relating particularly to public administration. Professor Mackay is a permanent member of the executive committee of the John Howard Society and is frequently called upon for advice and assistance by the Magistrates' Association of the province. Assistant Professor Palmer maintains a close interest in the Labour Relations Board administration and on occasion has been called on for arbitration assistance.

During the year a substantial body of writing has been produced. To his work on "Government Guarantees to Foreign Investors", Assistant Professor Fatouros has added a study entitled "The Quest for Legal Security for Foreign Investments - Latest Developments" published in 17 Rutgers Law Review, 257-304 (1963); A Review of B. Lillick's "International Claims, their adjudication by National Commissions", 41 Canadian Bar Review, 306-310 (1963); and "Law and Science in our Age", 1962-63 Western Law Review 140-151, a review of "Law in a Scientific Age" by Edwin W. Patterson (1963). Professor Johnston concluded his work on "The International Law of Fisheries" in 3 Current Law and Social Problems, 146-237; and added a review of "Law and Minimum World Order" by Myres S. McDougall and Wm. T. Burke, in 2 Western Law Review 152-158 (1962-63). Professor Mackay contributed an article on "Peaceful Picketing and the Criminal Code" published in 3 Current Law and Social Problems, 114-129 (1963). Professor Flackett contributed a review of "Law in Diplomacy" by Percy E. Corbett in 40 Canadian Bar Review 520.

Assistant Professor Johnston introduced a bit of realism into his class on Insurance Law by exhibiting a moving picture of the origin and growth of Lloyds, the world known insurance institution. As a means of implanting a circumstance of relevant history the device was effective and instructive.

Several changes have taken place in the personnel of the faculty. Professor Gow has resigned to take up law teaching at McGill University; Assistant Professor Fatouros has accepted an engagement at the University of Chicago Law School; Assistant Professor Flackett is to work with a firm of lawyers in New York in research on legal aspects of certain matters resulting from the European Economic Market.

Replacing them will be: Assistant Professor Payne, University College of London, formerly of the School of Law, University of Saskatchewan; Assistant Professor Weatherill of Toronto and Harvard Law Schools, formerly of the Osgoode Hall Law School; and F. E. LaBrie, S.J.D., formerly of the Law School of the University of Toronto, who will be associated with the school as a special lecturer in Taxation and Company Law.

The members of the graduating class have been successful as were those of the class of 1962, in making engagements for the year of office apprenticeship required by the Bar Admission Course. The requests received from law offices throughout Ontario have exceeded the number of students available and there are many evidences that our graduates are giving a good account of themselves. The placements were arranged by a committee of the graduating class and its successful work in both years ensures its continuance.

We have now reached a point in the life of the school when broader and deeper views of social relevance can be brought within the expression of law development and application. We are warranted in entering upon a preparatory consideration of advanced instruction, among other topics, in legal aspects of Trade and Commerce, Industry and Business generally, both national and international, Criminology, Labour and the Social Relations necessary to a cohesive society. This necessity is evident today from the aggressive assertion and resistance between groups throughout the world. Although for the immediate present the main objective of the school is, and to a great extent must remain, the attainment of an effective introduction of the student to the substance and spirit of our inherited

legal formulations, yet deeper grasp and wider understanding are essential to the inescapable growth in all areas of regulation. Post graduate work should, then, be projected as a requirement which will soon be upon us. To that end an examination of the relation of other disciplines to this objective, the subjects of instruction and the organization called for, will, during the coming year, be commenced by the faculty, with such intermediate steps to be taken as are open to preliminary action.

The Library, the admiration of all who have inspected it, continues to grow under the efficient administration of Dr. Talman and Dr. Banks. As in similar institutions, the calls on this department of the school are and will continue to be insistent, and, as we approach post graduate work, will become more demanding. Law has become not only a learned but as well a scholarly profession, vital to society, whose sources of growth and understanding extend to the total records of mankind's progress toward order, liberty and justice, a field of learning which seeks both the knowledge of past experience of men and the needs of the future foreshadowed in the present. With accessibility of materials this means greater opportunity for research into law's formulations and administration to the end that its adjustments will keep pace with a swiftly evolving society.

FACULTY OF ENGINEERING SCIENCE

Report of the Dean - R. M. Dillon

Summary

The academic year 1962-63 marks perhaps the end of the first phase in the development of the Faculty. With the exception of undergraduate enrolment a steady growth has been realized in every aspect of the Faculty. This, of course, is to be expected. More significant, however, was the institution of a graduate studies program, expansion of shop and laboratory facilities, and the planning of a program aimed at broadening and improving the engineering science courses at Western.

Staff

The extra-curricular activities of the staff have become so extensive as to make it impractical to include a complete list. Members of the faculty are serving on more university committees and in addition continue to take an active part in the affairs of an increasing number of learned and technical societies and community organizations. Typical are Professor Lauchland who was appointed Vice-Chairman of the London Branch of the Ontario Professional Engineers Association, Professor Poucher who serves on Sub Committee No. 6, Canadian Standards Association - National Building Code Joint Committee on Reinforced Concrete Design, and Professor Foreman who commands No. 5 University Squadron RCAF and is Peoples Warden at the Church of the Transfiguration. In addition, Professor Nowak was appointed secretary to the Council of the Faculty of Graduate Studies, and Professors Davis, Chess and Macdougall attended summer institutes offered at universities in the United States.

Professor Davenport has brought distinction to himself and credit to the faculty. During the year he was the recipient of two awards, the Gzowski Medal presented by the Engineering Institute of Canada and the 1963 Alfred Noble Prize, both awarded for excellence of technical papers. Dr. Davenport was invited to deliver papers at the Institute of Civil Engineers Symposium on "Wind Effects on Structures" in London, England, June 1963, and at a Symposium in

Budapest sponsored by the International Union of Testing and Research Laboratories for Materials and Structures.

The first member of the Faculty of Engineering Science to speak at a colloquium was Professor Nowak who presented a paper on "The Equation of State of Water Vapour in the Supercritical Region" as a guest of the Department of Physics in the spring of 1962. Following this Dr. Nowak undertook to organize the program of Engineering Science Seminars for the academic year 1962-63 and his accomplishment has made a significant contribution to our academic program. With the cooperation of the Department of Physics, Dr. Arthur Porter, Professor of Industrial Engineering at the University of Toronto, spoke on the learning process and Dr. G. N. Patterson, Director of the Institute of Aerophysics, delivered a paper on "The Mechanics of Rarefied Gases and Plasmas". Two other seminars were sponsored by the Faculty. At one of them Dr. John Convey, Director of the Mines Branch of the Department of Mines and Technical Surveys, spoke on Canadian Research and the Productivity Council, and at the other Sir John Baker, F. R. S., Professor of Mechanical Sciences of the University of Cambridge, discussed "University Problems in Great Britain". The Faculty looks forward in future to the joint sponsorship of future colloquia, not only with the Department of Physics but with other departments and faculties within the University.

A more comprehensive program of student field trips for both third and fourth year students was organized under the chairmanship of Professor J. L. Kearns, assisted by Professor G. F. Chess. We are particularly grateful to the Steel Company of Canada who organized comprehensive programs for both the third and fourth year class. Professor Emmerson together with a group of fourth year students spent a most fruitful day inspecting the A. E. C. L. reactor and research laboratories at Chalk River. In November the fourth year class spent a day with the engineering staff of Imperial Oil Limited at Sarnia.

Mr. W. Ramakers, Chief Technician for the faculty, has exhibited imagination and leadership in organizing the first conference of engineering technicians. On May 15th representatives of engineering shops from most Ontario Universities met at Western with a view to improving their knowledge and understanding through the exchange of ideas and methods. Future annual meetings are planned.

The steady growth of the Engineering Science staff over the past three years is shown by the following table:

Year	Prof.	Assoc. Prof.	Assist. Prof.	Lecturers		Demo.	Total Academic		Tech.	Secy.	Total
				F. T.	P. T.		F. T.	P. T.			
1960-1	2	3	5	3		5	13	5	2	2	22
1961-2	2	4	7	1	1	9	14	10	3	2 1/2	29 1/2
1962-3	2	4	8	3*	1	12	17	13	6	2 1/2	38 1/2

* one lecturer on leave of absence

Visitors

On November 19th a special Iron Ring ceremony was held to honour Dr. G. Brooks-Earnest, Past President of the American Society of Civil Engineers. Mr. E. H. Walker, President, General Motors of Canada, addressed the graduating class on February 11th.

Dr. Max Yen, Senior Research Supervisor, Abitibi Power and Paper Co. Ltd., conducted a seminar on industrial research for third and fourth year Chemical Engineering students.

Dr. F. L. Lawton, President of the Engineering Institute of Canada, addressed the E. I. C. student section when he awarded the Institute Prize for 1963 to David Fader.

Guest lecturers for the fourth year professional practice course included Dean Ivan C. Rand; Mr. John B. Cronyn, Executive Vice-President, John Labatt Ltd.; Mr. E. H. Walker, President, General Motors of Canada Ltd.; Mr. G. R. MacMillan, Assistant Manager, Manufacturing Division, Imperial Oil Ltd.; Dr. John Convey, Director of Mines Branch, Department of Mines and Technical Surveys, Government of Canada; Mr. Larry Sefton, Director, District 6, United Steelworkers of America; and Mr. W. E. McBride, Manager, Union Relations and Wage Administration, Canadian Westinghouse Ltd.

Research and Graduate Program

Plans were laid for the modification of existing laboratories to increase space for research and graduate studies. The experimental analysis laboratory will be moved to make room for expanded chemical

laboratories and the senior drafting room will be converted into a soil mechanics laboratory. The Concrete Laboratory was dismantled to allow for expanded shop facilities and a new electronics shop is to be set up in the electrical science store room. The modification program which will be carried out over a three-year period will provide within the existing building for 7000 square feet of additional laboratory space as well as accommodation for four extra staff members and twelve additional graduate students.

Our research and graduate studies program has made satisfactory progress. Not only has the number of projects increased to fourteen from the six reported for the year 1961-62, but improved facilities and the participation of graduate student assistants has meant work of a higher standard. The institution of the M. E. Sc. program has been a stimulating experience for everyone. The standards set by the first four Master's candidates, G. D. Raithby, E. A. Marriage, G. N. Steels and W. A. Crago, have been very high indeed. The outlook for graduate students for the coming year is bright and it appears probable that before long we shall be enrolling candidates for the doctoral degree.

The following table gives some idea of the growth which has taken place since 1960.

<u>Year</u>	<u>No. of Staff Participating in Research</u>	<u>Research Expenditure</u>	<u>No. of Graduate Students</u>
1960-61	2	\$ 3,978	0
1961-62	5	13,930	0
1962-63	10	24,765	4
1963-64 (estimated)	12	45,000	10

It is of particular interest to note the extremely valuable contribution made by the special fund of \$11,000 for research in engineering science made available for the year 1962-63 by the Board of Governors. This assistance came at a critical period and has enabled us to develop the steady rate of growth which is reflected by the forecast for the year 1963-64 shown above.

An encouraging aspect of the current research activity is the extent to which inter-disciplinary projects are developing. The first

of these is the work to be undertaken by Professors Foreman and Nowak on "Model Studies of Blood Flow and Arterial Dilatation." This project was originated in the Faculty of Medicine and was recommended by Dr. A. C. Burton of the Department of Biophysics. If present plans materialize we should, in the near future, see other inter-disciplinary projects involving the Departments of Geology, Physics and Chemistry.

Curriculum Development

Significant steps in the Faculty's curriculum development program were taken during the academic year 1962-63. By the fall of 1962 three years of intensive study had been completed, the main object being to achieve a solution to the problems of high wastage rates and falling enrolment. Before embarking on a plan involving major course revisions it was deemed advisable to seek the advice of an outside authority, not only to review our tentative plans but to make fresh suggestions. In searching for an adviser, two factors were borne in mind: first, the organic structure of our non-departmentalized faculty, and second, the non-specialized nature of our courses. It is, therefore, perhaps natural that our attention was directed to the University of Cambridge. The engineering course at this famous university is commonly known as the Mechanical Sciences tripos; it is unique and probably one of the most successful in the western world. The course, like our own, is non-specialized, instruction is based on the tutorial system, and the organization of the Department of Engineering is in many respects similar to that of our Faculty.

During the first part of April, 1963, Sir John Baker, F.R.S., Professor of Mechanical Sciences and Head of the Department of Engineering at Cambridge, visited Western to conduct a study of our facilities, the present curriculum and our future plans. During his visit, Professor Baker expressed a willingness to assist in the development of a new course which would be based on our long term curriculum studies and at the same time would incorporate certain features associated with the Mechanical Sciences tripos. We propose to take advantage of Professor Baker's co-operative offer and to embark on a five-year plan to develop a fresh approach to engineering education in Canada.

It is expected that the first year (1963-64) will be devoted largely to completing the planning and other arrangements necessary as a

prelude to the development of the course over the succeeding four-year period. While no final decisions have as yet been made, it is intended to work within the framework of the existing courses and to seek means of improving their effectiveness. Consideration will be given to the development of a tutorial system, to the desirability of a pre-engineering program and to the introduction, at the earliest possible time, of practice in engineering design. A reassessment of our present standards of promotion is also planned. Since some of the features contemplated will be relatively new in Canada, it is expected that considerable effort will be needed to publicize and explain the program in the secondary schools. This will involve an experiment in the indoctrination of high school students with a view to attracting greater numbers of those with the ambition and ability necessary in an engineering course.

The success of this project will necessitate close liaison with the Faculty of Arts and Science and on the basis of our experience to date we are encouraged to believe that we are to receive the whole-hearted cooperation of Dean Inman and his staff.

In order to obtain financial support for this program, a proposal has been submitted to a number of Canadian foundations, and we are encouraged to believe that the necessary funds will be available to allow a start on the plan by September, 1963.

Advisory Committee

Members of the Advisory Committee on Engineering Science continued to render valuable service to the Faculty. In this report no less than four members of the committee are mentioned for a special contribution made during the year. The fifth meeting of the Committee was held on the 11th October 1962, under the chairmanship of Dr. E. V. Buchanan. At this conference a number of suggestions were put forward regarding future meetings. It was felt, for example, that meetings could be more interesting to the members and more useful to the faculty if arrangements were made to discuss specialized topics of mutual interest. The curriculum development program should provide a fine opportunity to involve members of the committee in this way.

Student Activities

The percentage of students participating in the affairs of the student section of the Engineering Institute of Canada and the Undergraduate Engineering Society continues to be very high. Professor Foreman, E. I. C. Faculty Adviser, reports that 175 students, or 80% of the total enrolment, are currently members of the E. I. C. Student Branch.

A number of activities including the Freshman Initiation and Stag, construction of a float for the Homecoming Parade, the Annual Christmas Dinner Dance, the Red Cross Blood Donor Drive and the Annual U. E. S. - E. I. C. Dinner were sponsored jointly by the two student organizations. Biweekly publication of "The Engineer", also a joint project, was continued under the editorship of T. C. Trecarten and G. A. Pearce.

The E. I. C. student section held five technical meetings at one of which an address was given by Mr. Gary Suter (E. S. '61) on the subject, "The Behaviour of Elastomeric Bridge Bearings at Low Temperatures". Mr. Suter is now undertaking post-graduate studies at the University of Toronto.

SCHOOL OF BUSINESS ADMINISTRATION

Report of the Dean - J. J. Wettlaufer

With the closing of the academic year, Professor F. W. P. Jones retired from his position as Dean of the Faculty. The Faculty, gratefully recognizing his untiring efforts and accomplishments, is pleased to report that Professor Jones' services will not be lost to the University since he will be resuming his teaching in the area of Investment Management.

Interest in the educational programs offered by the School of Business Administration continued at a high level. Enrolment in the Graduate School set a new record of 216. Students in the Graduate School brought a diversity of backgrounds and experiences to the classroom. Graduates from universities in India, Ceylon, Burma, United Arab Republic, South Africa, Japan, Jamaica, France, England and the United States helped to create a stimulating international atmosphere in the Business School.

Registration in the undergraduate program remained steady. The new course requirements implemented three years ago enabled the faculty to present a more integrated course to the students. The results have been pleasing to the students, the faculty and the business community.

The doctoral program was reappraised, based upon experiences with the first two candidates. The doctoral committee, under the chairmanship of Dr. D. S. R. Leighton has been working on a revision which will address the curricula and standards for the general fields and basic disciplines.

Demand for the summer programs for business executives continued to increase at a time when many Universities in North America and overseas experienced a considerable reduction in the number of applications. At the closing ceremony of the 16th session of the Management Training Course, 122 business executives received diplomas, increasing the total number of MTC graduates to approximately 1500. This course, which has become a tradition with many companies in both the United States and Canada, was under the direction of Professor W. A. Thompson who was assisted by Professors Ready, McDougall, Leighton, Thain and Wettlaufer.

Once again, we were fortunate to have Professors Folts and Walker with us from Harvard. Participation from all parts of Canada and from every kind of industry is a source of real encouragement to the work carried out at the School of Business Administration.

The 11th session of the Marketing Management Course was over-subscribed. As a result, a number of candidates had to be set over to 1964. Instruction was given by Professors Wettlaufer, Thompson, Leighton, Thain and Johnston. In an expression of appreciation to the University, the class made a substantial contribution to assist in furnishing a lounge in the residence.

The 7th Annual Business Conference of the School of Business Administration was held on May 9-11, 1963, under the chairmanship of Mr. Cal. Wattie of the class of MTC-'60. The conference had a record registration, attracting 230 alumni and friends from across Canada. The conference addressed the changing scene in business and industry and the resulting problems involved in developing executives who can cope with the vastly more complex demands which will be made upon management tomorrow. Mr. Karl Scott, President of the Ford Motor Company of Canada, gave the key address. The banquet speaker was Mr. D. W. Ambridge, Chairman of the Board, Abitibi Power and Paper Co. Other speakers were Dr. Schuyler D. Hoslett, Vice-President, Dun & Bradstreet Inc.; Dr. R. K. Ready, Professor of Business Administration, U. W. O.; Gerald G. Fisch, Managing Partner, P. S. Ross & Partners; Dr. W. H. Cruickshank, Vice-President of the Bell Telephone Company of Canada and Mr. W. H. Evans, President, Honeywell Controls Ltd.

The School has continued its policy of helping associations and organizations provide educational opportunities for their members. Faculty members assisted in programs for the Canadian Industrial Management Association, the Canadian National Railways, Canadian Association of Advertising Agencies, the Junior Chamber of Commerce, the Canadian Plumbing and Heating Association, Senior officers Conference of Ontario Civil Service Commission and the Canadian Chamber of Commerce.

Dr. R. K. Ready participated in the National Consultative Seminar on Human Relations Training, Geneva Park, Ontario, April 29th to May 2nd, 1963 and the National Training Laboratories Management Work Conference, Arden House, Harriman, New York, November 25th to December 7th, 1962. Professor J. J. Wettlaufer

acted as discussion leader at the National Productivity Council Labour-Management Seminar at Dalhousie University on September 18th and 19th, 1962.

The Editorial Council of the Business Quarterly, under the leadership of Professor W. J. McDougall, continued in its attempt to provide a publication of outstanding educational work to the Canadian business community. One concept of our goal is the creation of a periodical which can be considered as an outreach of the University - an extension both outward and upward in the education of Canadian administrators. While the present product may be viewed as only a current attempt in the fulfilment of this editorial objective, still the continuous increase in Business Quarterly subscribers is evidence of readership support. We have now reached our current subscription goal and with over 6000 paid subscribers. Moreover, the quality of our subscription list is important. At least three quarters of our readers are in the top and middle management responsibilities. Analysis of the total paid circulation shows the following partial breakdown of readers:

17% are company presidents and owners
7% are vice-presidents
6% are secretaries, treasurers and assistants
35% are general managers, comptrollers,
superintendents and district managers.

At the same time the business community, by considering the Business Quarterly in its total advertising budget, has recognized the intrinsic work of the magazine as an unique advertising medium, one regarded by the advertisers as ideal for reaching senior Canadian businessmen.

Recruiting for the class of 1963 reflected the general upturn of the economy in Canada and resulted in a record year for the number of career opportunities offered our graduates. Demand exceeded supply, both at the graduate and undergraduate level and starting salary ranges responded upward. This condition was particularly noticeable in the graduate section where mean starting salaries increased substantially. This surge upward can be partly accounted for by the level of age and experience of this particular graduating group and to the accumulated effect of the stature that the MBA from Western has developed over the years. In all, the placement program conducted 1687 interviews between 135 students and 213 visiting interviewers.

In the past year Mr. N. Armstrong, Administrative Assistant and Placement Director was elected at the Annual Conference of University Counselling and Placement Association of Canada to head the Placement Division of the Association. He was also appointed as the Canadian College representative to the College Placement Council, the executive body in the United States responsible for the activities of eight regional College Placement Associations in the United States and Canada.

Both the graduate and undergraduate student government bodies of the School of Business Administration carried out very full programs on extracurricular activities which were of great benefit to the student body and contributed to the general esprit de corps of the School. Notable among the activities of the MBA Association and the Business Council was the establishment of a student - faculty lounge in the lower floor of the Business School. It was through the efforts of the executive of these two bodies that plans were put forth and funds raised to establish this long-needed facility. In November, the students conducted a very successful Job Forum Day, which was attended by the whole student body of the faculty and some 25 guests from business and industry. At the luncheon, Mr. Karl E. Scott, President, Ford Motor Company of Canada, addressed the meeting.

For the year 1963-64 the Board of Governors approved the appointment of Dr. Bernard Portis from Harvard University. Dr. Portis will have responsibilities in the doctoral program. Other faculty appointments include two new assistant professors: Mr. M. Leenders who returns from leave at Harvard Business School with doctorate pending and Mr. R. Sproule who returns from Massachusetts Institute of Technology with doctorate pending. The Board also appointed four new instructors: Messrs. N. Macintosh, M. Moravec, J. Nininger and R. Peterson.

Leaves of absence were granted to Mr. J. Graham and Mr. J. Humphrey to attend Harvard University, and Mr. J. Kennedy to pursue studies at Stanford University. Mr. Graham and Mr. Kennedy were supported by Ford Foundation Fellowships. Dr. D. S. R. Leighton returned from leave of absence as visiting professor at the IMEDE Management Development Institute in Lousanne, Switzerland. While overseas, Dr. Leighton prepared case material which will be useful in the development of a new

course, International Business. During the year, Mr. J. R. Nicholson and Mr. S. Martin completed their doctoral work and were granted D. B. A. degrees from Harvard University.

Funds provided by the Western Associates enabled the faculty to carry out some of their research plans. Dr. D. H. Thain, with the aid of three research students, has been working on a Long Range Planning Research Study which should be completed during 1964. Dr. S. Martin undertook a Finance Research Project to study the feasibility of future research work in this area. As a result of a review of the current literature in the field of finance and interviews, discussions and correspondence with finance leaders in Canada, Dr. Martin was able to isolate several topics which will form the basis for continuing research in this field. Dr. A. Grindlay and his graduate student assistants completed a study on Operations Research in Canada as well as a survey of business games as a teaching mechanism. With the assistance of a grant from Mr. J. William Horsey, a pilot study on distribution and distribution costs was undertaken by two graduate students under the supervision of Dr. D. S. R. Leighton. Work on the bibliography was completed in September 1963 with publication to follow at a later date.

The case research program supported work in investment management, advertising, business policy and organization behaviour. Professor F. W. P. Jones, assisted by Mr. John Humphrey, made extensive revisions to the Investment Management course by completing new cases and revising several others. Particular attention was given to the importance of mining and petroleum in the Canadian economy. Dr. D. H. Thain and Messrs. G. Day and J. Kennedy have been generating several cases in Business Policy. Case research in this area represents a major work since it covers all of the functional areas of business. The importance to this School of continuing case research cannot be overemphasized. The splendid cooperation of the Advisory Committee of the School of Business Administration through the Western Associates Fund has made it possible for us to increase our output in this vital area.

The School and Faculty acknowledge, with thanks, the splendid effort which has been given by the administration as well as the Schools and Faculties of this University.

SCHOOL OF NURSING

Report of the Dean - R. Catherine Aikin

The following number of degrees and diplomas were conferred during the 1962-63 academic year.

October 1962 Convocation:-

Master of Science in Nursing	-	3
Bachelor of Science in Nursing - Program B	-	6
Diploma in Nursing Education	-	5
Diploma in Nursing Service Administration	-	3
Diploma in Public Health Nursing	-	6

May 1963 Convocation:-

Master of Science in Nursing	-	5
Bachelor of Science in Nursing - Program A	-	8
Bachelor of Science in Nursing - Program B	-	27
Diploma in Nursing Education	-	52
Diploma in Nursing Service Administration	-	30
Diploma in Public Health Nursing	-	61

In comparison with the previous academic year, five more Master's degrees, three more Bachelor's degrees and the same number of diplomas were granted. The failure rate increased from ten to nineteen percent.

Enrolment

The enrolment showed an increase once more to two hundred and twenty-six graduate registered nurses. Twenty-seven of these nurses were also registered in University College to complete the final year of the Bachelor of Science in Nursing degree program and ten were registered in the Faculty of Graduate Studies.

Sixteen students registered in University College for the first year of the Bachelor of Science in Nursing degree program A.

W. K. Kellogg Foundation Grant

The enrolment of students in the first year of the Master of Science in Nursing (Administration) was smaller this year. No new students from other countries were enrolled. The over-all program has remained the same but with new Faculty members teaching individual courses, the content and approach has been reorganized and strengthened. More definite policies regarding requirements for courses and the theses have been outlined.

The project of case-finding and case-writing has continued. Mr. Douglas Martin and Mr. Robert Wyckham have again assisted. Two Master's degree candidates are also writing cases. This is the first time, in the four years of the project, that it has been possible to engage nurses in these activities.

Faculty Changes

Miss Amy Griffin joined our Faculty on July 1, 1962. Miss Griffin has had considerable experience as a teacher and supervisor of nursing and has completed all the requirements for a Doctor of Education degree. This degree should be conferred in the fall of 1963. Miss Griffin has been teaching courses in the Master's program, has been directing the research of the students and the case-writing project.

Miss Shirley Good, Miss Louise Brown and Mrs. Vivian Wood were appointed to the Faculty this year, to assist with the undergraduate programs in Nursing Service Administration, Public Health Nursing and Nursing Education respectively. Each of these nurses has proved to be an excellent addition to our staff.

Miss Eileen Healey was granted one year's leave of absence to study at the University of London, School of Education.

Seminar for Senior Nursing Executives

A two-week seminar for Senior Nursing Executives was held in June 1963. Thirty-five nurses from across Canada attended.

These nurses hold positions as supervisor or director of nursing service or nursing education, consultant, or executive-director of a provincial nurses' association. The enthusiasm of this group through the Seminar was even greater than had been anticipated and every member participated actively. It is hoped that this will be the first of many such seminars or conferences.

Programs

During the past year, the Faculty of the School of Nursing and the Faculty of Arts and Science studied the admission requirements and the Arts and Science course requirements for the Bachelor of Science in Nursing programs A and B. Recommendations were made to the Senate in May 1963 and these recommendations were accepted.

The Faculty of the School of Nursing appreciated the opportunity to discuss these programs with the professors of various departments of the Faculty of Arts and Science. Everyone demonstrated interest in our programs and provided an opportunity for mutual interpretation.

Some minor changes have been made in the diploma programs to provide for more meaningful experiences for students. The London Public Schools arranged for the students studying Public Health Nursing to observe children in the kindergarten classes. This proved very satisfactory and we hope it will be repeated during this coming year.

As our library resources increase, the students are using them to much greater advantage. We continue to be grateful to Dr. J. J. Talman and his staff for their excellent cooperation.

A conference was held in February for the Public Health Nurses who would be guiding our students during their period of experience in the field of practice. About sixty nurses from as many agencies came to the School for one day. This provided an opportunity for the Faculty to interpret programs and for everyone to make suggestions about the kinds of experiences which would be most meaningful. We have been requested to repeat this conference next year.

Other Activities

Dr. Helen Mussallem visited the School in November, seeking further information for her study of nursing education for the Royal Commission on Health Services. As well as conferring with the Faculty, Dr. Mussallem addressed the students, telling them of her studies of nursing education, particularly the Pilot Project of the Evaluation of Schools of Nursing in Canada, the possible placement of schools of nursing under the general educational system and her present study. This spring, Dr. Mussallem was appointed Executive-Director of the Canadian Nurses' Association. The Canadian nurses welcome this appointment and know that their affairs are in very capable hands.

Miss Mildred Tuttle, Nursing Consultant, W. K. Kellogg Foundation, visited the School on two occasions and, as usual, gave stimulation to the Faculty and left us with new ideas.

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As the enrolment of the School has increased, a greater burden has been placed upon the many agencies which provide experiences for our students. Despite this, we are aware that these experiences are well planned and continue to be of a high calibre. We would like to formally express our thanks for this cooperation.

BRESCIA COLLEGE

Report of the Dean - Mother Marie

Although fewer First Year students were admitted in September, 1962 than in the previous year, the general enrolment continued to rise as an increased number of Upper Class students remained to graduate.

The class graduating at the Spring Convocation in 1963 had a very distinguished record, with twenty of the twenty-eight graduates obtaining either A or B standing. More students were scheduled to graduate in the Fall bringing the total to a probable thirty-five, the largest graduating class so far in Brescia's history. The undergraduates also showed improvement in the grades obtained at the 1963 final examinations.

One new full-time Instructor was appointed in the Department of English, Miss Dove Bradshaw, M.A. Mr. Donald Harris, M.A. was engaged on a part-time basis as an Instructor in History.

Although Faculty members from St. Peter's Seminary and Christ the King College have been teaching courses at Brescia for some years, this year was the first in which Brescia reciprocated by having two of the members of the Faculty go to Christ the King College to give courses: Mother M. St. Michael, Ph.D. gave a course there in Psychology 36 and Mother M. Corona, Ph.D. one in English 49.

The Brescia Lecture League sponsored eight lectures during the academic year. Rt. Rev. Anthony Durand, Rev. W. J. Ring, Dr. John Dubois (Research Scholar for the American Air Force in Asia), Dr. Norman Brown of Memorial University, Newfoundland, Mrs. Lawrence Lynch, Ph.D. (St. Michael's College, Toronto), Anne (Mrs. Douglas) Campbell, Mr. Murray McCance and Phoebe Erskine McKellar spoke on topics connected with Philosophy, Psychology, Sociology, Literature, Liturgical Art and Drama.

Brescia students continued to make their contribution to cultural and other extracurricular pursuits on Campus:

In conjunction with students from Christ the King College, they presented Shaw's Man and Superman and the one-act play by a Canadian author which was the Colleges' entry at the Intercollegiate Drama Festival in Toronto.

Brescia girls sang two of the important roles in the Patches musical comedy of this year and a Brescia student for the second time sang the leading female role in the yearly Gilbert and Sullivan production, this year's offering being H.M.S. Pinafore.

In the field of sports, Brescia students this year won the Lang trophy for the Women's Inter-year Athletic Competition.

Progress on the new building is satisfactory and it is expected that it will be ready for occupancy in September. The new library is designed to hold 30,000 volumes and will offer reading-room facilities which ought to meet the needs of an increasing enrolment. The interior of the top floor of the Classroom section will not be completed until later.

The Faculty and Alumnae of Brescia College were much saddened by the death of two Alumnae who, within a space of two weeks, were victims of car accidents. They are Suzanne Bedard (of Welland), Arts '62 and Doris Baker (of London), Arts '43. Doris Baker had been giving her College invaluable service over the past few years as Treasurer of the Alumnae Association.

HURON COLLEGE

Report of the Principal - J. Grant Morden

Huron College is happy to report on her activities during the academic year 1962-63. The new Student Activity Centre of Huron College was opened by Mr. G. F. Kingsmill, M.B.E., in October, 1962. This magnificent new building has provided for Huron College a co-educational common room, a snack bar, a music room, a games room, as well as locker space for non-resident students, and rooms and offices for student government. Huron College looks forward to the day when an Anglican Chaplain to the University will be using the special office built in this Activity Centre for chaplaincy work. The second Centennial Year Building of Huron College was completed in June 1963 and will house 82 girls, starting with the academic year 1963-64. These two additions along with the acquisitions of a new Principal's Residence (1379 Western Road) mark our physical growth during our Centennial Year. Huron College now possesses the physical plan necessary to adequately house her programme in liberal arts for 500 students and her theological programme for the training of candidates for the ministry. During the coming fall, there will be a financial campaign appealing to the friends and associates of Huron College for \$500,000. Since 1951 when Huron College moved to her present site, she has raised \$2,400,000. The campaign for \$500,000 will clear the College of capital debt and enable her to enter confidently on her second century instructing in both arts and theology.

Registration of Students

	<u>Faculty of Arts</u>		<u>Faculty of Theology</u>		
	<u>1962-3</u>	<u>1961-2</u>	<u>1962-3</u>	<u>1961-2</u>	
Preliminary Year	14	11	First Year	16	11
First Year	219	202	Second Year	9	13
Second Year	142	158	Third Year	11	11
Third Year	127	105	Occasional	3	3
Fourth Year	15	9		39	38
Occasional	4	8			
	<u>521</u>	<u>493</u>			

Faculty Changes for the Academic Year 1962-63

New Appointments

- Mr. David A. Blostein, B.A. (Manitoba), B.A. (Oxon.), Lecturer
in English
- Mr. Geoffrey J. Comber, B.A., M.A. (Ohio State), Assistant
Professor in Philosophy
- Mr. Peter C. Derbyshire, B.A. (U.W.O.), Lecturer in Classics
(part-time)
- Mr. Alexander B. Fancy, B.A. (Mt. Allison), Lecturer in French
(part-time)
- Mrs. Louise Forsyth, B.A. (Saskatchewan) Lecturer in French
(part-time)
- Mr. Robert G. Fullerton, B.A., M.B.A. (U.W.O.) Lecturer in
Business Administration
- Miss Gwenneth Galilee, B.A. (Toronto), Lecturer in French
(part-time)
- Dr. David A. Givner, B.A., M.A. (Maryland), Ph.D. (Columbia),
Assistant Professor in Philosophy
- Mr. Peter Hinchcliffe, B.A. (British Columbia), M.A. (Toronto),
Lecturer in English
- The Rev. Dr. Jared J. Jackson, A.B. (Harvard), B.D. (Episcopal
Theological School, Cambridge, Mass.), Th.D. (Union
Theological Seminary, N.Y.), Assistant Professor in
Hebrew
- Mr. Gunther H. Jacobs, M.A. (Alberta), Assistant Professor in
Economics and Political Science
- Mrs. Deborah Metford, B.A., M.A. (British Columbia), D. de l'U.
de Paris, Lecturer in French (part-time)
- The Rev. Frank A. Peake, B.A. (Saskatchewan), M.A. (University
of Alberta), L. Th. (Emmanuel College, U. of S.), B.D.
(Church Divinity School of the Pacific, Berkeley, Calif.),
Visiting Lecturer in Religious Education (part-time)
- The Rev. Dr. Raymond A. Peterson, M.A. (Oxon.), S.T.B.
(General Theological Seminary, N.Y.), Th.D. (Union
Theological Seminary), Assistant Professor of Church
History
- Mrs. Moira Sansom, B.A. (Mt. Allison), B.A. (New Brunswick),
B.L.S. (Toronto), Ph.D. (London), Lecturer in Psychology
(part-time)
- Dr. Hartley M. Thomas, B.A. (Queen's), M.A., Ph.D. (Harvard),
Lecturer in History (part-time)

Resignations

- Mr. Christopher Mead Armitage, M.A. (Oxon.), Lecturer in English
- Miss Myrtle Brock, B.A. (U.W.O.), Lecturer in English (part-time)
- Dr. Jean-Jacques Mambourg, Ph.D. (Fribourg), Assistant Professor in French
- Mrs. Christa Livia Burghardt, M.A. (Toronto), Instructor in French (part-time)
- Mr. Robert J. Jackson, B.A. (U.W.O.), Lecturer in Economics and Political Science (part-time)
- The Rev. Harold Beatty, B.A. (U.W.O.), M.A. (Oxon.), B.D. (Trinity), Visiting Lecturer in Hebrew
- Mr. Lewis Shipper, M.A. (Wayne), Lecturer in Economics and Political Science
- Mr. Kenneth Turnbull, B.A. (U.W.O.), Instructor in Classics (part-time)
- Mr. Donald F. Harris, M.A. (Cantab.), Instructor in History (part-time)
- Mrs. Eileen Glennie, B.Sc. (London), Lecturer in Mathematics
- Mr. John Malcolm, M.A. (Queen's), Assistant Professor in Philosophy

Huron College as a Christian Liberal Arts College affiliated with the University of Western Ontario is proud to offer to her students the unique advantage of being in the atmosphere of a small residential College with a close relationship between faculty and students while at the same time having open to her students by the generous Affiliation Agreement afforded to us by the University, the wider facilities of the constituent university. Huron College wishes again to express her appreciation to the President and officers of the University for their help and counsel and goodwill. We pray God that by the growth and stature of our academic work we may reflect credit and honour to the University of which we are proud to be affiliated members.

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

Five students registered in St. Peter's Seminary College of Arts are listed on the Dean's Honour Lists for 1963.

Several special study days were held during the year, under the guidance of visiting lecturers. Among the more distinguished of these was Bishop Gerald Emmett Carter, who conducted a seminar on pedagogical methods in the teaching of religion.

The Library made a number of important acquisitions, among these being the new Lexikon fur Theologie und Kirche, the Opera Plurima of William of Ockham, and the rather rare Collegii Salmanticensis Cursus Theologicus.

Rev. Patrick E. Cavanagh, M.A., Ph.L., who left the Staff in January to work on his doctoral thesis at Notre Dame, has returned and resumed teaching in the Department of Philosophy.

The College of Christ the King

The academic year of 1962-63 opened with four new teachers on the Staff: Dr. Charles Jeremiah Treacy as Professor in Classics, Mr. Peter Martin Hughes as Instructor in English, Mr. James William Daly as Instructor in History and Mr. Michael Edward Rashotte as Instructor in Psychology. Mr. Sean Finbarr Gallagher was granted permission to attend The National University of Ireland in Dublin for a Ph.D. in English. After registration Rev. E. P. LaRocque relinquished his duties as Registrar to Mr. James Quinton Cahill.

During the year Dr. Lenardon published an article in ITALICA, March, 1963, entitled "An Annotated List of Articles Dealing with Italian Literature Appearing in the JOURNAL ENCYCLOPEDIQUE from 1756-1793". Dr. Adel-Czlowiekowski gave a lecture, "Political Aspects of the Common Market" at Wayne University, Detroit, and at Loyola University, Chicago, toward the close of the year. On May 31st, 1963, Mr. Fritz Maximilian Gerhard Wieden received the Ph.D. from the University of Toronto. His thesis was entitled: "Coleridge as a Student of German Literature".

On October 30th, 1962, the University Registrar announced that 253 students were registered at the College. Of these, 245 persevered to the time of the final examinations. Out of the 245 who tried the examinations, 131 passed all their subjects, i.e. 53.47 per cent. This was a better achievement than that of the previous year. The study habits of the students in residence were so good and the discipline so excellent that the curfew was abolished during second term.

The third series of Masterworks and their Makers was planned and arranged for by the Director of Art Lectures, Mr. B. M. Greene. They were delivered as follows:

- January 17, 1963. "Marriage à la Mode" by Hogarth. Mr. Paul Grigaut, Chief Curator and Acting Director, The Detroit Institute of Art.
- January 24, 1963. "Conversion of Saul" by Caravaggio. Dr. Wolfgang Stechow, Professor, Department of Fine Arts, Oberlin College.
- January 31, 1963. "The Night Café" by Van Gogh. Mr. Edward Henning, Assistant to the Director, The Cleveland Museum of Art.
- February 7, 1963. "The Isenheim Altar" by Grunewald. Dr. James R. Johnson, Associate Curator of Education, the Cleveland Museum of Art.
- February 14, 1963. "The Arena Chapel" by Giotto. Dr. Marvin Eisenberg, Professor and Chairman, The Department of the History of Art, the University of Michigan.

February 21, 1963. "What Price Rembrandt?". Mr. Carroll E. Hogan, Director, Painting Department, Parke-Bernet Galleries, New York.

February 28, 1963. "The Execution of Maximilian of Mexico", by Manet. Professor N. G. Sandblad, Institute of Art History, Upsala University, Upsala, Sweden.

SUMMER SCHOOL
AND
EXTENSION DEPARTMENT

Report of the Director - J. Archibald McIntyre

As is customary, the year began with Summer School 1962 and ended amid final preparations for the 1963 Summer School. Traditionally, the method of registration for Summer School had been to spend the first day of Summer School dealing with this question and arranging for the classes to start the second day. This of course meant that the size of classes, the number of students and consequently, the number of instructors required was never known accurately until the first day of Summer School. In addition, the altogether too rushed six-week period was by this method reduced by one day. For all these reasons, it seemed wise to change the method of enrolling students and to introduce a system whereby they enrolled by mail or in person prior to the beginning of Summer School. This major change was accomplished smoothly and as a result, it was possible to anticipate with reasonable accuracy, the size of classes, the need for additional instructors, and indeed the necessity for the cancellation of one class in which insufficient enrollment appeared.

Another change in the operation of the Summer School and Extension Department was the decision to stop offering tutorial classes previously held in some cities in Northern Ontario as well as the withdrawal of the University of Western Ontario from such centers as Waterloo, Galt, and Orangeville. In the latter case, Waterloo Lutheran University was asked to assume responsibility for courses formerly organized by the University of Western Ontario in the area of Waterloo, Galt, and Orangeville (for some years, most of the instructors for such classes were staff members of Waterloo Lutheran University), while the University of Western Ontario began the task of expanding its Extension classes, taught by University of Western Ontario staff, in a much more concentrated area of approximately 100 miles radius from London. In a sense, this latter area is now regarded as the community which the Summer School and Extension Department attempts to serve. A substantial reduction in numbers of students enrolling in Extension classes resulted from these policies,

slightly less than 1000 students registering as compared with approximately 1500 the previous year. One of the problems facing the students who undertake their University work on a part-time basis, is the forward planning necessary in order to ensure that the appropriate choices are available far enough ahead so that a systematic plan of action can be developed. We are attempting to assist in this, publishing a list of courses to be offered both in Summer School and in Extension classes for the period of time six years in advance. This should enable students to plan systematically for their course work. Naturally, such programming enables the departments concerned to plan the disposition of their staff resources more systematically as well, which is an increasingly critical aspect of current academic life.

The non-credit courses (they might more accurately be termed Liberal Arts Studies) have continued to attract a modest sized, but significant group of students from off campus. Two years of experimenting with a wide variety of subject matter in course offerings encourages the view that with adequate resources of planning and staffing, this aspect of the department's work could be greatly expanded in the interest and to the advantage of both the University and the community.

During the past year, this department has been associated in an educational advisory capacity and an administrative capacity, or both, with eight seminars and institutes. These include "The London Council for Adult Education", "The Responsibility of a Community for the Treatment of Mental Illness", and "The European Common Market" (Canadian Institute of International Affairs). Such activity suggests another type of contribution which the University can make to the community and in which this department should provide leadership.

During April and May, the director visited a number of universities in the United Kingdom. Discussions were held with Departments of Extramural Studies, Departments of Business Administration, The Administrative Staff College at Henley, and The European Institute of Business Administration at Fontain Bleu. The main question being discussed was problems of continuing education in changing society.

During the latter part of the year, extensive investigation was carried out with respect to the possibility of having an

educational TV course offered in Summer School 1963. Arrangements were made with The Department of Economics for Professor Peitchinis to give the course. With the cooperation of CFPL-TV, The Bell Telephone Company, The Admiral Corporation, and Minnesota Mining (who provided appropriate video tape for us at a very low cost), the first TV course to be given on this campus was well advanced for its opening session July 3rd.

Preliminary discussions have been proceeding with representatives of the Department of Veterans' Affairs in London, which it is hoped will eventually lead to many of their employees undertaking work at the University, which might be offered in such subject areas as Psychology, Sociology, and which would in time, if completed at an appropriate level of competence, qualify such students for a certificate. The Advisory Committee to this Department has reviewed the general principles involved and has recommended the subject matter to be included in such a program. If a recommendation is eventually made with respect to such a program leading to a certificate, it may be that this will be considered a useful way in which a number of people engaged in occupations for which University courses can be helpful, might have access to University work and such work lead to some type of certificate or other mark of appropriate accomplishment. It would appear that an increasing number of people in our general community would be interested in university work of this type, but are not interested in undertaking the necessary number of courses to achieve a degree.

In summary, the year just passed has been one of change and, it is hoped, increasingly effective operation. We see a number of trends leading us in the general direction of much more extended contact with the community. For example, we are being asked to provide a variety of courses, some for credit, some not for credit, and increasingly, our services as a University are being called upon by a great variety of occupations, in addition to our traditional function of providing our part-time courses principally for the elementary school teacher. The additional question of whether or not the University can contribute positively to the continuing education of graduates now working in a variety of occupations, is a matter which demands our considered opinion and urgent attention.

TROIS-PISTOLES SUMMER SCHOOL

Report of the Director - T. J. Casaubon

Student enrolment at the Trois-Pistoles Summer School was divided as follows: seventy-one students were registered in the French course, fifty-nine in the English course and sixteen in the Painting course. Thirty-five students registered for the Art Appreciation course given in the evening by Mr. Louis Belzile.

Both the academic and recreational programmes ran smoothly.

Due to an increased enrolment, we have now established five sections for French, three of which offer credit courses. Mr. S. Stanutz took over the duty of instructor for the beginners' section. Mr. Achille Ferland has been assigned to the teaching of phonetics for all the French sections.

Primary school teachers from the Province of Quebec attending our School of English under the auspices of the Department of Public Instruction are now being given a course in methodology for the teaching of English. This adds three hours of classes a week to their programme. The Universities of Montreal and Laval are now granting a certain number of credits in English to the Quebec school teachers who have satisfactorily completed our course of English and wish to work towards a B.A. degree.

The bilingual conversation periods in the afternoon were under the leadership of M. Clément Paradis and Mr. James Coulton.

Mr. Wilfrid Parisien once again organized and conducted the course in methodology for the teaching of oral French in English primary schools.

Congratulations are due to Mr. Achille Ferland who organizes and directs a student choir three evenings a week. The choir practices are very popular as they provide opportunities of singing in both languages and enable the students to make a contribution to our annual radio programme in Rivière-du-Loup.

The Director of the school as well as Mr. Clément Paradis and two students were invited to present a half-hour televised

discussion in Rimouski. 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. Theodore, Mr. R. Legault, Mr. Gilles Robert and Mr. M. Lafratta.

We regret the departure of Mr. R. Legault from our Staff. This distinguished teacher served with our Staff for seven summers and made a valuable contribution to the work and life of our School.

We regret the loss of Dr. Marcel Catellier, a member of our Advisory Committee and a former Mayor of the Town of Trois-Pistoles. Dr. Catellier died in November after a lengthy illness.

The following have been added to our Advisory Committee: Mr. Armand Gagnon, Mr. Gratien Gagnon, Mr. Elysée Rioux.

THE UNIVERSITY LIBRARIES

Report of the Chief Librarian - J. J. Talman

This year was the first with the addition to the Lawson Memorial Library Building fully in operation, the new wing having been opened at the close of the previous year. We greatly appreciate the close cooperation of Mr. John Shortreed, Superintendent of Buildings and Grounds, Mr. R. M. Yeo, Assistant Superintendent, and the staff of their department, in supplying and constructing the many new units of various sorts needed in the addition. At all times they gave thoughtful and practical consideration to the many problems which arose.

The long-awaited facilities were put into immediate use. The extra seating capacity in the reading rooms has enabled the library to maintain the desired ratio of seats to student enrollment. In addition, the two open-access reading rooms and the Periodicals Reading Room have made the most actively used books and periodicals readily available to the entire student body and thereby have relieved pressure on the main desk. The new stack wing already houses a considerable number of volumes. The Bibliographical Centre is proving of great help to library staff, faculty, and graduate students; in addition to bibliographical works, it contains reference books of a specialized nature.

The most welcome feature of the new wing was the space for the ordering and technical services. These departments had not shared in the earlier expansion of library facilities, either in the Lawson Memorial Library or elsewhere on the campus, and the lack of space was a serious handicap to the efficient operation of the library. Without more space the staff could not have coped with the vastly increased purchases; indeed, in some cases it had become impossible to hire staff for there was literally no place for them to work.

Additional library facilities, off the main campus, were opened during the year. A small reading room was in part-time use at the College of Music. The H. A. and W. J. Stevenson Medical Library opened on January 2, 1963. Dr. Bishop, Assistant Librarian - Medical, had been gathering material for this library for some years with the result that a small collection was available when the building opened.

While the strain is at least temporarily removed from the Lawson Memorial Library it is perhaps appropriate to voice concern about the reading rooms of the Physics and Chemistry and the Biological and Geological Sciences Buildings. There the shortage of space is acutely felt now, both for bookshelves for the increasingly large collection and for tables and chairs for readers. In fact, as more and more books are added, it becomes necessary to reduce the seating capacity to make room for additional stacks. The construction of the Composite Science Building, which includes generous provision for library facilities, is therefore eagerly anticipated. Moreover, considerable economies will be achieved by the setting up of one strong central science depository in place of these two reading rooms.

Shortly after the year began, the Graduate Studies Programme of the Ontario Government, to take effect in July 1963, was announced. Inevitably the library is one of the principal recipients of financial aid under this programme, and this assistance in the purchase of expensive material is welcomed. Planning for the large expansion in our holdings of graduate research material began immediately. Some idea of the work involved in the programme can be gauged by the fact that the library budget for the forthcoming year, 1963-64, is increased by more than 60%, over half of which can be accounted for by the needs of this programme. The hiring of additional staff and the processing of the first orders had been completed before the year ended.

Because so much of the graduate material being acquired is in microphotographic form, it was necessary to add to the number of microcard and microfilm readers already available. The total of such readers throughout the various libraries now stands at 18, an increase of six. One of the readers is also a printer; it is a recently-designed piece of equipment which enables scholars to make photographic copies of microfilm they want.

A new problem faced this year was the shockingly large loss of books. As a result we have had to impose even stricter controls on the stacks in the General Library and have had to move the entire charging unit in the Middlesex College Reading Room.

Accessions

Total accessions were 16,928. This is lower than the figure for the previous year which was abnormally high because in 1961-62 the Law Library was still making large initial purchases. In that year, for example, the National Reporter and American Digest Systems, comprising almost 5,000 volumes, were added. Totals for all faculties other than Law were, of course, higher than in 1961-62.

A factor to be borne in mind when considering total accessions is that acquisitions on microcard and microfilm, which constitute an increasing proportion of the library's holdings, are frequently considered as single accessions statistically although such acquisitions may represent the equivalent of many volumes. For example, a 221-volume work recently purchased on microcard shows as a single accession.

The number of periodical subscriptions rose by more than 300, again reflecting the emphasis on graduate work. The university libraries now subscribe to some 3,200 periodicals.

The Library continues to purchase photographic copies of works which are no longer in print and which cannot be obtained second hand. New developments in this field have been noted and new suppliers found. The high cost of reproduction by this method remains a problem, but there is no doubt that photographic copies have helped overcome the difficulties posed by the out-of-print book for there are still insufficient reprints of much-needed old works.

Undergraduate requirements continue to be watched closely. The increasing enrollment has necessitated the acceleration of the buying of multiple copies of the most used books. During the latter part of the year under review a sum in excess of \$7,000 was spent on such works alone, the totals of which will be reflected in next year's accession figures. This sum is in addition to that spent on works for the Middlesex College Reading Room where, of course, all books are duplicate copies of ones held in the Lawson Memorial Library.

Circulation

	<u>1961-62</u>	<u>1962-63</u>
General Library*	96,931	85,347
Middlesex	9,628	8,200
Biology and Geology	2,960	3,543
Physics and Chemistry	2,225	1,958
Business	8,552	9,110
Engineering	1,740	2,509
Nursing		5,231
Music (opened on a part-time basis from Nov. 1962)		350
Law	3,228	3,847
Medicine	13,556	15,872

*Includes circulation in reading rooms of the Lawson Memorial Library Building.

As was foreseen in last year's report, there has been an apparent drop in circulation in the General Library. The two new open-access reading rooms there, with some 14,000 books, have been heavily used, but students consult many volumes directly from the shelves without being required to fill out a circulation card for the purpose and there is no statistical record of this. Indeed the unrecorded use made of books and periodicals in all the reading rooms is so great that one is entitled to conclude that circulation statistics are at best an imperfect indicator of the extent to which students use the library.

Interlibrary Loans

General Library

	<u>Outgoing</u>	<u>Incoming</u>
1961-62	681	1,040
1962-63	764	1,278

Medical Library

	<u>Outgoing</u>	<u>Incoming</u>
1961-62	812	270
1962-63	843	318

It is worth noting that of the 764 items outgoing from the General Library, 179, almost 25%, were supplied in Xerox form. In effect this means that rare material is not risked in the mails and placed out of circulation for a time in our library.

Other Activities

Work continued on the setting up of a catalogue for the increasingly large collection of books and periodicals in the Reading Room of the Kresge School of Nursing, and this was well on the way to completion before the year ended. The preparation of some 3,000 catalogue cards was involved in the process.

The library's regional history publications continued to appear throughout the year. Of particular interest was Western Ontario History Nugget, No. 30, "The Poems of Adam Hood Burwell, Pioneer Poet of Upper Canada", edited with an introduction by Dr. Carl F. Klinck of the Department of English, University of Western Ontario. This is the first collection of the poems of Burwell, "the first native-born poet of Upper Canada", and as such is a distinct contribution to Canadian literary history. It has been well received.

Staff Activities

Dr. J. J. Talman attended the Royal Society and Canadian Historical Association meetings in Quebec, and the Ontario Historical Association meeting in Toronto. In June he acted as chairman at the ceremony of unveiling a National Historic Sites and Monuments Board plaque to Duncan Campbell Scott, in Ottawa, and once again served as chairman of the Microfilm Committee of the Canadian Library Association.

Dr. John McLaughlin was invited to teach the courses being offered at Western Reserve University in Cleveland, Ohio, by the distinguished student of the French Revolution, Professor John Hall Stewart. We are grateful to the University Administration for granting permission for Dr. McLaughlin to be absent during the second semester, February to June 1963. While in Cleveland he was able to spend a great deal of time in the libraries of Western Reserve and Case Institute of Technology and to investigate new commercial copying processes not available in Canada. In May he arranged for Principal Kerr of Middlesex College and the Chief Librarian to spend a day visiting libraries and the Center for Documentation and Communication Research of Western Reserve University in connection with the Graduate Studies Programme. Dr. McLaughlin attended the annual meeting of the Society for French Historical Studies held at Harvard University in April.

Miss Jean Elson and Miss Ruth Sanderson attended the Ontario Library Association meetings in Waterloo in May. Dr. Olga Bishop also attended these meetings and was elected Councillor for two years to the newly-formed Ontario Association of College and University Libraries. Dr. Bishop also attended the meetings of the Committee on Medical Science Libraries of the Canadian Library Association and the second International Congress on Medical Librarianship, the latter held in Washington in June.

Gifts

Once again the library was the recipient of many books and journals. Among the donors was one of our faculty, Dr. F. K. Montgomery, of the Department of Romance Languages, who not only continued to add to our file of the Canadian Alpine Journal but secured for us a rare early issue needed to complete our holdings. Mr. and Mrs. Bernard Wolf of London allowed the

library to select all volumes of use from their collection. Some 40 were chosen. Mr. A. K. North of Canada Pharmacal Company Limited, London, again presented a complete year of Chemical Abstracts. The shelves of the library bear witness to his generosity over many years. An unusual and welcome gift came from the Ministere des Affaires Culturelles of Quebec: it included some 40 works by French Canadian authors on a wide range of subjects. The Student Chapter of the Chemical Institute of Canada presented the new edition of the Handbook of Chemistry and Physics, an expensive work.

The Canada Council gave \$2,500 for the purchase of material for the College of Music.

We are grateful to the Hon. E. Davie Fulton who gave \$424 for the purchase of 106 volumes of American Reports Annotated for the Law Library.

From the estate of the late Mrs. Sarah Sherman came a bequest for \$200. This sum is being used to buy books for the Faculty of Law.

The Medical Library received 3,822 items, many of them single issues of journals. The libraries of the late Dr. J. E. Hunter, Ottawa, and the late Dr. T. J. Gowan, Hornings Mills, were given to the Medical Library, and the Dr. J. W. Crane Library of Medical History was checked and catalogued during the year. Dr. W. A. Jones (Med. '14) presented a bound copy of his reprints on Cherubism. The College of Physicians and Surgeons of Ontario gave the library \$300 and the Hippocratic Society gave \$50. The H. A. and W. J. Stevenson Medical Library received valuable runs of some of the most used clinical journals from the libraries of Dr. F. S. Brien and the family of the late Dr. Alan Douglas.

Staff Changes

It is gratifying to be able to report that there were few resignations. Miss M. De La Haye returned to the United Kingdom after more than four years with the library. Mrs. Nancy Brinen and Mrs. K. Poznan resigned for family reasons. Miss K. Beretta and Miss Lesley Hill resigned from the Medical Library, the former to resume her studies, the latter to return to her home in South Africa.

Library expansion is reflected in a further increase in the size of the staff. The cataloguing department of the General Library was fortunate that Mrs. H. Yake, a highly experienced librarian, agreed to join the staff on a part-time basis. New full-time staff appointments are Mr. John Black, Mr. Max Boyko, Mr. Mervyn Colley, Mr. John Hoover, Mr. Clarke Leverette, Mr. Edward Phelps, Miss Ivy Bertrand, Mrs. S. Bryan, Mrs. A. Hansen, Mrs. H. Kreek, and Miss Emma Missabie.

Securing staff remains a problem in Canada and the United States as the shortage of librarians is acute. Although the number of Canadian library school graduates has doubled in the past three years, there are still insufficient numbers to meet the ever-growing demand and every year many vacancies go unfilled. A special problem is posed for university libraries faced as they are with phenomenal demands for expansion of holdings and services. The library continues to seek a solution to the difficulty by looking for future staff amongst the many students it employs part-time and indeed in the university student body generally. Those who show an interest in and capacity for library work are encouraged; in the past year the number of Western graduates at library school was larger than ever. Moreover, financial assistance may be offered to promising candidates to study at a library school. This year one such person was assisted from university funds kindly made available by Dr. R. A. Allen, Dean of Graduate Studies. The student has since joined the staff. This is a useful recruiting method and will be continued whenever suitable candidates are available.

The libraries enjoyed a successful year in a large measure attributable to the wholehearted and harmonious cooperation of the entire staff. Their contribution is recorded with appreciation.

MUSEUM OF INDIAN ARCHAEOLOGY
AND PIONEER LIFE

Report of the Honorary Curator - Wilfrid Jury

During the past eleven years the University Museum has been engaged in four major archaeological and historical projects, three of them on the southern shores of Georgian Bay in the district known as Huronia.

At the close of the excavations at the Jesuit Mission - Fort of Sainte Marie near Midland, we were asked to examine and develop the old Military and Naval Establishment at Penetanguishene, a few miles distant. A naval base was first established there in 1814, and a military garrison in 1829. Both were abandoned in 1856. This was a challenging proposal, involving both historical and archaeological research on a site that was colourful and historically significant.

In 1952, accordingly, we moved our headquarters to Penetanguishene. The area under study was in part heavily wooded, and in part planted in hay. The one remaining building, the Officers' Quarters, was a beautifully proportioned, well-built stone structure in a deplorable state of disrepair. The historic area could be approached only through Ontario Hospital grounds.

Since 1952, twenty former building sites have been discovered and excavated. Extensive research has been carried on in libraries and archives. Under our direction heavy undergrowth and hundreds of trees have been removed and paths have been opened. The area now presents an attractive park-like appearance with former building foundations marked and in some cases, designated by plaques erected by the Ontario Archaeological and Historic Sites Board. "The Establishments at Penetanguishene - Bastion of the North", a 54-page booklet written by my wife and myself in 1959, reviewing the archaeological work, and presenting the history of the post, has this summer been brought up to date and re-published in a second edition. The Officers' Quarters has been rehabilitated and, as far as possible, furnished as it might have been in the 1830s and 1840s. Many of the articles on display are loaned from the University Collections.

The work at Penetanguishene has been accomplished with financial grants from the Department of Education, the Department of Travel and Publicity, and with the assistance of prison workmen, loaned by the Department of Reform Institutions, who have done most of the heavy labour. The co-operation of the town of Penetanguishene has been essential throughout.

During the past summer a group of some twenty prisoners cleared the shore line. Our research crew discovered and examined the site of the naval blacksmith shop built in 1817, and the site of the Masonic Arms, built in 1819. This was the first canteen and one of the earliest hostels in Upper Canada. Many illustrious people were its guests, including Sir John Franklin while he outfitted boats for his second Arctic expedition. The Masonic Arms is of interest, too, as one of the first meeting places for Freemasons in this province.

The Officers' Quarters Museum attracted some 10,000 visitors from June 1 to September 1. Numerous school classes were conducted through the Museum and over the historic area, with explanatory talks planned to integrate with the Ontario school programme for Canadian history. Two University women students were employed as guides and especially trained to present an interesting account of the history of the area and of the various facets of naval and military life at such a post.

For the past few years the Officers' Quarters Museum has been self-sufficient, with door receipts covering the salaries of the two guides and a caretaker. Government grants have been utilized for research and development. Our offices are in the Museum building where two students are engaged in mapping, cataloguing, preparing charts, reports, and other duties that arise from the excavations of the summer.

Closely related to the Establishments at Penetanguishene is the Nottawasaga military route, from Kempenfeldt Bay (Barrie) to the mouth of the Nottawasaga River (Wasaga Beach), which was a vital link in communications between York (Toronto) and the Western posts during and after the War of 1812. Since 1955 we have traced the Nine-Mile Portage opened in 1814, and located and examined the foundations of buildings of a Commissariat storage post at the end of the portage near the headwaters of the Nottawasaga.

In 1962 and 1963 we located and examined four building sites at the Naval base established at the mouth of the Nottawasaga after the burning of the "Nancy". On early maps of the Royal Navy it appears as Schoonertown, the dock yard and wintering place of His Majesty's Schooners on the Upper Great Lakes. In 1817 the Naval base was permanently moved to Penetanguishene.

It was in the summer of 1954 that we commenced the examination of a pre-historic Huron village site about ten miles south of Penetanguishene. Heretofore in Huronia we had worked on historic 17th century mission sites. The Forget Site (called after the owner) has proven of tremendous interest in the study of Huron village life and in defining Huron cultural traits. It is probably the most completely excavated site in Ontario.

This work has been accomplished by our Summer School of Indian Archaeology, held each season during the early weeks of July. The students' fees and a small government grant have financed the undertaking. Over the past thirteen years some two hundred persons have been introduced to methods of archaeological field work, at the same time gaining new and exciting insight into the past.

Simultaneous with the first Forget dig, a bold decision was made by the Curator and the Board of Governors of the University to undertake a project that had hitherto been untried in Canada. With the financial backing of the Midland Y's Men, we agreed to supervise the construction of an authentic Huron Indian Village in Little Lake Park, Midland, based on the results of the excavations. The Y's Men, with the proceeds of the first year's operation, purchased the Forget Farm, thus assuring that the excavation would continue without interruption. They had in mind also that at some time in the future an Indian village might be reconstructed on the actual site. This could be a major educational venture, portraying every facet of Huron Indian life. It is, in fact, now under consideration by the University and the Y's Men.

In the meantime, the Indian Village at Midland attracts 40,000 to 50,000 persons annually. During June 1963 there was an average of 800 school children daily, from all parts of the province, who visited the village and to whom the University Curator gave twenty-minute talks on Indian life.

The University has maintained complete supervision of the Indian Village and four women students especially versed in the subject are employed as guides. We are proud to state that the University of Western Ontario guides at Midland and Penetanguishene are acknowledged to be unsurpassed in the province for courtesy and for the informative content of their tours. All financial return from the Indian Village goes to the Y.M.C.A. in Midland.

Displays of material excavated at the Forget Site, and at the site of St. Louis (excavated 1951-3) are maintained in the Huronia House Museum, Midland.

The fourth project of the Museum is the Pioneer Village at Fanshawe. The Upper Thames Valley Conservation Authority has set aside 125 acres for the purpose of developing a pioneer community typical of the London area. The University Museum has prepared a long-term plan for this project and is supervising the building of houses, stores, and tradesmen's shops. The pioneer material that has been collected over the past thirty years, and has been until now in storage, is displayed at the Fanshawe Pioneer Village in its natural setting.

In 1963 a large two-storied log barn was added, in which is a magnificent collection of carriages and sleighs, donated by the late Mr. Arthur Little. A recent valuable addition is the home of the London artist, Paul Peel. The gift of any object made or used by the Peel family will be gratefully received for the furnishing of this house.

This summer, interest at Fanshawe Village centred in the weaver's shop - an original building moved from Melrose, where a weaver plied his trade, and in the blacksmith's shop where a blacksmith worked, mostly on ornamental iron pieces that were sold as souvenirs.

Each of the four projects outlined has proven a successful venture, and there is every reason to believe that they will continue to develop. For the University, the door is open for continued educational service to the people of Ontario. Each of the projects plays a unique role and has reached major proportions both in research and in the portrayal of our history. Each is of

sufficient interest and importance to warrant the individual attention of a competent administrator. The University of Western Ontario, having had the vision to pioneer in the field, must face the responsibility of continuing the leadership which the province of Ontario has come to expect.

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The Museum displays in Middlesex College are changed regularly and continue to attract the attention of students. More school classes have visited the model Indian and pioneer village displays than in several years previously.

In the spring of 1963 an outstanding sword collection was donated by Colonel Ibbotson Leonard, for which a wall case was built. The gun collection continues to grow, our particular interest being guns made by the Soper family, early London gunsmiths of distant renown.

DEPARTMENT OF THE DEAN OF WOMEN

Report of the Dean - Leola E. Neal

Registration

A year ago there were 1,152 women students in the constituent University, this year there are 1,291. This represents an increase of 10.1%.

In the constituent University 31.93% of the students are women and most of them (920) are full-time undergraduate students in the Faculty of Arts and Science. It is interesting to note that there are 34 women registered in the College of Music, 1 in the Faculty of Engineering, 56 in the Faculty of Medicine, 2 in the Faculty of Law, 6 in the School of Business Administration, 231 in the School of Nursing and 41 in the Faculty of Graduate Studies. Of the 974 students in the affiliated colleges, 398 of them are women. Women registered at Brescia and Huron Colleges take their required natural science and an occasional arts course at the constituent University.

Student Activities

The women students have once again played an important role in extra-curricular activities. Their interests are varied and several of them have received Honor Awards for their unique and distinguished service to student government. Two of the four coveted U.S.C. Honor Awards were won by women. Two women received Publications' Gold Keys and two women were given Performing Arts awards.

The Council of the Undergraduate Women's Organization had a busy year. It sponsored the Co-Ed Ball, Freshette Luncheon and Coke Party, and as well a supper party for city freshettes and first-year students not in residence. The Council as usual provided a bursary.

There are three Greek letter organizations for women on this campus. The total membership is 137. The sororities are strong, well-organized groups and their members make a real contribution to campus life. In the comparative academic standing report for the 11 fraternities and sororities, two of the women's

groups, Kappa Alpha Theta and Pi Beta Phi, ranked first and second. Gamma Phi Beta was fifth. The quality point average for women was 1.599, for men 1.366.

On the whole the women students had excellent academic records. Of the 54 Ontario Scholars registered at Western, 31 were women. Although they constitute a minority group they win about half of the admission scholarships and half of the gold medals on graduation. At Spring Convocation two women received the M.A. degree, two the M.Sc. degree, and one the Ph.D. degree.

Spencer Hall

The number of applications and inquiries about Spencer Hall continues to increase. Additional residence accommodation is urgently needed. Of the 395 applicants only 104 were able to live in residence; 91 freshettes, 11 upper class students and 2 transfers from other universities.

There were four special groups at Spencer Hall during the summer. One of them, the Secondary School Principals' Course Part One was in residence from July 1 to August 3.

The 1962-63 Spencer Hall Council set aside funds for a contribution to the Student Welfare Fund.

Miss Shirley Mason, B.A. (Queen's), was appointed Acting Warden and assumed her duties on July 1st. Miss Mason has enjoyed her work with the students and in their opinion she has been very effective. Spencer Hall under her guidance has had another very successful year.

University Housing Committee

As Secretary of the University Housing Committee appointed by the Board of Governors it is gratifying for me to report that the Housing Bureau was in operation full-time for 11 weeks (July to October). During that period 1,151 students were placed, an increase of 55 over last year, and an increase of 107 over the record high of 1958. Mrs. Browett was in charge of the Housing Bureau and she was assisted by Mrs. Brock. The members of the University Housing Committee wish to express their thanks to Mrs. Browett and Mrs. Brock for the gracious and courteous way in which they handled the numerous and varied housing problems.

Counselling

More and more time is devoted to personal counselling . Students make appointments for interviews and discuss their varied problems. Personal counselling is concerned not only with emotional problems but with those problems which are associated with study, housing, employment and finance. Members of the Faculty and the Administration frequently refer students for help. When a Faculty member takes a special interest in a student with problems and refers her it is much easier to help her. This co-operation is much appreciated.

In counselling students one becomes acutely aware of the importance of scholarships, bursaries and loans. Without such financial assistance many bright, conscientious students would not receive a university education. It is a pleasant duty to acknowledge and express gratitude for assistance from governmental agencies, industry, special groups, foundations and private individuals.

DEPARTMENT OF THE DEAN OF MEN

Report of the Dean - T. L. Hoskin

Number of Men Students

There were 2749 men registered as full-time intramural students in the Colleges and Schools of the Constituent University in 1962-63. This is an increase of 336 men over the previous year.

Counselling

Individuals of all ages have problems and need help. University students are no exception. Each student is different by reason of his health, background, abilities, and interests. Because of this their needs vary and this office endeavours to provide services to meet these needs. Counselling is the most important and most time-consuming of these services.

Contacts with students in what often appear as routine administrative functions often uncover at an early stage personal and psychological problems that might otherwise be missed. The Registrar's Office refers all students who wish to withdraw during the year and about one out of three remain. This kind of referral by academic as well as administrative departments is very important. In the counselling of students with psychological problems the staff of the Health Service Office and Dr. Murray Boyce of Victoria Hospital have been particularly helpful in providing therapy for disturbed students.

It is quite impossible for this office to identify all of the students with problems affecting their academic progress. Some faculty members have been particularly helpful in identifying students with problems and referring them to this office. The Faculty of Engineering Science, in cooperation with this Department, has organized a Faculty Adviser Programme that is simple, easily administered and not particularly onerous for the student or the adviser. Its purpose is the early identification and solution of student problems. It makes certain that from the very first week each student is recognized as an individual by at least one member of faculty who knows him by name and is personally interested in his progress. Students, like most people, try a little harder to succeed if they feel that "somebody cares".

Student Financial Assistance

During 1962-63 this Department processed and recorded 1541 awards to full-time graduate and undergraduate students. These awards were in the form of bursaries, grants and loans for a total of over \$500,000.00 not including scholarships and fellowships. The distribution of these awards by course, academic year, kind of award and amount, was prepared in a 45-page report to the President last May and is too large to be used here as an appendix.

It is indeed encouraging to observe that the amount of aid from Government, Industry and private benefactors has been increasing to date in proportion to the enrolment. If this continues, and most people feel that it must, it will still be possible for any student with the ability and desire to attend this University to do so despite limited family resources.

Placement

The Placement Office provides a service to the student, the employer, and the University. For the graduate seeking employment it is his gateway to the future. During the year it provides information and counsel to students interested in various careers. It provides a placement library with an ample supply of reading materials and arranges on-campus facilities where students and employers make valuable contacts.

In February 1963 Dean D. F. Dadson, College of Education, Toronto, accepted an invitation to speak to graduates interested in secondary school teaching and over 300 students attended this meeting in Middlesex Theatre. Information on 264 graduates wishing to start teaching in September 1963 was sent to 375 secondary school principals and School Boards in Ontario. Interview schedules and interview rooms were provided for representatives of thirty-five schools. All of Western's 1963 graduates who wished to teach in a secondary school received offers of employment.

On-campus recruiting lasted from January 10th to March 1st, 1963, during which 105 employers held a total of 1325 interviews with graduate and undergraduate students. Until the recent substantial increase in enrolment it has been difficult but not impossible to provide interview rooms for people who come to the University to interview students. It is hoped that space to provide four to six

small interview rooms can be found in one of the new buildings because the need for such space is really quite urgent.

Medway Hall

The following were on the staff of Medway Hall in 1962-63:

Warden: W. Cameron Henry, Ph. D.

Assistant to the Warden: Alan T. Olson, M. A.

Dons: Alan T. Olson, M. A.; Felix Atance, M. A.;
William J. Morris, M. A.

Secretary: Mrs. Grace Spencer

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

- | | |
|------------------------------|---|
| A. H. Johnson, Ph. D. | Professor and Head,
Department of Philosophy,
University College |
| D. R. Ladd, D. B. A. | Associate Professor,
School of Business Administration |
| R. G. E. Murray, M. D. C. M. | Professor and Head,
Department of Bacteriology and
Immunology,
Faculty of Medicine |
| R. W. Nicholls, Ph. D. | Professor of Physics,
University College |
| E. G. Pleva, Ph. D. | Professor and Head,
Department of Geography,
University College |
| I. C. Rand, LL. D. | Dean,
Faculty of Law |

G. L. Reuber, Ph. D.

Associate Professor,
Department of Economics and
Sociology,
University College

H. B. Stewart, M. D.

Professor,
Department of Biochemistry,
Faculty of Medicine

R. J. Uffen, Ph. D.

Principal, University College
Lecturer,
Department of Geophysics

For the regular academic year, 1962-63, 813 applications were received and the residence was filled at all times. During the summer of 1963, 135 summer school students, 27 graduate students, and 1281 others in special groups were also accommodated in Medway Hall and in a few of the new Houses of Sydenham Hall. The appointment of Major R. A. Virtue as Business Manager of University Residences helped materially in the effective handling of many applications and other administrative matters connected with the use of the residences.

Foreign Students

In 1962-63 Western enrolled 153 non-Canadian students representing 47 different countries. Of these, 70 were graduate students and 83 were undergraduates. Almost 8,000 non-Canadians were registered in Canadian universities and this number is expected to more than double by 1970-71.

The table on the following page shows the distribution of Western's non-Canadian students.

<u>Country</u>	<u>Graduate</u>	<u>Undergraduate</u>	<u>Totals</u>
United States	7	19	26
United Kingdom	8	10	18
India	13	3	16
Pakistan	10	-	10
Caribbean Area	3	23	26
Hong Kong	8	4	12
Far East (Singapore, Malaya, Burma, Japan, Ceylon)	8	4	12
Europe (excluding U. K.)	2	6	8
Africa (excluding South Africa)	1	12	13
South Africa, Australia, New Zealand	7	1	8
<hr/>			
Total Number:	70	83	153
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Several local groups generously devote much time to provide a warm welcome and considerable hospitality to these students. To co-ordinate the efforts of these organizations, prevent overlapping of services, and provide assistance whenever possible, Mr. B. G. Wells of this department formed a co-ordinating Committee. The achievements of this Committee and its member organizations have been many in this first year of its existence. To all those who contributed to the success of its efforts I give my sincerest thanks.

Fraternities

Our fraternities have good reason to be proud of their achievements in the past year. The total picture of fraternity scholarship was good and several honours and awards were won by our Chapters and their members. The maintenance of the Chapter Houses was never better and several were redecorated inside and outside.

It has been particularly gratifying to see the active and alumni members working so closely in the interest of fraternity affairs. This trend has had a fine influence on our fraternities and undoubtedly is responsible in large measure for the success of the past year.

Epsilon Omicron Chapter of Sigma Chi won the Sigma Chi Foundation Award, the Order of the Scroll, and \$150.00 in books for its library.

The members of Delta Alpha Chapter of Beta Theta Pi won eleven scholarships and honour awards. In November, 1962, the Chapter held its Tenth Anniversary with 100 alumni returning for the occasion, and in February, 1963, it was host for the District IV Conclave with delegates from Toronto, Syracuse and Cornell Universities.

Delta Upsilon had five of its members on the Dean's Honour List and produced a chapter scholarship average to lead all other chapters in Province VII.

Alpha Kappa Kappa won the U. W. O. Interfraternity Scholarship Trophy for having the best scholarship average in competition with all of Western's fraternities. Seven of its members won scholarships and prizes for academic achievement.

Phi Delta Theta purchased a new chapter house at 16 Craig Street, and Alpha Kappa Kappa purchased a new chapter house at 617 Wellington Street.

The Dean of Men wishes to thank the Undergraduate and Alumni Councils for their interest and help in fraternity affairs at this University.

PLACEMENT OFFICE

Report of the Placement Officer - Bruce G. Wells

Introduction

If one were to decide upon an appropriate motto for the staff of the University of Western Ontario Placement Office, it would have to be "Service to the student; Service to the employer; Service to U. W. O."

Such service is not limited to the confines of the campus, for even though the placement operation is supported by Western, its functions reach far beyond the academic environment. It is, in a sense, a crossroads where the traffic of students going from the campus meets that of employers coming to the campus. But it is an even busier intersection than that; meeting there also are the faculty, the administration, the alumni and the many others who come to seek information or guidance. Some consider the placement office as the graduate's gateway to the future; however, for the alumni it is often a port of call when they need advice or information.

Western's placement office attempts to help students:

1. By providing counselling and information to help them plan their careers.
2. By maintaining a placement library with an ample supply of reading materials on careers and employing organizations.
3. By stimulating and encouraging each one to attain his own individual goals.
4. By providing on campus facilities where students and employers can make valuable contacts. Students are able to make broad contacts in a minimum amount of time with little expense involved.
5. By supplying supplementary information about other advisory services on the campus and in the city.

Various programs have been developed at U. W. O. to achieve the above goals. A description of each follows:

Secondary School Teacher Placement Program

Much has been said about the teacher shortage in secondary schools. The Department of Education estimates that 2400 new teachers are required in Ontario Secondary Schools for September 1963. In the Ontario College of Education 1962-63 winter program less than 500 teachers were enrolled and 1900 additional university graduates are needed to fill the classrooms next September.

The University of Western Ontario Placement Office worked closely with the Department of Education and Secondary School principals of this Province. In February 1963 more than 300 graduating students filled Middlesex College Theatre to hear Professor D. F. Dadson of the Ontario College of Education speak on secondary school teaching and the various ways to qualify for teaching positions. Representatives of the Department of Education and the Secondary School Teachers Federation also addressed the group.

The University Placement Office sent information on 264 graduating students to 376 secondary school principals and School Boards in Ontario. More than 80 school principals wrote or phoned the Placement Officer to obtain additional information.

The University provides facilities for school principals to interview students on campus. Twenty-one Boards of Education representing approximately thirty-five schools visited U. W. O. and conducted 264 student interviews on campus. Additional interviews were arranged off campus.

Approximately 275 Western graduates accepted teaching positions for September 1963. Starting salaries range from a low of \$4,400 per year for students who will be teaching with letters of permission to over \$6,000 per year for some outstanding Honours graduates in selected courses.

Secondary school construction contracts are heavy and we anticipate a continuing demand for graduates in 1964.

Government Placement Program

Federal

As Civil Service functions continue to grow and become more complex the need for added professional staff becomes imperative. All levels of government are depending more and more on University Placement Officers to help with their recruiting campaigns, to inform students of the opportunities available, to organize and supervise Civil Service examinations, to advise on the specific capabilities of various students, and to organize and co-ordinate recruiting visits.

The Placement Officer is the Liaison Officer for the Federal Civil Service Commission at this University and is informed of all the Professional positions for which the Government of Canada is recruiting. Some of these positions are at senior departmental levels and require experienced staff.

Fifty-four students wrote the Federal Civil Service examination at U. W. O. in November 1962. Eight students were interviewed by the Foreign Service Selection Board and twenty-three students were interviewed by the Domestic Service Selection Board. Results of the above program are not yet finalized, however, the 1961-62 results merit some attention. In that year the percentage of successful students from U. W. O., out of the total candidates applying, was 35.8%. This is considerably above the 20.8% national average for successful candidates in all the Canadian Universities. Of the successful candidates at U. W. O., thirteen accepted positions with the government and twenty-three withdrew from the competition.

There were fifteen federal government recruiting teams at U. W. O. in 1962-63:

- The Foreign Service Selection Board
- The Domestic Service Selection Board
- The Meteorology Selection Team
- The Biological Sciences Selection Team
- The Physical Sciences Selection Team
- The Engineering Sciences Selection Team
- The Department of Insurance
- The Bank of Canada
- The National Research Council

The Defence Research Board
The Atomic Energy Commission
The N. R. C. Communication Branch
The Royal Canadian Army
The Royal Canadian Navy
The Royal Canadian Air Force

Job Descriptions were also received from various departments (Health and Welfare, Finance, Northern Affairs, Fisheries, Mines and Technical Surveys, The Wheat Board, The Tariff Board, etc.) as specific positions were created or became vacant.

The Placement Officer has been invited to Ottawa in early June to obtain information from senior departmental officials on the positions open to university graduates. By sponsoring this visit, the Civil Service Commission of Canada hopes that University Placement Officers will be in a better position to counsel graduates on careers in the government service.

Provincial

The Civil Service Commission of the Province of Ontario started a recruiting program at the Universities this year. Two recruiting teams representing all Government Departments visited U. W. O. in January and interviewed twenty-eight students.

Throughout the year job descriptions were received from various other provincial governments, (Quebec, Alberta, Saskatchewan, British Columbia). These were posted on our employment notice boards for the information of interested students.

Although government salaries were competitive with those of private industry there seemed to be less interest this year in Civil Service jobs.

Financial and Industrial Corporations Placement Program

The trend towards recruitment of professional staff at Universities is increasing each year. Many companies who have visited U. W. O. in previous years are expanding and improving their on-campus placement programs. In addition, many corporations are organizing recruiting visits for the first time. Perhaps the most

predominant trend over the past year has been the increasing interest in second and third year students in honours and professional courses. Corporations are finding that the best selection method is to hire undergraduates for challenging summer positions, and then hire the most desirable of these candidates for full time employment at the completion of their university program.

In 1962-63 two hundred and five corporations contacted the Placement Office requesting assistance in recruiting professional staff. One hundred and five corporations visited U. W. O. and conducted 1,325 interviews with students.

An additional 100 corporations sent job descriptions for interested students to follow up.

Starting salaries were varied, but the following range predominated:

Pass Arts	\$380 - \$410 per month
Honours Arts	410 - 425 per month
Honours Science	420 - 450 per month
Engineering	425 - 460 per month

Students graduating in Chemical Engineering, Honours Chemistry and Honours Mathematics were in greatest demand.

Summer and Casual Employment

Summer and casual employment is becoming a time consuming and complex part of the University Placement Program. As student enrolment increases the number of students looking for summer and casual employment also increases. Unfortunately the number of lucrative summer jobs available has not kept pace with increasing enrolment. If this situation continues many students will have difficulty financing future studies and additional means of assistance will have to be found.

In 1962-63, one hundred and nineteen organizations and/or individuals requested assistance from the placement office in finding students for summer and casual employment. Thirty-seven companies visited the campus (combining permanent and summer employment interviews) and eighty-two organizations sent job descriptions for interested students to follow up.

The supply of summer jobs varies considerably with the course of study. Students in Engineering, Honours Mathematics, Honours Chemistry and to a lesser degree in other Honours Science courses have had little difficulty in finding summer employment while many students in General Arts courses are still looking for work.

Our close contacts with the National Employment Service have been valuable in finding summer jobs for students.

General Placement Administration

In 1962 a survey of the placement facilities available at universities in the United States and Canada was conducted by the College Placement Council. Some of the results with approximate figures for the University of Western Ontario follow:

Survey of Placement Facilities in Universities
in the U. S. and Canada 1962

No. of Universities Surveyed - 576

	Average for all schools	Average schools 400 - 699 grads per year	Average schools 1000 grads per year	U. W. O.
Money spent per graduate on Placement Program	\$39.22	\$37.54	\$23.38	\$4.00
Graduates per placement worker	206	206	337	1200
Placement office space	-	1671 sq. ft.	2467 sq. ft.	400
Campus interviewing space		475 sq. ft.	996 sq. ft.	NIL

NOTE: Although more than 1,200 persons will graduate from U. W. O. this year, our figures for this University are worked out for 600 graduating students.

The Placement Office is operated by two people. In view of other duties we are able to devote about twenty per cent of our time to placement.

Interviewing facilities do not exist and each year we are at the mercy of the Superintendent of Buildings and Grounds, Deans, and the University Students' Council in our endeavour to find a satisfactory number of interview rooms. We have had excellent co-operation; however, our search becomes more impossible each year. Satisfactory control procedures are difficult to establish when our interview facilities are so widely separated throughout the campus.

Many improvements should be incorporated into our placement program if we are to achieve our ultimate goals. Some immediate and long range plans follow:

1. A more efficient and accessible placement library. Each year the placement office receives pamphlets and books dealing with every phase of placement. In addition, we obtain large amounts of promotional literature from governments, schools, cities and corporations. The value of this occupational material to the placement office in its efforts to serve the student is readily apparent. For really effective placement, accessibility, and distribution are especially important. At present most of this literature is stored in boxes and filing cabinets and is not readily accessible to the students. A progressive placement library will require facilities for display, storage, tabulation and supervision of the reading material available.
2. More emphasis on vocational counselling re post-graduate work. This question is frequently considered by students in deciding the merits of post-graduate work as opposed to a career in government, business or education. More information on graduate courses, financial assistance and further sources of information at home or abroad is required. This could become a most informative part of the placement library.
3. Information and surveys. This is one of the least known but most important parts of an effective placement operation. For the most part it takes place behind the scenes and only its results or influence may appear before the public. Such information carefully gathered and systematically and intelligently interpreted, can help the placement officer serve the students,

the university, employers and government. In Canada during the 1960's, jobs will be a major issue. Perhaps no other office is so well equipped to be of service in this regard.

4. Follow-up studies. The only way to analyze the effectiveness of a university placement program is through follow-up studies of those students and employers that have made use of the services available. A progressive placement service must know its effectiveness and its mistakes if it is to improve.
5. Vocational Counselling. This is the most important aspect of the placement service. While it lies chiefly in the area of job selection, the placement officer cannot ignore the need for attention to any problem which affects job selection. More time and research is required at the University of Western Ontario in this area.
6. Physical facilities and staff. To achieve our goals further facilities and staff will be required in the future. It is hoped that the Thames Hall facilities of the Western University Fund can be obtained at the completion of the finance campaign.

The placement office can become a vital part of the academic community. It is hoped that Western will continue to develop this progressive attitude in the years to come.

A summary of placement activities at the University of Western Ontario follows.

University of Western Ontario
Placement Summary

Secondary School Teacher Placement Program

- Secondary Schools Receiving Student Information Brochure	376
- Students assisted through Information Brochure	264
- Students assisted - Education Placement	292
- Schools requesting additional information	81
- Schools and/or Boards of Education Interviewing at UWO	21
- Student interviews on campus	264
- Number of students placed	275 (approx.)

Government Placement Program

- Number of Interview Teams on campus	
Federal	14
Provincial	2
Total	16
- Interviews on campus	118
- Job descriptions received from Government sources	70 (approx.)

Financial and Industrial Corporations Placement Program

- Number of interview teams on campus	105
- Number of full time interviews on campus	1325
- Companies sending job descriptions for interested students to follow up	100

Summer and Casual Employment

- Companies interviewing on campus	33
- Student interviews conducted on campus	373
- Companies or individuals sending job descriptions for students to follow up	97

Totals - All Placement Activities

Interviews on Campus

- Secondary Schools	264
- Government	118
- Financial and Industrial Corporations	1325
- Summer and casual employment	373
Total	<u>2080</u>

Companies Sending Job Descriptions for Interested Students to Follow Up

- Secondary Schools	55
- Government	70
- Financial and Industrial Corporations	100
- Summer and Casual Employment	97
Total	<u>322</u>

Faculty of Engineering Science Placement Program

The 1962-63 Faculty of Engineering Science Placement Program is now completed and the statistical results of the program are outlined in the Placement Summary which will be found at the conclusion of this placement report.

Two basic trends were of interest this year:

1. The trend towards the recruiting of undergraduate students for summer employment as a first step in obtaining full-time employees. More corporations felt a challenging summer position would give the student an opportunity to see if he liked the company, and the company a better opportunity to see if the student was the type of individual they wanted in the organization.
2. Large accounting firms expressed interest in employing engineers to train for accounting careers. There was little interest among the students this year.

General Administration

The procedure followed in the Placement Program was satisfactory and should be continued next year. However, many improvements could be incorporated into our program. Some suggestions follow:

1. An Engineering Science Placement Brochure

The pamphlet would include information on the various courses available at the University of Western Ontario, details on the placement program and information about students seeking employment. This brochure would greatly assist students and would be publicity for the Faculty of Engineering Science in government and industry.

2. Surveys and Follow-up Studies

Surveys and follow-up studies are vital parts of any effective placement program. Such information, carefully gathered and systematically and intelligently interpreted, can help the placement officer serve the students, the faculty, employers and

government. Follow-up studies are valuable in analyzing the effectiveness of the placement program. More emphasis should be placed on this aspect of placement in future years.

Summary - Faculty of Engineering Science

Corporations interviewing students on campus:

- For full-time employment 50
- For summer employment 26

Corporations sending job descriptions for interested students to follow up:

- For full-time employment 35
- For summer employment 11

Student interviews on campus:

- Graduates 5
- Fourth year students 119
- Third year 181
- Second year 32

Total 337

Number of students interviewed on campus:

- Graduates 3
- Fourth year 23
- Third year 38

Total 64

PRESIDENT'S MEDALS

Report of J. W. Graham
Chairman of the Committee

The University of Western Ontario President's Medals are awarded each year to the Canadian citizen or resident who is the author of the best single poem, short story, scholarly article, or general article to be published during the calendar year. The Medals supplement the Governor General's Awards, which are book awards.

Judges are members of the Faculty of this University, and this year the Medals were presented by Professor J. W. Graham, Chairman of the committee of judges, at the Canadian Authors' Association Annual Awards Dinner held in Ottawa on June 28th.

Results of the competition are as follows:

Single Poem: E. W. Mandel, "On the Death of Dr. Tom Dooley",
Queen's Quarterly, LXVIII, 4.

Judges: Professor F. W. Brownlow, Chairman
Professor W. C. Henry
Professor D. Jones

Short Story: Hugh Hood, "The End of It", Tamarack Review,
No. 24.

Judges: Professor B. Davies, Chairman
Professor F. K. Harper
Professor P. A. Angeles

Scholarly Article: R. Norton Smith, "Tradition and Modernization in
India", University of Toronto Quarterly, April
1962.

Judges: Professor B. Bandeen, Chairman
Professor J. W. Davis
Professor R. M. Stingle

General Article: Wynne Francis, "Montreal Poets of the Forties",
Canadian Literature, Autumn, 1962.

Judges: Professor J. R. W. Gwynne-Timothy,
Chairman
Professor T. W. Stewart
Professor T. R. Sansom

UNIVERSITY ATHLETIC ASSOCIATION

Report of the President - C. W. Gowdey

On the sudden death last summer of Colonel George Little the Athletic Directorate lost a loyal supporter, a wise counsellor, and an irreplaceable friend. His long association with the Directorate, and the respect and affection with which he was held by all who sought his help are only two of the factors which made the name of Colonel Little almost synonymous with athletic progress at Western. Indeed, one of his last contributions was to serve on a committee to review the whole organization of the athletic programme and to plan for additional athletic facilities required by the expanding University.

This work was completed, and a new Constitution of the Athletic Association was drawn up and submitted to the Board of Governors. The members of the Board agreed and empowered the Athletic Directorate to request the Athletic Association to ratify the new Constitution; this was done at a special meeting of the University of Western Ontario Athletic Association on October 9, 1962. With the increasing enrollment and the ever-increasing participation in university athletics, a full-time Director of Intramural Athletics was appointed. A Co-ordinating Committee of three was then established consisting of: The Director of Intercollegiate Athletics - Chairman of the Committee - (Mr. J. P. Metras), the Director of Women's Athletics (Professor E. Berzins), and the Director of Intramural Athletics (Mr. R. M. Decker). In the new constitution the Executive Committee of the Athletic Association (designated as the Athletic Directorate) shall be composed of: seven members of the Faculty; five students; three members appointed by the Board of Governors; one member of the Alumni Association; the President of the University (ex officio) or his representative; the university representative to the Ontario-Quebec Intercollegiate Athletic Association (ex officio); the Directors of Athletics and the Head of the Department of Physical, Health and Recreation Education (non-voting members); and a non-voting secretary.

The Annual Meeting of the Athletic Association of the University of Western Ontario was held following the Men's Athletic Banquet on April 3, 1963, at which time the following appointments to the Athletic Directorate were announced:

Mr. Tom Scoccia	University Students' Council
Mr. Ted Hickerson	University College
Miss Martha Borschke	University College

The Directorate held five meetings during the year. Aside from routine business, the following matters were discussed: From time to time requests by members of the Faculty and Staff that they and their families be allowed the use of the swimming pool in Thames Hall have been received. At the suggestion of President G. Edward Hall the Athletic Directorate set up a committee, under the chairmanship of Dr. K. Strickland, to study the feasibility of such use of the facilities in Thames Hall. After a thorough study of the problems involved, the committee drew up a set of proposals for the use of the pool which were then forwarded by the Directorate to the Board of Governors for ratification. The Board agreed and in January the pool became available on Thursday evenings and Saturday mornings to staff members and their families, by payment of a special fee, and to the families of the alumni who held "Thames Hall cards". Control and supervision of the pool was arranged and the regulations stipulated that children under 14 years of age must be accompanied by an adult. The response of the staff was encouraging and the Board's decision was appreciated.

In February a letter was received from the University Students' Council asking that the following motion be discussed carefully by the Athletic Directorate in the near future: "That the U.S.C. approve the re-establishment of Intercollegiate Hockey at the University of Western Ontario." The letter went on to state, "This motion was proposed because many students on the campus have shown a great interest in Intercollegiate Hockey and because there are presently a number of talented hockey players at Western. We [the U.S.C.] think that the present University rink could be used for practices and we understand that adequate indoor facilities are now available at Oakridge for games. It is felt that this matter should be given special consideration because hockey is the national sport of Canada and because Intercollegiate Hockey would add a great deal to the sports program at Western."

After considerable discussion as to the merits of including Intercollegiate Hockey in the sports programme, the use of an open rink for this type of hockey, the costs involved, etc., the Directorate approved in principle the University's re-entry into Intercollegiate Hockey competition and referred this resolution

to the Finance Committee of the Athletic Association for its earnest consideration in the preparation of the estimates of the Athletic Association for the year ending June 30, 1964.

It became clear during the deliberations of the Finance Committee that, although the majority of members were sympathetic to hockey, the finances at this time would not permit its inclusion in intercollegiate competition. It was also felt that without a covered rink on campus, the playing of an intercollegiate hockey schedule would not be practicable. It was anticipated that this problem would be reconsidered after the urgent demands of the University's expansion programme had been met.

At the meeting of the Board of Governors of the Ontario-Quebec Athletic Association held in the University of Toronto March 22, 1963, the University of Western Ontario delegates, following instructions of the Directorate, voted in favour of a recommendation initiated by Administrative Council: "That there be in the O-Q.A.A. a five-year limitation of years of play in competition at the intercollegiate level." An amendment to the motion, to add "... dating from the date of initial registration of the player concerned" was proposed and was defeated by 25-7 votes. The motion was then defeated 21-11.

At the same meeting it was decided that for Intercollegiate Hockey the two-year experimental schedule of two groups of four teams each, with a play-off, should be abandoned in favour of a single round-robin schedule between seven teams: Laval, McGill, Montreal, Toronto, Queen's, McMaster and Waterloo. The three Quebec teams and Ontario Agricultural College signified that they would be unable to participate in an eight-team home-and-home schedule, because of the expense and the time involved. Such a decision made it virtually impossible for Western to compete at the intercollegiate level even if the problems discussed above had all been solved.

Because of the desire of some of the newer academic institutions to participate in intercollegiate competition, the O-Q.A.A. set up a committee to examine the scheduling of all sports within the O-Q.A.A. As for Canadian Intercollegiate Athletic Union (C.I.A.U.) play-offs, the O-Q.A.A. set deadlines for participation of their own champions; beyond these deadlines it was agreed that a winner might enter a team at its own discretion.

Taking into account the rapidly increasing interest and participation in athletics at Western and the achievements of the various teams and individual competitors, the Directorate feels that this past year has been a successful one. On their behalf I should like to express our appreciation to those responsible for the various phases of the programme: the athletic directors, the coaches, managers, trainers and competitors.

INTERCOLLEGIATE ATHLETICS

Report of the Director - J. P. Metras

Men's Intercollegiate Athletics

Once again facilities were utilized to their utmost by both competitors and student spectators. While the results, in terms of championships won, were few compared to many previous years, participation and interest hit an all-time high.

For the first time in history, double winners were named for the Dr. Claude Brown Memorial Trophy for the greatest contribution to athletics; John Metras, Jr. and Peter Fowler were jointly honoured.

Football

The Mustang Squad compiled a 2-4 record for the season, good enough only for a tie with Toronto for third place. McGill and Queen's tied for the top spot with 4-2 records and McGill won the playoff. Close to one hundred hopefuls started practice in early September. All-Star recognition was accorded six players at the end of the season. Peter Martin was chosen by his teammates the most valuable player on the team and received the George McCullagh Trophy.

The Colts participated in the Junior O.R.F.U. League, playing a series of away games with teams in Kitchener, St. Thomas, Windsor and Sarnia. Their record of 5 wins and 2 losses put them in second place.

John Reid was chosen as the most valuable member of the Colts and was presented with the Dr. Archie Galbraith Memorial Trophy.

Basketball

With the return from last year's squad of only one regular, the Mustangs compiled an excellent record of eight wins and two losses, both losses coming at the hands of the undefeated league winners, Assumption University. The usual tough schedule of non-conference games against top-level competition from American colleges failed to bring any victories but served to prepare the club for the O-Q.A.A. competition.

Guard Tom Williamson won the league scoring championship with a total of 438 points for a 20.8 per game average.

Golf

The Mustang golfers placed second to Toronto in the senior O-Q.A.A. competition held at Laval Sur La Lac near Montreal. Captain Chris Lehman capped a brilliant year by shooting a 36-hole total of 150 to win the Alan D. McCall Trophy for the Individual Championship. The others on the team carded scores of 157, 166, 179, for a team total of 652, a mere 7 strokes behind the winners.

Tennis

Lack of both time and experience hampered the four-man tennis team as they came up against some of the top-ranking players in Canada in the O-Q.A.A. Tournament held at Toronto's Lawn Tennis Club. Toronto and the University of Montreal tied for first place with Western sixth.

Track & Field and Harrier

The Harrier team placed fourth with 56 points to first-place McMaster with 25. Toronto won the Track and Field Meet with 84 points. Western placed fifth with 15 points.

Swimming

The Mustang swim team enjoyed a fine season despite the unfortunate car accident involving four of the team members. They won four of nine dual meets during the season and finished second to Toronto in the O-Q.A.A. Championships. Veteran Pete Fowler won two O-Q.A.A. events, captain-elect Glen Davis won the Individual Medley and the team of Arblaster, Fowler, Finlayson and Davis won the Medley Relay.

Squash

The Squash Team competed in several dual matches during the season and placed third in the O-Q.A.A. championships in Montreal.

Badminton

The four-man Badminton team travelled to Kingston to compete in the O-Q.A.A. Tournament in February. The Number One man was taken ill and forced to default most of his matches. In spite of this, the others made a splendid showing and ended up in second place with 16 points to the winning total of 26 by Queen's University.

Wrestling

The Wrestling team, comprised mainly of first and second year men, gained considerable needed experience in a series of dual meets but failed to win any. By the end of the season they improved to the point where they placed third in the O-Q.A.A. Championships. Sandy Massaro and Barry Thompson won championships in their individual weight classes. Ray Shulman won the George Oliphant Trophy as the most valuable member on a vote of his teammates.

Rowing

The Rowers had a very successful season with the Senior Eight winning all of their competitions including the T.R. Loudon Trophy for the Eastern Canadian Inter-collegiate Championship. A total of some forty men participated in training sessions on Fanshawe Lake.

Men's Intramural Athletics

With the continued growth of activity and participation in Men's Intramural Athletics, a full-time Director, Mr. R. M. "Dutch" Decker, was added to the staff in the fall. Spectacular improvement was noted in the use of the skating and hockey rinks, particularly due to the addition of a concrete floor. Figures show a total of over 13,300 active participations in the rink, including recreation skating and 127 scheduled hockey games.

Middlesex College edged out Huron College 148-146 in the overall championship competition for the University Shield contended for by the seven faculties in eighteen different intramural sports.

A great deal of House League competition in many sports added considerably to the total participation. Badminton, Fencing,

Rowing and Gymnastics were operated on a club basis but all were hampered by lack of facilities and suffered from numerous cancellations of gym time.

Women's Athletic Activities

The women athletes at Western had another most successful year in athletic activities.

Western girls won Intercollegiate Championships in Volleyball and Basketball as well as the Doubles Championships in Tennis and Badminton. In Archery, Margaret Wagstaff was the Intercollegiate Individual Champion and Freshette Janet Baxter was third out of 24 archers from six universities. The speed swimmers came first, although our team placed third, as our synchronized swimmers and our divers did not win any of their events.

In Ice Hockey we placed third; in Archery, second; in Tennis, fourth; and in Badminton, second.

Notwithstanding the lack of facilities for indoor sports in Intramurals, Western girls showed great interest and enthusiasm, increasing the participation to the highest numbers ever.

The most popular activity seemed to be Volleyball with 138 participants. The Lang Trophy was won by Brescia Hall with 100 points; Nursing School came second with 70 points and P.H.R.E. third with 59 points.

Badminton, Gymnastics and Fencing were very popular and together with their members, we could count close to 500 girls using our facilities and equipment.

THE WESTERN ONTARIO
SECONDARY SCHOOLS' ASSOCIATION

Report of the Secretary - W. A. McWilliams

In this, the forty-first year of operation, forty-seven schools with a total enrolment of over 35,800 students were members of the Association. These numbers were less than those reported a year ago due to the counties of Essex and Kent forming a new association. In the area remaining to W.O.S.S.A. two new schools became members and the number of students in the area increased by over ten per cent.

The year was marked by a change in organization whereby the management of the various W.O.S.S.A. playdowns and tournaments was assumed by individual conferences. This means that the work of the central office has been, and will be, greatly reduced, and should result in greater activity and keener competition in conference and inter-conference playdowns.

This move was made possible by the increase in size of the individual schools and improvement in gymnasias and playground facilities. As an example, the Sarnia Conference used a gymnasium with a limited accommodation for spectators but increased the number of viewers by using a closed circuit television to show the games in the school cafeteria. It is of interest to note that over forty member schools have enrolments of over six hundred and ten have over one thousand students.

Participation in activities sponsored by W.O.S.S.A. both on and off the University of Western Ontario Campus brought together the following number of students in interschool activities:

Badminton	180	Soccer	220
Basketball	2110	Swimming	154
Cross Country	105	Tennis	43
Curling	132	Track & Field	2200
Football	1800	Volleyball	1350
Gymnastics	62	Wrestling	68
Hockey	182		
		Total	8544

The officers elected for 1963-64 were:

Past President: Mr. E. W. Rice, Sir Adam Beck S.S.,
London

President: Mr. E. McIlveen, Huron Park S.S.,
Woodstock

1st Vice-President: Mr. O. L. Day, Goderich D.H.S.

2nd Vice-President: Mr. A. H. Fudge, Sarnia C.I. & T.S.

The secretary-treasurer requested that a replacement be found for him owing to the pressure of other duties. The executive was given power by the annual meeting to make an appointment and named Mr. W. Colin Crozier of Dorchester High School as secretary-treasurer effective August 1st, 1963.

The delegates attending the Annual Meeting expressed their pleasure at the continued support given by the University to W.O.S.S.A. and all present hoped that the same happy relations would continue to the mutual benefit of all concerned.

In conclusion I wish to express my regrets at having to withdraw from the position of secretary-treasurer. I have enjoyed the four years in that office largely because of continued contacts with secondary school principals and athletic coaches and also with University personnel. In particular, Mr. Metras, Professor L'Heureux and the members of their staffs have been most cooperative and helpful at all times.

UNIVERSITY HEALTH SERVICE

Report of the University Physician
Richard Bowen

General

Greater use was made of the health service during 1962-63 than at any time since its establishment.

The medical staff were most pleased that they were able to meet the demands made upon them.

Consequently the student body as a whole has come to depend to a greater extent on the department.

With the increased use of university facilities and the increase of on-campus population, university policy was changed in regard to the health service. In accordance, the health service was held open five days a week throughout the year, and during examination time and other requested periods the services were available. This was broken down in the following manner:

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

In the opinion of the writer the attention and consideration given to Summer School students is of great value.

It is a privilege to be 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 project when they are legitimately fatigued.

It has been found that attendance at the clinic 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 academic sessions 1962-63 were not characterised by widespread infections; accidents were few, and loss of time, except in special cases, was not too marked.

Physical Examinations

Since the initiation of the physical examination form freshmen have not been examined. Theoretically this is supposed to have been done before registration. Transfer students have been examined on admission to the University. All abnormalities were noted and they were subsequently seen by the medical staff and suitable disposition made. Follow-ups were carried out on students already enrolled in senior years and finalization, if possible, was brought about in regard to their abnormalities.

Good liaison has been maintained with the Department of Physical Education, Athletic Coaches, etc., and no misplacement has occurred.

Tuberculosis Survey

The University is most interested in modern methods of tuberculosis case finding with good control existing in the institution. Beck Memorial Sanatorium staff carried out the survey; the staff work was done by the Health Service staff. Proper follow-up of reactors has been attended to and no admissions to sanatoria were made during 1962-63.

Health Education

No formal course of instruction was given in 1962-63. Extensive counselling was done by the Victorian Order nurse, who is qualified. The medical staff have advised in matters of health on a group and personal basis.

Student Insurance

No changes were made in student insurance in 1962-63. The diagnostic clause was found to be particularly valuable for those still lacking O.H.S.C. coverage. Insurance claims processed by the Health Service office numbered 441.

Staff

Mrs. Renona Wood, Reg. N., B. Sc. N., of the Victorian Order of Nurses has rendered the department service far beyond the call of duty and staff and students alike have been aided continually.

The success of the tuberculosis survey, follow-up disability, insurance finalization and physical examinations are 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:

1. To attend the Annual Meeting of the American College of Health Association.
2. To attend the Conference on Mental Health at Queen's University.

Statistical Survey

<u>Prophylactic Innoculations</u>	<u>1961-62</u>	<u>1962-63</u>
Allergy Serum	313	394
Typhus and Cholera	12	15
Poliomyelitis	109	53
Polio and Tetanus	112	199
Tetanus	75	74
Typhoid-Paratyphoid	72	120
Typhoid-Paratyphoid-Tetanus	14	25
Smallpox	258	252
Bronchial	10	83
Staphylococcus Toxoid	39	31
Schick Test	4	4
Paul Bunnell	42	65
Wasserman	4	10

<u>Diagnostic Referrals</u>	<u>1961-62</u>	<u>1962-63</u>
Admission to Sanatorium	-	-
Arthritic	-	-
Cardiac	-	-
Diagnostic X-Ray	162	155
Treatment X-Ray	30	26
Dermatologist	14	11
Orthopedic	28	14
Psychiatric	6	14
Allergic	3	4
Medical	19	17
Surgical	39	52
Endocrinology	2	1
Eye, Ear, Nose & Throat	54	53
Dental	15	16
Gynaecological	8	7
Neurological	1	4
Urological	4	4

Current and Comparative Study of Clinic Activity

	<u>1961-62</u>	<u>1962-63</u>
Consultations	8631	8896
Insurance Claims	423	441
House Calls	48	35
Office Calls	60	72
Staff seen in Health Service	115	120
Other Consultations	6959	7193
 Total Attendance	 <u>8630</u>	 <u>8996</u>

(cont'd)

Comment

1. Interest in prophylactic inoculation was increased.
2. In this analysis neuropsychiatric disability has not markedly increased.
3. The morale was good. Stability level also above average.
4. Student motivation favourable.
5. Considerable concern is felt in the department in regard to the everlasting demand for medical excuse for lost time. So many certificates of diverse nature are given that the opinion is entertained that they are useless. The few necessary certificates therefore lose significance.
6. It is observed that poor organisation of work is in many cases the cause for a good deal of anxiety.

Administrative Problems Militating Against Full Efficiency of Department

1. 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 the private office of the University Physician and in making house calls.
2. The student body did not report illness causing lost time to the Health Service for incorporation in the records.
3. In the fall of 1962 freshmen students were supposed to come to the college with the completed pro-forma of medical examination. In the opinion of the writer, this was disregarded by many of the incoming students. Consequently, the physicians spent considerable time completing these and therefore diminishing their time in the clinical field.

Acknowledgment

The University Physician was aided at all times by the kind consideration of the President, Comptroller, Registrar, Deans of Faculties, Deans of Men and Women.

ALUMNI ASSOCIATION

Report of the Director - G. O. Hartwell

Administration

The programme of the U.W.O. Alumni Association is directed by an Executive Council of elected Alumni in cooperation with the University Board of Governors, the University Administration and its staff of faculty members and maintenance employees, and the chairmen and executive members of the U.W.O. Alumni Branch Associations scattered across Canada.

The Executive Council and its Committees

The officers of the Alumni Association are also the officers of the working Executive Council.

For 1962-63 the names and positions of these officers were:

Honorary President, Dr. G. E. Hall; Honorary Vice-Presidents, Dr. W. S. Fox, Dr. F. Landon, Dr. F. R. Clegg; Honorary Treasurer, Mr. E. G. Silverwood.

Active officers: President, Mr. Fred Norwood; Past President, Dr. J. Stewart Lott; Vice-Presidents, Mr. James Chick, Mr. Kenneth S. Murray; Secretary-Treasurer, Mr. George O. Hartwell.

Chairmen of Standing Committees

Alumni Clubs, Mrs. Joyce (Kemp) McMeekin; Citations, Miss Jessie MacFarlane; Constitution, Mr. Frank Dowler; Finance, Mr. Arnold Harris; Annual Fund Campaign, Mr. James Chick; Homecoming, Dr. Earl Plunkett; Nominations, Dr. J. Stewart Lott; Publications, Mrs. Maxinne (Wyatt) Barker.

Chairmen of Special Committees

U.W.O. Alumni Spring Festival, Mr. Kenneth S. Murray; Alumni Section of the 1963 Western Building Campaign, Mr. Fred Norwood.

Report of Finances and Alumni Fund Appeals

Gifts of money from Alumni to the University through the Annual Alumni Fund Appeal have increased considerably since a working Alumni Council was established in the reorganization of the U.W.O. Alumni Association during the 1952-53 years. The following table indicates both the increase in funds and the percentage of graduates contributing.

<u>Year</u>	<u>Number of Contributors</u>	<u>Amount in Dollars</u>	<u>% Contributing</u>
1952-3	662	8,600.00	9.0
1954	1107	11,747.00	14.1
1958	2093	21,390.00	21.8
1962	3088	44,280.00	23.1

Alumni Section, Western Building Fund, 1963

The Alumni Assembly in 1962 voted unanimously to conduct a million dollar Building Fund Campaign to assist the University in its drive for \$7,200,000.00 of new funds to be raised over a five year period for expansion of facilities. With this decision, it was deemed expedient to suspend temporarily the usual annual Alumni Fund Appeal until the Building Fund Committee had completed the canvass of alumni in seeking 5 year pledges to the Building Fund.

Mr. A. J. "Pete" Little was appointed chairman of the National Alumni Section with Mr. Fred Norwood as vice-chairman. Dr. G. E. Hall and Pete Little travelled extensively across Canada to organize Alumni Divisions throughout the Dominion - Mr. Fred Norwood, Mr. Ward Cornell, and Mr. James Chick, all Alumni Council members, concentrated on Ontario. To the end of June, 1963, the results of this intensive organization have produced pledges amounting to over \$600,000.00 from the University Alumni, an amount undreamed of ten years ago. As several sections across Canada have yet to start their Alumni canvass due to unforeseen circumstances, all concerned are confident the million dollar objective will be reached by the end of the 1963 calendar year.

Report of Alumni Financial Aid to the University

1. Grants to the University from the Surplus Account of the Annual Alumni Fund Appeal (after Alumni Services were paid for).

Grants to University, 1955-62	\$ 79,587.32
Payment on Building Fund Pledge, 1962	52,674.68
Total, this source	<hr/> \$ 132,262.00

2. Direct Gifts, Alumni to University

Reported 1954-62	\$ 199,096.91
Reported July 1, 1962 - June 30, 1963	12,845.69
Total, this source	<hr/> \$ 211,942.60

3. Grants to Student Activities from Earned Funds

Reported from 1954 - June 30, 1962	\$ 9,996.48
Grants, July 1, 1962 - June 30, 1963	1,525.00
Total, this source	<hr/> \$ 11,521.48

Overall Alumni Giving 1954 - June 30, 1963	<hr/> <hr/> \$ 355,726.08
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Activities of the Alumni Association

Ex-student Records

With the cooperation of the Registrar, the Alumni Office keeps all the post-graduate records, and up-to-date addresses, of all graduates and those non-graduates who indicate an interest in continued affiliation with the University. These records require the setting up of four separate files for the individual Alumnus(a). With the 1963 graduates, it is expected that there will be 16,500 names in the Alumni files.

In addition, the Alumni office keeps a file of addressograph plates for the men who have taken special courses at the School of Business Administration. At the request of the School of Business, the Alumni staff will address envelopes as needed for special mailings to these men.

The seeking of changes of address for a young, ever-moving group of University graduates is a business in itself. Records show changes of address ranging up to 30% of the number of Alumni each year.

The U.W.O. Alumni Spring Festival of Music

This cultural activity of the U.W.O. Alumni Association has finished its third year and continues to lead the way in its contribution to the cultural and artistic life of the University and the surrounding communities.

The amount of work expended to produce a Festival of this nature is prodigious especially when supplied on a voluntary basis. Mr. Kenneth S. Murray and the members of his Festival Committee deserve great credit for their time-consuming efforts and continuing interest in this project.

Alumni Branch Associations

From June, 1962 to July, 1963, group meetings of Western Alumni were held from the West Coast of Canada east to Quebec City. Many were regular annual Branch meetings of organized Alumni Clubs, but a good number were get-togethers of Western Alumni in smaller communities for the first time to establish an organization in

connection with the Western Building Fund 1963. President Hall, Mr. Little, Mr. Norwood, Mr. Cornell, and Mr. Chick, all took turns to join Alumni and present Western's story at these meetings. All reported great Alumni enthusiasm for Western at the Alumni meetings they attended. It is the intention of the "Alumni Clubs" committee to follow up this interest in 1963-64 in the promotion of new U.W.O. Alumni Branch Associations.

Alumni Publications

Included under this section of Alumni Association activities are all facets of printing including:

1. Preparing the format, duplication or printing of notices, addressing and mailing such notices for Class Reunions at Homecoming, meetings of Branch Associations, the annual fund appeal promotional literature, and printed material for several special events each year which include the promotion and sale of football tickets to out-of-town Alumni.
2. Publication of the Alumni Gazette

The objective of the Alumni Gazette is to publish in equal amounts the current news of University and Alumni happenings. The Publications Committee strives to interpret the objectives and the philosophy of the University towards higher education.

The Alumni Office is responsible for approximately 275,000 pieces of mail each year.

U.W.O. Homecoming Weekend

General functions are planned for the Homecoming Weekend which will appeal to any Alumnus(a) whether he is a member of a five-year reunioning class or not. There are many opportunities provided for Western graduates to get re-acquainted with each other, and the University.

The highlight for most graduates comes at each five-year anniversary of his class graduation. The Alumni Association provides many services freely to the members of such classes.

The most favourable innovation for drawing the interest and future support of Alumni in recent years was the advent of "University Open House" through the cooperation of the Administration, the Faculty, the Students, and the Maintenance Staff. It is believed that the development of this function will go far in rekindling and stimulating graduate interest in the University.

Alumni-Student Relations

At Western, the Alumni Association takes every opportunity in its power to become acquainted with key members of the student body. This is done by exchanging representation on respective councils, cooperating with student committees in the use of Alumni equipment for addressing and the postal machine in mailings, working jointly on Homecoming events, etc.

With the cooperation of the University through the Board of Governors, the Administration, the Faculty, and all employed on the campus, the Alumni Council looks forward to the further development of an on-campus programme which will create a sense of personal obligation and loyalty to Western in the heart of each student through the knowledge that a personal interest is being taken in his academic and social welfare as soon as he enrolls.

With the favourable influence of such students on leaving the campus, and going out into the world as working Alumni, the Alumni Association feels that Western need never fear for its continued progress and importance in future years.

General

The activities of the U.W.O. Alumni Association are enhanced greatly by the voluntary work and dedicated interest of many hundreds of graduates.

The cooperation of all levels of University personnel and the use of University facilities has been vital in carrying out the many phases of work with Western Alumni. The Alumni Director and his staff are most grateful for the interest and assistance of other campus departments, and in particular, for the encouragement and cooperation of the Board of Governors and the Administration.

With the interest and assistance of Alumni and University personnel as outlined above, the Alumni Association has been able to record remarkable progress in arousing graduate interest and support in many fields of assistance to the University.

The favourable results to date in the million dollar Alumni Building Fund Campaign is a case in point of the success obtained by such cooperation. The untiring efforts of University President, Dr. Hall, in conjunction with prominent Alumni Association officers and other interested graduates has assured the early achievement of this objective.

JOINT McINTOSH COMMITTEE

Report of the Secretary - R. A. Allen

In June 1963 Mr. Tony Urquhart completed his third successful year as Resident Artist. During the year 1962-63 he arranged for the McIntosh Gallery some fifteen exhibitions of paintings and drawings, the work of London, Canadian and foreign artists. The high light was the exhibition of drawings by the great German expressionist Kaethe Kollwitz. Another interesting exhibition, particularly from the historical point of view, was "Early Canadian Watercolours". A showing of local student art had its interest too and provided recognition for the young artists.

Mr. Urquhart again conducted sketching classes and discussion groups. These, together with films and tape recordings, gave variety to the activities in the Gallery. Mr. Urquhart leaves the University for a year's study in Europe, assisted by an award from the Canada Council.

The position of Resident Artist will be held in the coming year by Mr. William Roberts, A.R.C.A., O.S.A. Mr. Roberts is both a creative artist, who has won recognition in the form of several national awards, and a teacher with five years successful experience on the staff of the Ontario College of Art and also as Artist-in-Residence at the Nova Scotia School of the Arts.

The Joint McIntosh Committee provided the usual prizes in Business Administration, Geography, Debating and Public Speaking. A total of \$2160. was awarded in prizes. The Committee also made grants for the promotion of music on the campus to the University Choir for the purchase of music and to the College of Music for its library of books and records.

THE DEPARTMENT OF
BUILDINGS AND GROUNDS

Report of the Superintendent - J. Shortreed

During the year the staff of the Department of Buildings and Grounds averaged approximately 175 regular and part-time people who were distributed as follows: technical - 3, clerical - 11, operative - 41, maintenance - 36, and caretaking - 84. Of the regular staff, 3 left during the year and 4 others retired at the end of the fiscal year.

In addition to normal maintenance, 710 projects were carried out for departmental and special accounts.

Alterations to Grounds

Sidewalks were constructed from Medway Hall to the General Parking Lot directly north of the building and also across the west campus from the Somerville House area to Huron College. The flagstone walk on the front campus was replaced with a sidewalk.

The gravel road from east of the Services Building along the south of the stadium to Huron Street was prepared for paving.

Using gravel from the Sydenham Hall excavation, the residence parking lot was extended and rough graded making an additional 250 spaces with a total capacity for 650 vehicles.

Lighting was installed in the parking area at the College of Music.

A new parallel storm sewer was installed from the Services Building to the river and a 12-inch sanitary sewer was laid from the building to south of the skating rink to parallel the old 10-inch sanitary sewer.

The house at 1142 Western Road was purchased by the University in June 1963, and rented.

The parking lot and roadways east of the Biological-Geological Sciences Building and Middlesex College were partially paved.

Alterations to Buildings

The bridge on University Drive was provided with splash guards on the north side of the road.

An emergency lighting system was installed at Spencer Hall.

Improvements were made in the electrical service for the west wing of the Medical School.

A hobby and games room was constructed at Medway Hall.

Alterations were made in the Biological-Geological Sciences Building to house an electron microscope.

Two additional chemical research laboratories were furnished and equipped by our forces on the top floor of The Physical and Chemical Sciences Building.

Work was started for the Faculty of Engineering on a two-year alterations program estimated at \$50,000 and forming part of the expansion program of the University. The work will consist of rearranged laboratories to provide for the increased graduate student program.

Alterations were started in Stevenson Hall to provide new offices for the Comptroller, Awards Officer, and the Dean of Arts and Science and to rearrange the Registrar's and accounts office areas.

Temporary offices were set up in the Tower Room of Somerville House and in Thames Hall to accommodate the staff of the Building Fund Campaign.

Display cases were installed adjacent to the Museum area in Middlesex College to house the sword collection donated to the University by Colonel Ibbotson Leonard.

The walk-through tunnel between the Lawson Memorial Library and University College was re-lighted and sound absorption

installed.

Equipment

The major equipment additions purchased during the year consisted of a road sweeper unit, a four wheel drive half-ton pickup truck, and two battery operated floor scrubbing machines. None of the existing major items of equipment were replaced.

Traffic and Parking

Traffic continued heavy throughout the year with a total of approximately 1700 student permits issued. The elimination of freshman parking proved to be satisfactory and eased both the traffic and parking problems. The ruling made last year denying all student vehicles entrance to the core area of the campus reduced traffic a great deal in that area.

Reservations

Room scheduling for all functions outside the academic curriculum again increased another 33% to almost 4700 reservations. The procedure of this office scheduling all routine class changes was generally accepted by the faculty.

Services

The table following indicates the growth of telephone service to be pro rata with the physical plant expansion over the past ten years.

<u>Year</u>	<u>Volume of Bldgs. (Millions of Cu. Ft.)</u>	<u>Number of Handsets</u>	<u>Ratio of Handsets Per Million Cu. Ft.</u>
1952-3	7.4	163	22
1956-7	8.6	193	22.4
1960-1	14.7	294	20
1963-4	18.0	385	21

The service provided represents a telephone for each five members of a department plus extra sets for Heads of departments and full Professors. Although a constant ratio to building area has been maintained, indications are that increased telephone service will be requested in the future.

Electrical Services, on the other hand, due to many new science activities - additional outside lighting, summer cooling and improved lighting standards - have increased a great deal and it is judged that they will continue to increase. The relative usage compared to ten years ago is as follows:

<u>Year</u>	<u>Volume of Bldgs. (Millions of Cu. Ft.)</u>	<u>K. W. Hrs/1000/year cu. ft.</u>
1952-3	7.4	170
1962-3	16.3	425

Other services such as steam, water and gas follow a demand pattern based on buildings areas.

New Buildings and Projects

The following chart-report on the Capital Program shows the activities of this department during the year and the areas hatched indicate, by their relative sizes, the approximate amount of work involved.

The H. A. and W. J. Stevenson Medical Library for the Medical School was occupied in December, 1962, and accepted in February, 1963.

The small office addition at the north-west corner of University College was occupied toward the end of September 1962 for use during the fall term.

Although Sydenham Hall was not completely finished, the furniture was purchased during the year and partial occupancy for 100 beds was obtained for Summer School.

The new Medical Sciences Building, previously referred to as the Basic Sciences Building, was in the process of detailing and being prepared for tendering during the year. Tenders were called for July 5, 1963 for occupancy in 1965.

This department worked in very close liaison with the medical departments and the architect in determining the requirements for

furniture, services and special equipment. The building as planned lies west of, and is attached to, the Cancer Research Laboratory and varies from 4 storeys to 7 storeys in height. There is a total of 187,000 gross architectural square feet. The target cost, which was confirmed by tenders, was \$5,500,000 and includes all fees, furnishings, special equipment, and services.

The building is designed to have a lecture room seating 112 students, and two lecture-demonstration rooms of approximately 100 seats each. The usual undergraduate student laboratories associated with the Medical School, i. e. Anatomy, Microscopic Anatomy, Bacteriology and Pathology, Physiology and Pharmacology, and Biochemistry, are arranged for minimum classes of 75 and in most cases 90 students.

A library and reading room will accommodate 100 students and will house 100,000 volumes.

Animal quarters are situated on the 5th and 6th floors of the tower section and have animal runs on the roof.

Working and research space for staff and graduate students, air-conditioned rooms, and special procedure laboratories account for a large number of small rooms making the total number of areas in the building over 400.

The plans for the Services Building were completed, tenders called, and the building constructed during the fiscal year with occupancy being obtained in May, 1963.

The building centralizes the offices, trades shops, lunch room, and stores of the Department of Buildings and Grounds and temporarily provides space for the groundsmen. Garage facilities which may provide future expansion for the stores, if and when required, will house eight small vehicles.

The total cost of \$385,000 provided a two-storey building built into a hill, allowing truck dock service to both floors and with a gross area of 24,000 square feet.

To prepare for the anticipated enrollment in the fall of 1963, the Board of Governors authorized two additions to Middlesex College to provide more classrooms and offices. Preliminary and detailed planning was expedited and tenders were called for February 15, 1963. The contract was awarded to the Foundation Co. of Canada Limited.

The addition on the south is octagonal, with offices located around a central rotunda on each of three floors. An enlarged faculty lounge and nineteen graduate spaces occupy the ground floor. The north addition is made up of classrooms and lecture room laboratories including two ramped lecture rooms seating 150 each, one of 60 seats, and four seminar rooms of 20 seats each.

Geography and Psychology were both concentrated in Middlesex College with Geography taking the top floor of the north addition for laboratories, and Psychology occupying the ground floor.

The total gross area is 27,000 square feet and is expected to cost \$690,000. Occupancy is anticipated for the fall term of 1963.

Preliminary planning proceeded throughout the year for the Chemistry Building and the plans were sealed in February 1963. Detailing was started and projected for October, 1963.

The budget approved is \$2,500,000 and the building is to include 82,860 square feet gross floor area. It is located north of the Biological-Geological Sciences Building and is attached to it by the westerly wing of a proposed Biological-Geological addition which will be built more or less concurrently with the Chemistry Building.

There will be three lecture rooms seating approximately a total of 200, four undergraduate laboratories for general chemistry, three for physical chemistry, two for inorganic chemistry and four for organic chemistry. The remainder of the building provides for research laboratories, special process laboratories, storerooms, etc.

Preliminary planning was authorized for the Biological-Geological Sciences additions and proceeded to an extent which confirmed the location of the Chemistry Building attached to the north of the west wing. This preliminary planning will continue into the fall of 1963.

As part of the addition, the Board of Governors authorized a contract this year for one added section of Greenhouse. The Greenhouse contract was awarded to Lord and Burnham Co. Limited, and separate tenders were called for the foundations.

The Board of Governors authorized preliminary planning of a Composite Sciences Building. A small committee produced a project planning guide and the project was referred to the architect.

Approval was given for expansion of the Boiler Plant by the removal of one 18,000# boiler and the purchase of two new boilers of 50,000# per hour capacity each. Tenders were called on the contract awarded to Foster-Wheeler Limited for supply of two oil-fired boilers to operate on Bunker C. oil. This will increase the steam capacity of the plant from 36,000 to 118,000# per hour and provides stand-by capacity up to 68,000# per hour. Our peak requirement during 1962-63 was 34,000# per hour. The total cost of this program is \$236,000.

The Board of Governors approved additional capacity in the high voltage transformer station and the 4,000 volt distribution system. When this is effected, the capacity will be doubled to a total of 4,000 K. W. at a cost of \$55,000. The peak demand during 1962-63 was almost 1,500 K. W.

Preliminary discussions on the Alumni Auditorium established a planning guide. A recommendation was accepted that an auditorium seating approximately 2,200 should be built. The floor of the auditorium is to be adaptable for examination hall use and/or a basketball pitch. Additional examination hall space, alumni offices and lounge, and squash courts are also envisaged in the same building. Because the problem involved in accoustical correction of a hall designed for symphony, public speakers and athletic events, was recognized, the Board of Governors approved a recommendation to employ as an accoustical consultant, Dr. H. Keilholz whose name was suggested by Dr. Szell of the Cleveland Symphony Orchestra.

During this period of extraordinary activities in the new building program, our office has had very sympathetic cooperation from all departments, both those with whom we are working directly and those who may be affected unfavourably by our pre-occupation. We take this opportunity of thanking all concerned.

1962-1970 CAPITAL PROGRAM

THE DEPARTMENT OF BUILDINGS & GROUNDS PROGRESS REPORT FOR _____

PROJECT	APPROPRIATIONS (IN MILLIONS OF DOLLARS)		A	B	C	D	E
	CAPITAL PROGRAM	ESTABLISHED APPROPRIATIONS	PRELIM DISCUSS.	PRELIMINARY PLANS	DETAIL WORKING DRAWINGS	CONST'N	FURNISHINGS
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	2.500					
7 BIOLOGICAL & GEOLOGICAL WING	2.000	2.250					
8 PHYSICAL SCIENCES BLDG. REHABILITATION	.300						
9 COMPOSITE SCIENCES BUILDING	1.550	1.700					
10 BOILERS, ETC.	.500						
11 SOMERVILLE HOUSE ADDITION	1.500						
12 SECOND WOMENS' RESIDENCE	3.200						
13 THIRD ARTS COLLEGE	2.500						
14 EXAMINATION HALL	2.000						
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						

LEGEND PREVIOUS YEARS THIS YEAR TO BE COMPLETED

- A. PRELIMINARY DISCUSSIONS** — including committee work and preparation of a project planning guide.
- B. PRELIMINARY PLANS** — showing functional layout to the approval of the departments concerned and the board.
- C. DETAIL WORKING DRAWINGS** — information for and in liason with the architect and engineers up to and including the reception and assessment of tenders.
- D. CONSTRUCTION** — control and approval of payments.
- E. FURNISHINGS** — layout, design and purchase of furnishings and equipment in consultation with departments; to include all installations.

UNIVERSITY NAVAL TRAINING DIVISION

Report of the Commanding Officer
Lieutenant Commander M. P. Poucher, RCN(R)

The following is a report of proceedings for the University Naval Training Division, The University of Western Ontario, for the period 19 November, 1962 to 3 April, 1963.

Selection Boards

A Selection Board for Promotion of Probationary Cadet to the rank of Cadet for the academic year 1962-1963 was convened by the Commanding Officer UNTD. Thirteen applicants were recommended for promotion. Due to medical problems RICHARD ARTHUR PEART was not attested until 6 January 1963 and formally enrolled in the UNTD. Recommendation for promotion to Cadet was soon to follow attestation.

A Selection Board for promotion to Commissioned Rank was convened by the Commanding Officer, HMCS "Prevost" on 10 April 1963. Four candidates appeared before the Board and all four were recommended for promotion.

Annual Inspection

The Annual Inspection of this University Naval Training Division was carried out during the period 6 and 13 February, 1963 by Lieutenant Commander N. Langham, RCN Staff Officer Cadets. The first part of the inspection was held TRI-SERVICE TRAINING NIGHT at RCAF station CENTRALIA where Air Commodore M. E. Pollard DSO, DFC, AFC, CD RCAF, the Commander Detachment "A" NNRHQ, RCAF Station, North Bay, Ontario, addressed the Cadets and Officers. On completion of TRI-SERVICE "MARCHPAST" LCDR N.D. LANGHAM RCN Staff Officer UNTD Cadets on the staff of Commanding Officer Naval Divisions, Inspected UNTD of The University of Western Ontario. Completion of his annual inspection was held at HMCS PREVOST where LCDR LANGHAM was able to recognize an efficient UNTD while training under normal "drill night" as well as at a "tri-service night".

Released

Three Cadets were released from the Division during this period. At present one further release is pending.

Attendance

The lowest percentage attendance at drill nights has been 70 for this period, and the highest 96. A breakdown of present strength is as follows.

First Year Cadets	14
Second Year Cadets	14
Third Year Cadets	4
ROTP Cadets	5
CTP Cadets	1
Total Active Cadet Strength	38
Officer Strength	7
Total Strength	45

Social and Official Functions

The Tri-Service Cadet Ball was held on board HMCS "Prevost" Friday, 15 February, 1963, sponsored this year by the University Reserve Squadron at The University of Western Ontario.

The University Naval Training Division held its Annual Mess Dinner on the evening of 29 March, 1963, on board "Prevost". Dr. H. B. Mayo, Head of the Political Science Department, Middlesex College, was the guest speaker. This year the UNTD decided in lieu of individual awards, a suitable trophy would be forwarded to HMCS CORNWALLIS to be competed for by UNTD Cadets taking summer training.

The UNTD Officers hosted the Gunroom members in the wardroom prior to securing training for the Christmas season.

All the above social functions were well attended and were quite successful.

Winter Training

Winter Training terminated on Wednesday, 3 April 1963. The Revised Training Syllabus was completed for each year along with the examinations in each subject.

Visits

Commodore Fraser Harris RCN visited HMCS "Prevost" to address The London United Service Institute and the UNTD Cadets.

CANADIAN OFFICERS' TRAINING CORPS

Report of the Commanding Officer
LtCol JH Blackwell

This report covers the period 1 Sep 62 to 31 Aug 63.

A major administrative change took place in the Contingent with effect from 31 Aug 62 when LtCol AE Raymond, CD, relinquished command.

LtCol Raymond has a total length of service in the COTC, in different capacities, of over twenty years in addition to his full-time military service during World War II. He has been a devoted, very popular and much respected Commanding Officer, setting a high standard which will be difficult indeed for his successors to match. We wish him all success in his future activities, and assure him of his welcome at all times to Contingent affairs.

Enrolment and Contingent Strength

After the success of 1961-62 in which a total of 34 personnel were enrolled in 1st Phase and suitable additional candidates had to be rejected, it was disappointing that we just failed to reach our quota in 1962-63. We were given originally a quota of 34 which matched in geographical and Corps distribution the 34 enrolled the previous year; despite modifications to this distribution we were able in the end to enrol 32 only. Statistics for recruiting are as follows:

(a) Total Applications	55
(b) Rejections	
1) medical grounds	1
2) result of personnel selection test	0
3) by university selection board	8
4) late applications	0
5) result of applications withdrawn	14
6) other reasons	0
(c) Total enrolled	32

The total strength of the Contingent as of 31 May 63 was as follows:-

	<u>UWO</u>	<u>Waterloo</u>	<u>Windsor</u>	<u>Total</u>
Contingent Officers	3	2	2	7
COTC	27	25	31	83
ROTP	5	6	5	16
MSP	5	-	-	5

Theoretical Training

Theoretical training was carried out from 25 Sep 62 to 4 Apr 63. Each Detachment paraded one evening per week as follows:

Waterloo University College - Tuesday, 6.00 to 8.00 p.m.

University of Western Ontario - Wednesday, 6.30 to 8.30 p.m.

Assumption University - Thursday, 4.30 to 6.30 p.m.

New theoretical training Standards were taken into use at the beginning of the academic year. In general these are an improvement over the previous Standards (which themselves were not unsatisfactory). The new Standards are more economical in instructional staff since the 2nd and 3rd Theoretical Phases are in large part treated as a single training unit with a two-year programme. They are intended to bring the University theoretical syllabus as close as possible to the Military Studies syllabus at the Canadian Services Colleges, and as a result contain more of the "academic" subjects such as Military History and Geography and less of the purely military subjects like Tactics.

Unit Administration

The University of Windsor is still pressing for the creation of a separate Contingent at that institution. They have of course, the full support of the University of Western Ontario Contingent, especially in view of the vigorous leadership given to the Assumption

Detachment recently by Major PA Deneau. The Detachment has already progressed a certain distance along the path to complete autonomy. During 1962-63 it acquired its own Resident Staff Officer, Capt GS Kells, who combines these duties with those of the Recruiting Officer, Windsor, and an additional Contingent Officer. Capt Kells is, however, under command of CO Univ of West Ont Cont and, inescapably, a large amount of Windsor administration still must be done in London. On the other hand the training commitment of the RSO at Windsor has been taken over completely by Capt Kells.

Another attempt is in progress to change the Contingent badge to one more appropriate to (a) the University of Western Ontario (b) the Army. The existing badge, of inelegant shape, contains the old "Western University" arms and no national or military symbol whatsoever. A committee of past and present officers of the Contingent approved a new design submitted by the 2 I/C, Major Chess, which has now been sent forward to AHQ for approval. It incorporates the present arms of the University of Western Ontario surmounted by the letters COTC and a crown. Similar recommendations have been made in the past without success. It is hoped that the present attempt will have more luck.

During the year AHQ authorized the adoption of Official Marches by University Contingents COTC. Permission has recently been received from 1st The Queen's Dragoon Guards for our Contingent to use "Rusty Buckles" which is part of their Regimental Walk March. It is anticipated that AHQ will approve this shortly.

Special Events

During the academic year, the members of the Contingent participated in a number of social and military functions:

15 Sep	62	Contingent Officers' Conference
Nov	62	Fall Smokers, London and Windsor
9 Nov	62	Special Remembrance Day Parade, Guard of Honour and Memorial Unveiling
21 Nov	62	Tri-Service Parade - Wolseley Barracks, London
12 Jan	63	Tri-Service Ball, Assumption Univ - Windsor

6 Feb	63	Tri-Service Parade - RCAF Station, Centralia
9 Feb	63	COTC Ball, Waterloo
15 Feb	63	Tri-Service Ball - London
23 Feb	63	Assumption Detachment Mess Dinner
23 Mar	63	Contingent Concentration and Mess Dinner
28-30		
May	63	COTC Commanding Officers' Conference - AHQ

Practical Phase Training

A total of 81 members of the Contingent (excluding ROTP and MSP) were despatched for summer training at schools and units of the Canadian Army (Regular).

Of the 38 vacancies for COTC second lieutenants to serve with Canada's NATO Forces in Europe during the summer, five were allotted to members of this Contingent, as follows:

TA 37140	2Lt	RM	Cooper
TA 37168	"	AB	Saunders
TA 37145	"	RD	Earthy
TA 37174	"	EG	Thurston
TA 37170	"	TT	Scott

Attached Regular Personnel in Training

In addition to the 16 ROTP Officer Cadets distributed over the 3 Locations of the Contingent, for the first time in 1962-63 the Contingent was allocated 5 RCAMC personnel being subsidised under the Medical Subsidisation Plan. In future years MSP personnel will be even more closely integrated as all 1st year people under this scheme, unless exempt on the grounds of previous military qualification, will be required to take the normal 1st Theoretical Phase COTC Syllabus.

Contingent Staff 1962-63

The retirement of LtCol Raymond and the attachment of Capt Kells as RSO, Windsor have already been mentioned.

Two Contingent Officers have been added, one to fill the vacancy in London created by the retirement of LtCol Raymond, and one representing an increase of Establishment at Windsor.

They are Capt JA Fulford in London and Capt GA Mascaro in Windsor. Capt Fulford, Assistant Professor of Physics at UWO, served during WW II with the Royal Winnipeg Rifles. Capt Mascaro, a COTC graduate of this Contingent, was transferred from the Windsor Regiment. He is a High School teacher. The ability and enthusiasm of these two officers have already made themselves felt. We welcome them and Capt Kells to the Contingent.

Nominal Roll

Instructional and Administrative Staff

(a) Contingent Officers

Commanding Officer	LtCol JH Blackwell	- RCEME
Second-in-Command	Maj GH Chess	- RCEME
Adjutant	Capt JA Fulford	- COTC
OC Waterloo	Maj JM Clark	- COTC
2 I/C Waterloo	Capt JM Ryan	- RCAMC (Non-med)
OC Windsor	Maj PA Deneau	- COTC
2 I/C Windsor	Capt GA Mascaro	- RCAC

(b) Attached

RSO, London	Capt RK Tomlinson	- LdSH(RC)
RSO, Windsor	Capt GS Kells	- 8CH
Clerk, London	Ssgt Jones, GE	- CWAC

105 UNIVERSITY SQUADRON (RCAF)

Report of the Commanding Officer
W/C John E. K. Foreman

The University of Western Ontario (Primary Reserve) Squadron, RCAF, has undergraduates taking RCAF training under the University Reserve Training Plan (URTP) and the Regular Officer Training Plan (ROTP).

Under the URTP, selected undergraduates take three winters and three summers training to qualify them for commissioned rank in the Reserve or Regular Air Force on graduation from University.

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 at commissioned rank, they are required to serve in the Regular Air Force for a minimum of three years.

The training policy of the Squadron remains basically unchanged from reports of previous periods. This policy may be reiterated as follows:

- (a) To assist in the development of good citizenship and leadership in young men and women.
- (b) To engender in these individuals an awareness of the needs, problems and responsibilities of the RCAF and an understanding of the role of the Armed Services in Canada and Overseas.
- (c) To provide RCAF reserve components with individuals possessing both academic and military training, so that they will be of immediate use in the event of a national emergency.
- (d) To introduce university students to service life, so that they may make an intelligent appraisal of the

advantages of a service career through the ROTP or by enlisting in the Regular Force after graduation.

Squadron Strength

The strength of the Squadron as of 31 March 1963 was as follows:

	<u>UWO</u> <u>London</u>		<u>Assumption</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)	31		7	
ROTP	17		3	
RCAF Regular (Ex-Airmen)	3			
Regular Force Support	<u>2</u>		<u>—</u>	
	56		11	

Totals: 67 Male, 0 Female

During the past academic year, there have been three Regular Force Officers from RCAF Station Centralia attending the one-year diploma course in Business Administration at the University of Western Ontario.

Recruiting

The UWO Squadron 1962-63 recruiting quota for 1st year Officer Cadets was 16 male and 1 female undergraduates in the URTP at UWO and the Assumption University of Windsor. Fourteen male Cadets were eventually accepted and enrolled, 11 from UWO and three from Assumption University of Windsor.

Under ROTP recruiting, five male applicants from UWO and one from Assumption University of Windsor were accepted for 1st year.

Winter Training

The Winter Training for URTP and ROTP Officer Cadets was carried out on Wednesday evenings in the Engineering Science

Building. Lectures by Staff Officers, Faculty Members and guest lecturers were given on RCAF History and Organization, Canadian Law, Military History, World Affairs, Radiation, Military and Social Geography, Canada's North, Effective Speaking, Service Information and Elementary Theory of Flight. The Cadets were encouraged to participate in discussions on military and world affairs topics. During the last academic session, two Tri-Service Parades and integrated lectures were again conducted with the UNTD and COTC at Wolseley Barracks and RCAF Station Centralia. Brigadier AJB Bailey, Commander, 2nd Canadian Infantry Brigade Group, Camp Petawawa, spoke on the Army in the Nuclear Battle Field at the first parade, and Air Commodore ME Pollard, RCAF Station St. Hubert, spoke on the operation of NORAD in the defence of North America on the occasion of the second parade. It is hoped that these Tri-Service lectures will be a continued part of the training of each of the Services in the future.

A special Tri-Service Parade was held in conjunction with the Remembrance Day service at which a Memorial was dedicated to the fallen of World War II. Major General Alexander C. Spencer, CBE, ED, CD, inspected the Guard of Honour and unveiled the memorial plaque.

The Tri-Service Ball was held at HMCS Prevost on 15 February 1963, and the annual Squadron Mess Dinner was held in the Officers' Mess at RCAF Station Centralia on 5 April 1963. Air Vice Marshall JV Harvey, Commanding Officer Northern NORAD Region was guest of honour and speaker at the dinner.

In addition the Squadron was pleased to welcome the following visitors to UWO during the year:

Air Commodore ME Pollard, Northern NORAD Region
Group Captain AH Lieff, Senior Technical Staff Officer, Training
Command Headquarters, Winnipeg
Group Captain LH Randall, Commanding Officer, RCAF Station
Centralia
Flight Lieutenant D Edy (Retired), London, Ontario
Flight Lieutenant D Baker, 104 Squadron, University of Toronto

Summer Training

All first year Cadets 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.

Second and third year cadets proceeded directly to RCAF Stations to continue formal courses or contact training in their specialized branches.

The following third year cadets were selected, on the basis of merit, for summer postings overseas:

- O/C WE Gibson to 3 Fighter Wing, Germany
- O/C CF Kohn to 1 Fighter Wing, France
- O/C LW Loopstra to 1 Fighter Wing, France
- O/C M Pierce to 30 Air Materiel Base, England

Faculty Tours

Dean T. L. Hoskin accompanied the Air Officer Commanding, Air Transport Command on his annual tour of Northern RCAF Units.

Staff

The following comprised the establishment of UWO 105 University Squadron for 1962-63:

- Commanding Officer - W/C John E. K. Foreman
- Chief Training Officer - S/L J.R.W. Gwynne-Timothy
- Staff Officer - F/L W. Bulani
- RCAF Representative, Assumption
University of Windsor - S/L W. G. Benedict
- Resident Staff Officer - F/L G. F. Loucks
- University Support Clerk - CPL. J. V. Forestell

It was a pleasure to welcome F/L G. F. Loucks who joined the Squadron from #2 Fighter Wing overseas in September 1962 as Resident Staff Officer (RCAF). F/L Loucks' appointment also included that of Armed Forces Co-Ordinator on the campus.

Cpl J. V. Forestell, for many years the man behind the scenes but nevertheless a significant guiding influence in the administration of the Squadron affairs, was transferred in June to SHAPE Headquarters, Paris, France. Cpl Forestell's quiet efficiency, his co-operation, and his ever present patience in dealing with Cadets will be keenly missed throughout the whole Squadron.

I wish to express my sincere appreciation to the Squadron Staff, Cadets and Faculty who have extended their support to me during the past year. This co-operation has contributed immeasurably toward both the excellent training program which was offered and the successful year which was again enjoyed by the Squadron.

STAFF CHANGES
FACULTY OF ARTS AND SCIENCE

Retirement

F. Stiling Dean, Faculty of Arts and Science

UNIVERSITY COLLEGE

Retirements

Miss F. K. Montgomery Associate Professor, Department of
 Romance Languages

C. Sivertz Professor, Department of Chemistry

Resignations

F. W. Brownlow Lecturer, Department of English

G. E. Cross Associate Professor, Department of
 Pure and Applied Mathematics and
 Astronomy

Miss M. Davis Instructor, Department of English

C. M. Glennie Lecturer, Department of Pure and
 Applied Mathematics and Astronomy

J. R. Kramer Assistant Professor, Department of
 Geology

J. Sanders Associate Professor, Department of
 Pure and Applied Mathematics and
 Astronomy

J. P. Straub Assistant Professor, Department of
 German

Leave of Absence

G. L. Reuber Professor, Department of Economics
and Political Science

Return from Leave of Absence

R. J. Wonnacott Associate Professor, Department of
Economics and Political Science

Promotions

A. E. Raymond From Professor, Department of Classics,
and Lecturer, Department of History, to
W. Sherwood Fox Professor and Head,
Department of Classics, and Lecturer,
Department of History

G. L. Reuber From Associate Professor to Professor,
Department of Economic and Political
Science

S. G. Peitchinis From Assistant Professor to Associate
Professor, Department of Economics
and Political Science

M. J. Mamalakis From Instructor to Assistant Professor,
Department of Economics and Political
Science

W. E. D. Atkinson From Assistant Professor to Associate
Professor, Department of English

P. D. Fleck From Lecturer, Department of English,
Middlesex College, to Assistant Professor,
Department of English, University College

J. R. W. Gwynne-
Timothy From Assistant Professor to Associate
Professor, Department of History

J. H. Blackwell From Lecturer, Department of Pure and
Applied Mathematics and Astronomy, and
Professor, Department of Physics, to

Promotions (continued)

- Professor, Department of Pure and Applied Mathematics and Astronomy, and Hon. Lecturer, Department of Physics
- J. D. Talman From Assistant Professor to Associate Professor, Department of Pure and Applied Mathematics and Astronomy
- D. O. McKay From Lecturer to Assistant Professor, Department of Pure and Applied Mathematics and Astronomy
- C. M. Glennie From Instructor to Lecturer, Department of Pure and Applied Mathematics and Astronomy
- H. J. Johnson From Assistant Professor to Associate Professor, Department of Philosophy
- S. G. French From Lecturer to Assistant Professor, Department of Philosophy
- R. C. Gardner From Lecturer to Assistant Professor, Department of Psychology
- N. A. Bennetton From Associate Professor to Professor, Department of Romance Languages
- J. Warwick From Instructor to Lecturer, Department of Romance Languages
- F. S. Cook From Assistant Professor to Associate Professor, Department of Botany
- Mrs. A. M. Wellman From Instructor to Lecturer, Department of Botany
- C. J. Willis From Lecturer to Assistant Professor, Department of Chemistry

Promotions (continued)

A. E. Beck	From Assistant Professor and Acting Head, to Associate Professor and Acting Head, Department of Geophysics
G. S. Rose	From Lecturer to Assistant Professor, Department of Physics
T. W. W. Stewart	From Lecturer to Assistant Professor, Department of Physics
Miss M. L. Dresser	From Instructor to Lecturer, Department of Physical, Health and Recreation Education

Appointments

I. Avotins	Lecturer, Department of Classics
R. A. Johnston	Lecturer, Department of Economics and Political Science
R. M. Stingle	Lecturer, Department of English
Miss M. Brock	Instructor, Department of English (From Part-Time to Full-Time)
J. Straub	Assistant Professor, Department of German
B. D. Hill	Lecturer, Department of History
P. Dobson	Lecturer, Department of History
R. N. Bronaugh	Lecturer, Department of Philosophy
H. O. Lobb	Lecturer, Department of Psychology
F. Atance	Instructor, Department of Romance Languages
L. Ignatieff	Professor of Russian Studies

Appointments (continued)

E. W. Warnhoff	Assistant Professor, Department of Chemistry
G. F. W. Lyon	Assistant Professor, Department of Physics
B. E. Brown	Hon. Lecturer, Department of Zoology
G. A. Wearing	Assistant Professor, Department of Physical, Health and Recreation Education

MIDDLESEX COLLEGE

Resignation

S. J. Ward	Instructor, Department of English
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Leaves of Absence

R. G. Woodman	Professor and Head, Department of English
C. F. Klinck	Senior Professor, Department of English

Return from Leave of Absence

P. C. Stratford	Assistant Professor, Department of English
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Promotions

R. N. Kelson	From Assistant Professor to Associate Professor, Department of Economics and Political Science
R. G. Woodman	From Associate Professor and Head to Professor and Head, Department of English

Promotions (continued)

- C. F. Klinck From Professor of Canadian Literature to Professor of Canadian Literature and Acting Head, Department of English (during leave of absence of Professor R. G. Woodman)
- D. R. Hauser From Assistant Professor to Associate Professor, Department of English
- G. A. Wilson From Assistant Professor to Associate Professor, Department of History
- W. C. Henry From Assistant Professor to Associate Professor, Department of Philosophy, and Warden, Medway Hall
- I. Block From Lecturer to Assistant Professor, Department of Philosophy
- Miss M. J. Wright From Associate Professor and Head to Professor and Head, Department of Psychology
- M. M. Schnore From Assistant Professor to Associate Professor, Department of Psychology
- W. J. McClelland From Lecturer to Assistant Professor, Department of Psychology
- R. N. Shervill From Associate Professor and Head to Professor and Head, Department of Romance Languages
- J. Metford From Assistant Professor to Associate Professor, Department of Romance Languages

Appointments

- S.J. Ward Instructor, Department of English

Appointments (continued)

B. W. Hodgins	Lecturer, Department of History
Mrs. M. V. Brizio	Instructor, Department of Romance Languages

COLLEGE OF MUSIC

Promotion

D. A. McKellar	From Assistant Professor, (Part-Time) to Associate Professor
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Appointments

J. S. McIntosh	Assistant Professor (Part-Time)
Miss J. McCullough	Instructor (Part-Time)

FACULTY OF ENGINEERING SCIENCE

Leave of Absence

W. H. Peacock	Lecturer
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Appointments

L. D. Macdougall	Lecturer
K. A. Upton	Lecturer

FACULTY OF MEDICINE

Resignations

D. L. Bartelink	Research Professor, Department of Gross Anatomy
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Leave of Absence

J. J. Seguin Assistant Professor, Department of
Physiology

Promotions

K. P. Strickland From Assistant Professor to
Associate Professor, Department
of Biochemistry

W. L. Magee From Research Assistant to Lecturer,
Department of Biochemistry

A. von Hochstetter From Associate Professor to
Professor, Department of Gross Anatomy

R. C. Buck From Associate Professor to Professor,
Department of Microscopic Anatomy

P. C. Fitzjames From Assistant Professor, Department
of Bacteriology and Immunology, and
Lecturer, Department of Biochemistry,
to Associate Professor, Department of
Bacteriology and Immunology, and
Lecturer, Department of Biochemistry

W. B. Barton From Lecturer to Assistant Professor,
Department of Pathological Chemistry

D. B. Meltzer From Lecturer to Assistant Professor,
Department of Pathological Chemistry

Miss R. C. Aikin From Instructor in Hospital Procedures,
to Special Lecturer, Department of
Medicine

C. F. S. Fisher From Senior Teaching Fellow to
Instructor, Department of Medicine

J. H. C. Douglas From Senior Teaching Fellow to Instructor,
Department of Medicine

Promotions (continued)

- B. C. Brown From Senior Teaching Fellow, to Instructor, Department of Medicine
- H. T. McAlpine From Senior Teaching Fellow, to Instructor, Department of Medicine
- E. R. Plunkett From Senior Teaching Fellow, to Instructor, Department of Medicine
- R. M. McFarlane From Instructor to Assistant Professor, Department of Surgery
- A. M. Lansing From Research Associate and Lecturer (Markle Fellow), Department of Surgery, to Assistant Professor, Department of Surgery
- S. M. Busby From Senior Teaching Fellow to Instructor, Department of Surgery
- S. E. Carroll From Fellow to Instructor, Department of Surgery
- G. G. Copeland From Senior Teaching Fellow to Instructor, Department of Obstetrics and Gynaecology
- G. R. Girvan From Senior Teaching Fellow to Instructor, Department of Obstetrics and Gynaecology
- M. P. Wearing From Senior Teaching Fellow to Instructor, Department of Obstetrics and Gynaecology
- E. R. Plunkett From Senior Teaching Fellow to Instructor, Department of Obstetrics and Gynaecology
- J. M. Growse From Senior Associate to Assistant Professor, Department of Anaesthesia
- Harold Cameron From Instructor to Senior Associate, Department of Anaesthesia

Promotions (continued)

- L. L. DeVeber From Senior Teaching Fellow to Instructor,
Department of Paediatrics
- D. M. Cram From Senior Teaching Fellow to Senior
Associate, Department of Paediatrics
- W. S. Whelen From Acting Teaching Fellow to Teaching
Fellow, Department of Paediatrics
- J. R. Nicholson From Acting Teaching Fellow to Teaching
Fellow, Department of Paediatrics
- G. G. Hinton From Acting Teaching Fellow to Teaching
Fellow, Department of Paediatrics
- J. F. Ballantyne From Senior Associate to Assistant
Professor, Department of Ophthalmology
- F. J. Rounthwaite From Senior Associate, to Assistant
Professor, Department of Otology, Rhinology
and Laryngology
- J. W. Babb From Instructor to Senior Associate,
Department of Otology, Rhinology and
Laryngology
- G. G. Copestake From Assistant Professor and Acting Head,
to Associate Professor and Acting Head,
Department of Diagnostic Radiology
- P. P. Hauch From Senior Associate, to Assistant
Professor, Department of Diagnostic
Radiology
- M. B. Hill From Senior Associate to Assistant
Professor, Department of Diagnostic
Radiology.
- W. L. Teskey From Instructor to Senior Associate,
Department of Diagnostic Radiology

Promotions (continued)

- D. S. Rajic From Instructor to Senior Associate,
Department of Diagnostic Radiology
- J. M. Allcock From Senior Teaching Fellow to
Instructor, Department of Diagnostic
Radiology
- M. A. Bloomfield From Senior Teaching Fellow to Instructor,
Department of Diagnostic Radiology
- W. D. Trusler From Senior Teaching Fellow to Instructor,
Department of Diagnostic Radiology
- J. S. Lott From Assistant Professor, to Associate
Professor and Acting Head, Department
of Therapeutic Radiology
- J. C. Fetterly From Instructor to Lecturer, Department
of Therapeutic Radiology
- J. A. McCredie From Research Fellow to Honorary
Lecturer, Department of Therapeutic
Radiology
- E. R. Plunkett From Research Fellow, to Honorary
Lecturer, Department of Therapeutic
Radiology
- Mrs. C. W. Buck From Associate Professor to Professor,
Department of Psychiatry and Preventive
Medicine
- J. M. Wanklin From Lecturer to Assistant Professor,
Department of Psychiatry and Preventive
Medicine
- W. A. Tillmann From Senior Associate to Assistant
Professor, Department of Psychiatry
and Preventive Medicine

Promotions (continued)

- E. V. Metcalfe From Senior Associate to Assistant Professor, Department of Psychiatry and Preventive Medicine
- D. M. Wickware From Senior Associate to Assistant Professor, Department of Psychiatry and Preventive Medicine
- W. E. Keil From Instructor to Lecturer, Department of Psychiatry and Preventive Medicine
- J. C. Bryce From Fellow to Instructor, Department of Psychiatry and Preventive Medicine

Appointments

- I. A. Walker Assistant Professor, Department of Biochemistry
- L. Hersey Instructor and Research Assistant, Department of Pharmacology
- A. G. Ramsay Instructor, Department of Pharmacology
- D. Hansford Honorary Lecturer, Department of Pharmacology
- M. L. Robinson Instructor, Department of Gross Anatomy
- T. A. Jory Instructor, Department of Gross Anatomy
- J. H. Toogood Honorary Lecturer, Department of Pathological Chemistry
- T. D. McLarty Honorary Lecturer, Department of Pathological Chemistry
- D. C. Bondy Instructor, Department of Medicine

Appointments (continued)

C. A. Stewart	Instructor, Department of Anaesthesia
H. B. Keenleyside	Instructor, Department of Anaesthesia

SCHOOL OF BUSINESS ADMINISTRATION

Resignations

F. W. P. Jones	Dean, School of Business Administration, to remain on Faculty as Professor
F. H. Rowland	Assistant Professor, and Secretary, The Board of Governors. (Continues as Secretary, The Board of Governors)

Leaves of Absence

C. B. Johnston	Assistant Professor
A. Mikalachki	Lecturer
M. Leenders	Lecturer
J. Preston	Lecturer
W. Weber	Lecturer

Returns from Leave of Absence

D. S. R. Leighton	Associate Professor
A. Grindlay	Assistant Professor
S. Martin	Assistant Professor
B. Pearson	Assistant Professor

Promotions

J. J. Wettlaufer	From Associate Professor to Professor and Associate Dean
A. Grindlay	From Instructor to Assistant Professor
S. Martin	From Lecturer to Assistant Professor
B. Pearson	From Lecturer to Assistant Professor
J. Humphrey	From Instructor to Lecturer
J. Kennedy	From Instructor to Lecturer

Appointments

G. Day	Instructor
N. Yarmoshuk	Instructor

SCHOOL OF NURSING

Leave of Absence

Miss E. Healey	Lecturer
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Promotions

Miss E. M. Horn	From Lecturer to Assistant Professor
Mrs. J. Peitchinis	From Instructor to Lecturer

Appointments

Miss A. E. Griffin	Assistant Professor
Miss S. R. Good	Lecturer
Miss L. S. Brown	Instructor
Mrs. V. Wood	Instructor

FACULTY OF LAW

Resignations

A. A. Fatouros	Assistant Professor
J. M. Flackett	Assistant Professor
J. J. Gow	Professor

Promotions

A. A. Fatouros	From Lecturer to Assistant Professor
E. E. Palmer	From Lecturer to Assistant Professor

Appointments

J. M. Flackett	Assistant Professor
R. E. Scane	Assistant Professor

ADMINISTRATION

Promotion

Miss M. May	From Assistant Registrar to Associate Registrar
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Appointment

G. L. Amyot	Admissions Officer, Office of the Registrar
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DEPARTMENT OF BUILDINGS AND GROUNDS

Retirements

V. Coates	Caretaker, Department of Buildings and Grounds
W. Nisbet	Supervisor, Department of Buildings and Grounds

REGISTRATION SUMMARY - WHOLE UNIVERSITY - 1962-63

FACULTY OF ARTS AND SCIENCE

	FULL-TIME		PART-TIME		TOTAL		
	Men	Women	Men	Women	Men	Women	
Middlesex College (General)	456	331	3	1	459	332	
Middlesex College (Honors)	129	104	-	-	129	104	1024
University College (General)	813	419	25	15	838	434	
University College (Honors)	293	131	-	-	293	131	1696
The College of Music	19	37	1	-	20	37	57
	<u>1710</u>	<u>1022</u>	<u>29</u>	<u>16</u>	<u>1739</u>	<u>1038</u>	<u>2777</u>
Correspondence			305	172	305	172	
Extension			480	391	480	391	
Summer School			1069	593	1069	593	
			<u>1854</u>	<u>1156</u>	<u>1854</u>	<u>1156</u>	3010
Duplicates			470	278	470	278	748
			<u>1384</u>	<u>878</u>	<u>1384</u>	<u>878</u>	<u>5039</u>
<u>The Affiliated Colleges</u>							
Huron College	393	124	4	-	397	124	521
Brescia College	2	178	-	5	2	183	185
College of Christ the King.....	252	-	11	24	263	24	287
St. Peter's Seminary	63	-	3	-	66	-	66
	<u>710</u>	<u>302</u>	<u>18</u>	<u>29</u>	<u>728</u>	<u>331</u>	<u>1059</u>
TOTALS	2420	1324	1431	923	3851	2247	6098
	<u>=====</u>	<u>=====</u>	<u>=====</u>	<u>=====</u>	<u>=====</u>	<u>=====</u>	<u>=====</u>

OTHER FACULTIES AND SCHOOLS (undergraduate)

Business School	130	-	-	-	130	-	130
Engineering Faculty	206	1	8	-	214	1	215
Law Faculty	121	2	-	-	121	2	123
Medical Faculty	209	23	-	1	209	24	233
Nursing School	1	188	-	-	1	188	189
UNDERGRADUATE TOTALS ...	<u>3087</u>	<u>1538</u>	<u>1439</u>	<u>924</u>	<u>4526</u>	<u>2462</u>	<u>6988</u>

FACULTY OF GRADUATE STUDIES

Arts and Science	193	24	26	13	219	37	256
Business Administration	214	1	1	-	215	1	216
Engineering	4	-	-	-	4	-	4
Medicine	25	2	1	-	26	2	28
Nursing	-	7	-	3	-	10	10
	<u>436</u>	<u>34</u>	<u>28</u>	<u>16</u>	<u>464</u>	<u>50</u>	<u>514</u>

UNIVERSITY TOTAL ENROLMENT

	<u>3523</u>	<u>1572</u>	<u>1467</u>	<u>940</u>	<u>4990</u>	<u>2512</u>	<u>7502 (net)</u>
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The overall net increase is 2.39% (M. C., U. C. and College of Music are up 10.2%, while Corr., Ext., and S. S. are down 8.7%)

The proportion of men to women:	1962-63	66.52%	33.48%
	1961-62	67.26%	32.74%
	1960-61	68.09%	31.91%

OCCUPATIONS OF STUDENTS' PARENTS

<u>OCCUPATIONS*</u>	<u>Number of Students</u>	<u>Percentage of Students</u>
Agriculture	1122	14.4%
Business (unspecified).....	412	5.3%
Construction	326	4.2%
Finance	562	7.2%
Fishing	7	.1%
Labour (unspecified)	306	4.8%
Lumbering	34	.4%
Manufacturing	973	12.5%
Mining	104	1.3%
Service: Custom and Repair.....	361	4.6%
Domestic and Personal	125	1.5%
Professional:		
Education	355	4.5%
Engineering	210	2.7%
Health (Doctors, Dentists, Optom- etrists, Druggists, and Laboratory Technicians).....	441	5.7%
Law	132	1.7%
Religion	130	1.6%
Miscellaneous		
Artists and Musicians	17	.2%
Entertainment.....	37	.4%
Publications	69	.9%
Social Science.....	18	.2%
Public Service:		
Municipal, Provincial, Federal...	401	5.2%
Trade	1020	13.1%
Transportation	365	4.7%
Retired	47	.6%
Deceased (former occupation not given)	88	1.1%
Unreported	88	1.1%
	7750	100.0%
less part-time duplicates	248	
	<u>7502</u>	

*These are the categories used by the Dominion Bureau of Statistics

WINNERS OF ONTARIO SCHOLARSHIPS

The students listed below were granted Ontario Scholarships of \$400 each in recognition of their having obtained an average of at least 80% on eight Grade XIII papers written in June, 1962. They enrolled at this University in September in the Faculty, School, or College indicated.

Code: U.C. - University College; M.C. - Middlesex College;
Eng. - Faculty of Engineering Science; St.P. -
St. Peter's and Christ the King Colleges.

<u>Name of Student</u>	<u>Home Address</u>	<u>Enrolled In</u>
Judith M. Ash	Toronto	M.C.
Dennis J. Bishop	Welland	Eng.
Frances Jean Bishop	Norwich	M.C.
Sharon F. Blackshaw	Sarnia	U.C.
Carol A. Bondy	Harrow	U.C.
Henry Brouwer	Eberts	U.C.
Walter J. Burton	Chatham	U.C.
Helena Cayless	London	U.C.
V. Dianne Crossett	Islington	U.C.
Berdina Grace Dixon	London	U.C.
K. Ruth Doig	St. Thomas	U.C.
Keith E. Donnelly	London	Eng.
Mary T. Dow	London	U.C.
Aija Dreimanis	London	U.C.
Sheila A Fallona	London	U.C.
Jerry H. Farrell	Jordan	M.C.
William R.M. Graham	Kirkland Lake	U.C.
Patricia Gratton	Sault Ste. Marie	U.C.
Bernhard Heersink	Burlington	U.C.
Grace Hoogkamp	Woodstock	M.C.
Frances L. Horowitz	London	M.C.
Kathryn M. Jarvis	Weston	M.C.
Mary Lois Jeffery	Elgin	M.C.
Patricia Kemp	London	U.C.
Holger Kreek	London	U.C.
Judith L. Kutt	London	U.C.
Patricia E. Laidlaw	London	M.C.
Theodor W. Melnyk	Rodney	U.C.

Winners of Ontario Scholarships (cont'd)

<u>Name of Student</u>	<u>Home Address</u>	<u>Enrolled In</u>
Richard D. Merritt	London	U.C.
K. Gerard Neave	Sarnia	U.C.
David Leigh Neill	Elmira	U.C.
W. Paul Nisbet	Cooksville	U.C.
Frederick A. Ollson	London	U.C.
Maureen Patricia O'Malley	Kingsville	M.C.
Edward Danby Ralph	London	U.C.
Ian M. Richmond	London	M.C.
Shirley Robinson	London	U.C.
Meredith A. Rogers	London	U.C.
Sharyn M. Rossiter	London	U.C.
Katharine Schwitan	Ingersoll	U.C.
Sandra L. Scott	Ottawa	U.C.
Robert Shirley	Watford	M.C.
Paula C. Skippon	Sarnia	U.C.
Eddy Smet	Delhi	U.C.
Bonita Jean Smith	Warwick Village	M.C.
Sandra J. Snider	Exeter	U.C.
Shonnie M. Swales	Point Edward	M.C.
C. Eric Tull	London	U.C.
Christel K. Understadt	London	M.C.
Wilhelm J.B. VanZanden	Komoka	U.C.
Gerald J. Vullings	Eganville	St. P.
Harold Ross Watts	Tillsonburg	U.C.
M. Victoria Wheeler	Belleville	Eng.
Kenneth L. Willan	Wheatley	U.C.

THE DEANS' HONOURS LIST

The following is the list of undergraduate students with first class honours working toward a first degree in each Faculty. Extension and Summer School students are not included.

The Faculty of Arts and ScienceBrescia College

Hayek, Albert
Ho, Gloria
MacNicol, John

MacDonald, Sister Francis
Carmel
Rathbun, Catherine J.

Huron College

Ainslie, Mary Ann
Crawford, Ronald Edgar
Danks, Herbert Edward
Feheley, Sylvia Louise

Haley, Graham
Jago, Charles J.
Owen, Leonard

St. Peter's Seminary College of ArtsSt. Peter's

Browne, John W.
MacIsaac, Melvin
Rody, Phillip Joseph

Shaughnessy, John David
*Spalding, Roger Arnold

Christ the King

Carbone, Martin E.
Fay, Francis

Fitzpatrick, Michael J.
Gilhuly, James J.

College of Music

Von Hochstetter, Andrea

Middlesex College

Aitken, Robert Michael
Anderson, Joan Kathleen
Ash, Judith Marilyn

Beatty, Carol A.
Bezaire, Sara Elizabeth
Bishop, Francis J.

Middlesex College (cont'd)

Brown, Margaret Joan
Carter, Susan
Castle, Sandra Charmain
de Zwart, Tanny
Farrell, Jerry Haines
Ferguson, Patricia Jean
Gow, Tyrone Trenton
Grant, E. Kenneth
Grigat, Holger
Handelsman, Paulette
Hoogkamp, Grace
Horowitz, Frances Leah
Hughes, John Edwin
Kemp, Patricia Anne
Laidlaw, Patricia E.
Lawson, Ruth M.
Lindores, Douglas Peter
McCallum, John Duncan
McCormick, Donald Neill
McEwing, Wayne Bruce
McNally, Mary Jean

McNiven, Carolyn Ann
Meadows, Gary Arthur
Medd, Eileen Elizabeth
Mitchell, Heather Jean
Olmstead, John
O'Malley, Maureen Patricia
Pagnucco, Daniel Guido
Pegg, Patricia Helen
Richardson, Robin Mark
Richmond, Ian McKenzie
Ridout, Derek M.
Robinson, M. P. Sinclair
Sheaham, Judith
Shirley, Robert Donald
Stackhouse, Mary Anne
Swales, Shonnie Marie
Waldron, Ian
Watson, Peter
Weppler, James Edmond
Willis, Robert Francis
Zimmer, Bruce Edward

University College

Bender, Mark Dale
Bennett, Brian S.
Bigelow, William J.
Bondy, Carol Ann
Brown, Evelyn Elaine
Carey, Leonard Roy
Chambers, Wilfrid Douglas
Clark, David A.
Cronkwright, Jack E.
Crossett, J. Dianne
De Boer, Gerrit
Devlin, Margaret Corinne
Dickson, Ann E.
Doig, Kathleen R.
Dreimanis, Aija

Dynes, Robert C.
Eade, Sandra Kay
Elford, Robert Wayne
Fallona, Sheila A.
Fysh, Jean Stewart
Gingrich, Paul Arnold
Gutcher, Robert Oscar
*Guthrie, James Peter
Haddad, Lew M.
Hamacher, Jane Helen
Hamill, Doris Elizabeth
Henneker, William Harrison
Hierlihy, R. Douglas
Hindmarsh, Carol
Hoeksema, Maaike

University College (cont'd)

Hornby, David Brock
Jaaku, Andres
Jackson, Clarence Harold
Jackson, William Bruce
Kavelaars, Bro. Joseph
Kaye, Patricia Linda
Kennedy, Carole Dawn
Knill, Richard Lyall
Leeson, Gerald Frederick
Lockyer, Margaret Ann
Luinstra, Edward A.
McCallum, Mary E.
MacDougall, Rodney Gordon
MacKay, Gordon F.
McLean, Gary Neill
Marriage, Paul
Matatall, Sharon Rayner
Mead, Ernest Roy
Melnyk, Theodor
Merrill, Ruth
Minshall, Gaye Carol
Nash, Wesley Arthur
Neave, Kendal G.
Ollson, Frederick
Page, Jack Stewart
Pegelo, Marilyn
Perrie, Donald J.
Phillips, Kent McKenzie
Pitts, Thomas D.
Preston, Joan Muriel
Ralph, Edward Danby

Rossiter, Sharon
Russell, Peter Cleland
Sargeant, Walter J.
Scott, Sandra Louise
Silcox, James Albert
Smet, Eddy Frank
Smith, Phyllis Jane
Smith, Susan Elizabeth
Sourwine, Dianne Joyce
Spicer, Carol Lee
Sweet, Frederick Delmer
Tackaberry, Mary Elizabeth
Thomson, Jo Ann
Timar, Susan
Tucker, Frank William
* Tull, Charles Eric
Vandermeer, John P.
Van Zanden, Wilhelm
Warren, Charles Herbert
Watts, Harold Ross
* Weaver, Jim Gordon
Weichman, Dennis I.
* Whiting, Gordon
Whitwill, Mary Lou
Willan, Kenneth Leroy
Wither, Glen Stuart
Wright, Sheila
Yeats, Ian Fergus
Zelman, Muriel Jeanne

The School of Business Administration

(on the recommendation of the Dean)

Bailey, John K.
Betteridge, Richard D.
Catena, Paul F.
Homeniuk, Thomas Fred

MacGregor, Duncan Peter
Richmond, John Paul
Wood, John Frederick

The Faculty of Engineering Science

Bedell, Philip R.	Parish, Hugh William
Bishop, Dennis	Pollard, Michael D.
Donnelly, Keith Edwin	Robinson, Terrence Stuart
* Grace, John	Schebesch, Daniel
Harvey, Kenneth	Stass, Leonard G.
Kortschinski, Juri	Trick, William T.
McGovern, David L.	Van Arnhem, Peter
McKay, Ival Garfield	Warren, Jack
McPhail, Robert Earl	Wheeler, Victoria
Ola, Samuel	Woloshyn, Stephen

The Faculty of Law

(on the recommendation of the Dean)

Hinnegan, Kenneth A.	Sherman, Sheldon L.
Jenkins, Donald W.	Smith, David Crawford
Johnson, Sandra M.	Smith, R. Paul G.
Oosterhoff, Albert H.	Yachetti, Roger D.
Rayner, Wesley B.	

The Faculty of Medicine

De Jonge, Christina	Hollands, Raymond Henry
Dreimanis, Mara	Johnston, James Gregory
Edmonds, Merrill Walter	Kirk, Mary Ellen
Edwards, Dale Virginia	McDade, Dorothy Frances
Ferguson, Gary Gilbert	Reid, William Donald
Gibson, Gary Allan	Sharpe, James Arthur
Girvan, David Pugsley	Thomson, David Marshall Parks
Grace, David Michael	Wigle, Donald Theodore
Harrington, Ian James	Willis, Neil Roderick
Henderson, Donald James	Wylie, Richard Elmer
Hiscox, James Leslie	Yuzpe, Abraham Albert

* Average at least 85%

PUBLICATIONS OF THE FACULTY
AND GRADUATE STUDENTS

UNIVERSITY COLLEGE OF ARTS & SCIENCE

Department of Botany

Cook, F. S. "Giant puff-balls in London," The Cardinal, XLIV, (1963), 5.

Husain, S. S. and McKeen, W. E. "Interaction between strawberry roots and *Rhizoctonia fragariae*", Phytopathology, LIII (1963), 541-545.

_____. *Rhizoctonia fragariae* sp. nov. in relation to strawberry degeneration in Southwestern Ontario, Phytopathology, LIII (1963), 532-540.

McKeen, W. E. "The flagellation, movement and encystment of some Phycomycetous zoospores," Canadian Journal of Microbiology, VIII (1962), 897-904.

Phipps, J. B. "*Ischaemum roseotomentosum* - a new species of Gramineae from Southern Rhodesia", Kirkia, III (1963), 30-32.

_____. "A review of weed control practices in Southern Rhodesia." Handbook of the Department of Conservation and Extension of the Federal Ministry of Agriculture, Rhodesia and Nyasaland, (1963), 1-8.

Royle, D. J. and Hickman, C. J. "Phytophthora cinnamomi on highbush blueberry", Plant Disease Reporter, XLVII (1963), 266-268.

Wild, H. and Phipps, J. B. "Simaroubaceae", in Flora Zambesiaca, II, Part 1 (1963), 210-220.

Wilson, D. G. "Organic acids of *Bryophyllum calycinum*. The isolation of monopotassium isocitric lactone," Canadian Journal of Biochemistry and Physiology, XLI (1963), 1571-1580.

Department of Chemistry

- Ayer, W. A., McDonald, C. E., and Stothers, J. B. "The stereochemistry of maleopimaric acid and the long-range shielding effect of the olefinic bond", Canadian Journal of Chemistry, XLI (1963), 1113-1126.
- Bains, M. S. and Bradley, D. C. "Coordination complexes of metal alkoxides. Part I. Metal alkoxide-hydrazine complexes", Canadian Journal of Chemistry, XXXX (1962), 1350-1354.
- _____. "Coordination complexes of metal alkoxides. Part II. Metal alkoxide-ethylenediamine complexes," Canadian Journal of Chemistry, XXXX (1962), 2218-2228.
- Birchall, J. M., Bloom, A. J., Haszeldine, R. N. and Willis, C. J. Perfluoroalkyl derivatives of nitrogen. Part X. "The reaction of nitric oxide with tetrafluoro-ethylene and the formation of a nitroso-polymer", Chemical Society, Journal (1962), part III, 3021-3032.
- Bradley, D. C. "Polymeric metal alkoxides, organometalloxanes and organometalloxanosiloxanes", In F. C. A. Stone, and W. A. G. Graham, eds., Inorganic Polymers, Academic Press Inc., New York, N. Y. (1962), 410-446.
- _____, and Hill, D. A. W. "Reactions of titanium tetrachloride with ethoxychlorosilanes", Chemical Society, Journal (1963), 2101-2107.
- Bradley, D. C. and Holloway, H. Metal oxide alkoxide polymers. Part V. "The hydrolysis of some alkoxides of tin (IV), cerium (IV), and uranium (V)," Canadian Journal of Chemistry, XL (1962), 1176-1182.
- Bradley, D. C., Kapoor, R. N. and Smith, B. C. "Alkoxides of uranium (IV)", Journal of Inorganic and Nuclear Chemistry, XXIV (1962), 863-867.
- _____. Organoziloxy-derivatives of metals. Part II. "Trialkylsilyloxides of quinquevalent and sexivalent uranium", Chemical Society, Journal (1963), 204-207.

- _____. Quinquevalent compounds of uranium. Part III. "Uranium penta-alkoxides", Chemical Society, Journal, (1963), 1023-1027.
- Bradley, D. C. and Kunchur, N. R. "The polymeric structure of mercury methyl mercaptide", Chemistry and Industry (1962), 1240-1241.
- Bradley, D. C. and Mehta, M. L. "Alkoxides of vanadium (IV)", Canadian Journal of Chemistry, XL (1962), 1183-1188.
- _____. "Vanadium Trialkoxides and some alcoholates of vanadium trichloride", Canadian Journal of Chemistry, XL (1962), 1710-1713.
- Bradley, D. C. and Frevedorou-Demas, C. Metal oxide trialkylsilyloxiide polymers (polytrialkylsiloxanometalloxanes). Part I. "Titanium oxide trimethylsilyloxiide polymers", Canadian Journal of Chemistry, XLI (1963), 629-635.
- Bradley, D. C. and Thomas, I. M. Metallo-organic compounds containing metal-nitrogen bonds. Part III. "Dialkylamino-compounds of tantalum", Canadian Journal of Chemistry, XL (1962), 1355-1360.
- Bradley, D. C. and Torrible, E. G. Metallo-organic compounds containing metal-nitrogen bonds. Part IV. "Some bis-(primary amino)-titanium compounds", Canadian Journal of Chemistry, XLI (1963), 134-138.
- Buchanan, R. L., Dean, F. H., and Pattison, F. L. M. "Gamma-fluoroglutamic acid", Canadian Journal of Chemistry, XL (1962), 1571-1575.
- Chan, R. K., and McIntosh, R. "The heterogeneous and homogeneous thermal decompositions of nickel carbonyl", Canadian Journal of Chemistry, XL (1962), 845-855.
- Davidson, T. A., Hollands, T. R. and de Mayo, P. "Chaparrin, the bitter principle from *Castela Nicholsoni*", Tetrahedron Letters, 23, (1962), 1089-1093.

Dear, R. E. A., and Pattison, F. L. M. Toxic Fluorine compounds. XVIII. "The synthesis of the toxic principle of Dichapetalum toxicarium (18-fluoro-cis-9-octadecenoic acid) and related w-fluoro unsaturated acids", American Chemical Society, Journal, LXXXV (1963), 622-626.

de Mayo, P. (ed.), Molecular rearrangements, Vol. 1, (1963), New York, N. Y., Interscience Publishers, xii, 706 p.

_____, and Reid, S. T. "Photochemical syntheses. The photo-oxidation of pyrrole", Chemistry and Industry, (1962), 1576-1577.

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SCHOOL OF NURSING

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AFFILIATED COLLEGES

Brescia College

Department of English

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Department of Economics

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Department of English

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Department of Hebrew

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ST. PETER'S SEMINARY COLLEGE OF ARTS

Christ the King College

Department of Romance Languages

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SCHEDULE OF RESEARCH FUNDS
FOR THE YEAR ENDED JUNE 30, 1963

FACULTY OF MEDICINE

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Sundry Donors	Dr. J. H. Toogood	Allergy Research
Atkinson Charitable Foundation	Prof. A. H. Neufeld	For purchase of Auto-Analyser
J. P. Bickell Fdn.	Prof. C. W. Gowdey	Central effects of clinically-used muscle relaxants
Sundry Donors	Prof. W. E. G. A. Spoerel	Research re Anaesthesia
Burroughs-Wellcome Co.	Prof. G. W. Gowdey	Medical Research
Ont. Junior Red Cross	Prof. R. J. Rossiter	Research professorship in biochemistry relating to mental retardation
Ont. Cancer Treatment & Research Fdn.	Prof. E. R. Plunkett	A study of the role of chemotherapy in gynaecological malignancy
Ciba Co. Ltd.	Prof. C. W. Gowdey	Investigation of Bradosol
Ont. Cancer Treatment & Research Fdn.	Prof. E. R. Plunkett	Clinical and laboratory studies of tumours influenced by variation of their steroid hormonal environment
Ont. Cancer Treatment & Research Fdn.	Prof. J. S. Lott & Prof. Carol Buck	Study of the role of psychological factors in the course and prognosis of human cancer

FACULTY OF MEDICINE

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Dr. J.B. Collip Trust Fund	Prof. J.B. Collip	Medical Research
Cancer Research Fund	Dean O. H. Warwick	Cancer Research
Ont. Cancer Treatment & Research Fdn.	Prof. C.G.Drake	Investigation of the effects of gamma radiation on malignant brain tumours
Ont. Cancer Treatment & Research Fdn.	Prof.E.R. Plunkett	Investigation of the endocrine aspects of cancer in humans
Defence Research Board	Prof. Y.S. Brownstone	The use of short chain ribosides as blood preservatives
"	Prof. C.W.Gowdey	Studies on decompression aeroembolism
"	Prof. C.W.Gowdey	Physiological mechanisms involved in the oxygen paradox
"	Prof. A.C.Burton	Changes in muscle after cold acclimatization
"	Prof. J.A.F. Stevenson	Metabolic reactions to dietary temperature and traumatic stresses
"	Prof. A.C.Burton	Reaction of men and animals to cold and camp
"	Prof. C.W.Gowdey	The effect of changes in Oxygen Tension on Sympatho-Adrenal and other systems

FACULTY OF MEDICINE

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Defence Research Board	Prof. A.C.Burton	High oxygen effects on visual function
"	Prof. A.C.Burton	Salivary secretion as index to tension-fatigue
R.W.Frost, Esq.	Dr. G. E. Hall	Medical Research
Charles E.Frosst & Company	Prof.R.A.H.Kinch	Clinical Research on Trichomycin
Anna Fuller Fund	Dr. K. Hoshino	Cancer Research
F.W.Horner Ltd.	Prof. C.W.Gowdey	A study of troxonium tosylate
Dept. of National Health & Welfare	Prof. G.E.Hobbs	Chronicity in Schizophrenia
"	Prof. J.A.F. Stevenson	An investigation of perinatal physiology and mortality
"	Prof. C.W.Gowdey	Schizophrenia
"	Prof. G.H. Valentine	Chromosomal patterns in parents
"	Prof. R.A.H.Kinch	Perinatal mortality study
Ontario Heart Foundation	Dr. G.A. Sears	Cardiovascular research
"	Prof. A.H. Neufeld	The study of atherosclerosis
Dept. of National Health & Welfare	Prof. N.M.Lefcoe	Air pollution

FACULTY OF MEDICINE

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Department of National Health & Welfare	Prof. G.E.Hobbs	Senile Dementia
"	Prof. G.E.Hobbs	Post-graduate training in psychiatry
"	Prof. M.L.Barr	Chromosomal abnormalities in mental deficiency
Ontario Heart Foundation	Dr. G.W.Manning	Clinical cardiovascular research
Ontario Heart Foundation	Prof. A.D. McLachlin	Research Associateship - Dr. A.M. Lansing
"	Prof. N.M.Lefcoe	Capital Equipment Grant
"	Prof. A.M.Lansing	Cardiovascular research
"	Prof. F.S.Brien	Medical research fellowships
"	Prof. A.C.Burton	Spread of heart sounds - supplementary
"	Prof.A.H.Neufeld	The study of arterosclerosis - supplementary
"	Prof. K.K.Carroll	Medical research
"	Prof. A.C.Burton	Medical Research
Mrs. W.F.Herman & Mr.W.L. Clark	Dean O.H.Warwick	Medical research fellowship
Dept. of National Health & Welfare	Prof. E.R.Plunkett	Endocrine abnormalities in mentally retarded patients

FACULTY OF MEDICINE

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Dept. of National Health & Welfare	Prof. G.E.Hobbs	Neuropsychiatric consequences in children
"	Prof. N.M.Lefcoe	Bronchial disease
Ontario Heart Fdn.	Dr. G.W.Manning	Cardiovascular research
Dept. of National Health & Welfare	Prof. W.C.McMurray	Metabolic disorders
Ontario Heart Fdn.	Prof. G.W.Manning	Medical research associateship
Dept. of National Health & Welfare	Prof. G.E.Hobbs	Neuropsychiatric disorders in children
Dept. of National Health & Welfare	Prof. E.R.Plunkett	Endocrine and metabolic aspects of mental deficiency
Dept. of National Health & Welfare	Prof. W.C. McMurray	Investigation of the nervous system
Ontario Heart Fdn.	Prof. A.C.Burton	Spread of heart sounds
"	Dr. J.C.Coles	Heart research
Joseph Kennedy Jr., Foundation	Prof. M.L.Barr	Mental retardation
Can. Life Ins. Officers' Ass'n.	Prof. J.C.Rathbun	Fellowship - Dr. L. L. De Veber
Life Insurance Medical Research Fund	Prof.A.C.Burton	The biophysics of blood flow
American Cyanamid Co.	Prof. R.J. Rossiter	Lederle medical student research fellowship

FACULTY OF MEDICINE

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Life Insurance Medical Research Fund	Prof. K.K. Carroll	The relation of fatty acids to sterol synthesis
F.K. Morrow Fdn.	Prof. G.E. Hobbs	The relation of population changes to health and disease
Sundry Donors	Prof. G.W. Manning	Dept. of Medicine, cardio- vascular research
J. McClary Memorial Fund	Prof. G.E. Hobbs	Research in industrial medicine
The Muscular Dystrophy Ass'n. of Canada	Prof. K.P. Strickland	Morphological and chemical changes in myasthenia-like conditions
John & Mary R. Markle Fdn.	Prof. A.M. Lansing	Markle Fellowship
The D.H. McDermid Memorial Fund	Prof. M.L. Barr	Medical Research
The Muscular Dystrophy Ass'n. of Canada	Dr. J.J. Seguin	Fellowship for Research
John & Mary R. Markle Fdn.	Prof. D.P. Swartz	Markle Fellowship in medical science
Dr. A.D. McLachlin	Dr. J. Sweeney	Fellowship re research
"	Prof. A.M. Lansing	Fellowship re research
"	Dr. J.C. Coles	Research in vascular surgery
Mead Johnson of Canada Ltd.	Dr. H.H. Allen	Obstetrical Research Fund

FACULTY OF MEDICINE

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Multiple Sclerosis Society of Canada	Prof. K.K. Carroll	Experimental and clinical studies with long-chain monounsaturated fatty acids in relationship to multiple sclerosis
"	Prof. K.K. Carroll	A controlled clinical study to evaluate the treatment of multiple sclerosis
National Multiple Sclerosis Society	Prof. R.J. Rossiter	Metabolism of myelin
Estate of the late Elizabeth Moore	Dean O.H. Warwick	Cardiology research
Dr. A.D. McLachlin	Dr. T.D. McLarty	Fellowship
"	George De Young	Fellowship in medical research
Muscular Dystrophy Ass'n. of Canada	Prof. H.C. Soltan	Medical research
Dr. A.D. McLachlin	E. Meads	Fellowship
Wm. S. Merrill Co.	Prof. C.W. Gowdey	The investigation of a new compound for suppression of lactation
Medical Research Council	Dean O.H. Warwick	Summer scholarship
"	Prof. E.G.D. Murray	Viability of sealed cultures of bacteria
"	Prof. A. von Hochstetter	Connective tissue, its functional structure and changes due to age

FACULTY OF MEDICINE

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Medical Research Council	Prof. R. M. McFarlane	The blood supply of pedicle flaps
"	Prof. P. C. Fitz-James	Macromolecular synthesis in Bacillus species
"	Prof. H.B. Stewart	The cytological organization and metabolic properties of yeast
"	Prof. H.A.L. Skinner	Anatomy and radiology of the spinal cord
"	Prof. K. P. Strickland	The biosynthesis of phospholipids
"	Dean O.H. Warwick	Medical research
National Research Council	Prof. J.B. Collip	For bacteriological research
Medical Research Council	Prof. G.W. Stavraky	Responses of partially isolated structures to chemical reflex and electric stimulation
"	Prof. A.C. Burton	Energetics of vascular smooth muscle
"	Prof. P.C. Fitz-James	Medical research associateship
Medical Research Council	Prof. A.H. Neufeld	Metabolic changes in disease with emphasis on proteins
"	Prof. R.G.E. Murray	General and cytological studies of bacteria, fungi and related matter

FACULTY OF MEDICINE

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Medical Research Council	Prof. A.D. McLachlin	Study of the effect of hypothermia on myocardial activity
"	Prof. M.L. Barr	Studies in human genetics
"	Prof. C.W. Gowdey	Study of function and pharmacology of the sympathetic nervous system
"	Prof. M.L. Barr	Cytogenetics and sex anomalies
"	Prof. K. P. Strickland	Medical research associateship
"	Prof. J.B. Collip	Consolidated grant for medical research
"	Prof. R.J. Rossiter	Biochemistry of the nervous system
"	Prof. R.C. Buck	An electron microscopic study of the membrane of mammalian cells in mitosis
"	Dr. A.G. Ramsay	The influence of parathyroid hormone and respiratory alkalosis on ionic excretion
"	Prof. J.A.F. Stevenson	The role of the nervous and endocrine systems in the regulation of energy, water and electrolyte exchange

FACULTY OF MEDICINE

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Medical Research Council	Dr. J.T.Hamilton	Closer study of the synaptic blockade produced by new and by commonly-used agents
"	Dr. D. C. Bondy	Gastro-intestinal studies
"	Prof. C.W.Gowdey	Studies with alpha-glyceryl ethers
"	Prof. W.C. McMurray	Biochemical investigations of the developing nervous system
"	Prof. W.E. Spoerel	The effect of anaesthesia on the tolerance of the brain to ischemia and anoxia
"	Prof. K.K.Carroll	Medical research associateship
"	Dr. J.R. Beaton	Grant in connection with medical research associateship
"	Prof. R.C. Buck	Special grant for equipment
"	Prof. H.B.Stewart	Special grant for equipment
"	Prof. P.C. Fitz-James	Special grant for equipment
"	Prof. E.G.D. Murray	Special grant for equipment

FACULTY OF MEDICINE

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Medical Research Council	Prof. W.C. McMurray	Special grant for equipment
"	Prof. K. P. Strickland	Special grant for equipment
"	Prof. R.G.E. Murray	Special Grant for equipment
National Cancer Institute	Prof. R.C. Buck	The ultra structure of tumour cells
"	Prof. R.J. Rossiter	Medical research
"	Prof. A.C. Wallace	Medical research
"	V. Donish	Fellowship
"	Prof. Y.S. Brownstone	Medical research
"	Prof. K.K. Carroll	Medical research
"	Dr. J. Purko	Fellowship
"	Prof. H.B. Stewart	Medical research
Ortho Pharmaceutical Ltd.	Prof. E.R. Plunkett	Research in the field of infertility and gynaecological endocrinology
Ortho Pharmaceutical Ltd.	Prof. R.A.H. Kinch	Ortho progestin study
"	Prof. R.A.H. Kinch	To investigate the possible hypertensive effect of progestational studies

FACULTY OF MEDICINE

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Ontario Mental Health Fdn.	Prof. C.W.Gowdey	Effects on animal behavior of serum from schizophrenic patients
Poulenc Limited	Prof. C.W.Gowdey	Medical research
Sundry donors	Prof. J.A.F. Stevenson	Miscellaneous research in physiology
Dept. of Health, Education & Welfare (U.S.)	Prof. A.C.Burton	Study of surface forces and shape of blood cells
National Science Fdn.	Prof. J.A.F. Stevenson	Influence of hypothalamus on growth and development
Smith, Kline & French Laboratories	Prof. C.W.Gowdey	Studies on the common cold
Estate of Evelyn M. Sandor	Prof. A.C.Wallace	Cancer research
National Sanatorium Association	Dr. J.H. Toogood	A study of the elastic properties of the bronchi
Col. J.E.Smallman	Prof. A. D. McLachlin	J.E.Smallman urological research
U.S. Vitamin Corporation	Prof. R.A.H.Kinch	Investigation into the prevention of placental pathology
John Wyeth & Bro. (Canada) Ltd.	Dean O.H.Warwick	Medical research - special
The Henry Wolf Memorial Fund	Prof. G.W.Manning	Cardiovascular research

FACULTY OF MEDICINE

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Medical Research Council		Consolidated advance accounts

FACULTY OF ARTS AND SCIENCE

Abbott Laboratories Limited	Prof. P. de Mayo	Chemical Research
American Chemical Society	Prof. P. de Mayo	Chemical Research
Dept. of Agriculture - Canada	Dr. A.W.A. Brown	Genetics of insecticide resistance in the onion maggot
The American Chemical Society	Dr. J.B. Stothers	Organic applications of nuclear magnetic resonance spectroscopy
Alcoholism Research Foundation	Dr. G.H. Turner	The use of hypnosis in conjunction with other forms of therapy in the re-education of Alcoholics
J.P. Bickell Fdn.	Prof. G.H. Reavely	Equipment Grant
Canadian Uranium Research Fdn.	Dr. D.C. Bradley	Research on uranium catalysts for the stereospecific polymerization of olefins
Canada Packers Ltd.	Prof. P. de Mayo	Chemical Research
Defence Research Board	Dr. R.W. Nicholls	To investigate the properties of plasmas

FACULTY OF ARTS AND SCIENCE

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Dow Chemical of Canada Ltd.	Dr. F.L.M.Pattison	Chemical Research
Defence Research Board	Dr. P. de Mayo	Photochemical reactions of organo-fluoro compounds
Dow Chemical of Canada Ltd.	Prof. J.F.King	Fellowship expenses
Defence Research Board	Dr. A.W.A.Brown	Factors in attractiveness of objects to adult <u>Aedes</u> <u>Aegypti</u>
"	Dr. P.A.Forsyth	V.H.F. radio wave scattering in the ionosphere
Defence Research Board	Prof. C.J.Willis	Studies on the synthesis and properties of perfluoro- alkyl silicones
Defence Research Board	Prof. J.W.Lorimer	Thermal diffusion in ion-selective membranes
Defence Research Board	Prof. G.F.Lyon	Ionospheric studies using satellites
Defence Research Board	Dr. A.J.Sukava	The Cathodic deposition of zinc
Defence Research Board	Dr. D.R.Hay	Physics of the Troposphere as related to U.H.F. radio transmission
Dow Chemical of Canada Ltd.	Dr. D.C.Bradley	Chemical Research

FACULTY OF ARTS AND SCIENCE

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Defence Research Board	Dr. R.J.Uffen	Shock wave propagation through solids
"	Dr. D.C.Bradley	The chemistry of water-repellant compounds
Dupont of Canada Ltd.	Dr. F.L.M.Pattison	Chemical research
Dept. of Mines and Technical Surveys - Canada	Prof. R.W.Packer	Repose slopes of Pleistocene material in Southwestern Ontario
"	Dr. C.G.Winder	Microfauna of Kettle Point and Port Lambton Shales, Ontario
"	Prof. A.Dreimanis	Stratigraphic correlation of glacial deposits between Lake Huron and St. Lawrence lowland
"	Dr. R.J.Uffen	Geophysical prospecting methods
Allied Chemical & Dye Corp'n.	Dr.F.L.M.Pattison	For research in the field of fluorine chemistry
Dept. of Mines and Technical Surveys - Canada	Prof.G.H.Reavely	Detrital minerals in palaeozoic and pre-cambrian rocks in Ontario
"	Prof. A.E.Beck	Underground flow of water, Coronation Mine, Manitoba
"	Prof. A.E.Beck	Re seismic observatory
"	Dr. J.R.Kramer	Salina Niagaran Rocks of Southwestern Ontario

FACULTY OF ARTS AND SCIENCE

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Dept. of Mines and Technical Surveys - Canada	Dr. C.G.Winder	Carbonate elasticity, dolomitization and insoluble residues, middle ordovician limestones
Imperial Oil Ltd.	Dr. F.L.M.Pattison	Chemical Research
"	Dr. P. de Mayo	Chemical Research
John Labatt Ltd.	Dr.C.J.Hickman	Botany Research Fund
John Labatt Ltd.	Prof. G.H.Reavely	Lake Erie Research
The Eli Lilly Co.	Dr. P. de Mayo	Research on Natural Products
Mobiloil of Canada Ltd.	Dr. R.J. Uffen	Geophysics Research
National Research Council	Prof. G.M.Boone	Quartz-feldspar phase relation in granite rocks
"	Dr. P.A.Fraser	Theoretical studies in atomic collisions
"	Dr. D.M.Scott	Variation in the songs of the cardinal
"	Dr. J.B. Stothers	Mechanistic studies employing kinetic isotope effects
"	Dr. J. F. King	The reductive elimination reaction
"	Dr. D.M.Graham	Photochemical studies involving olefins

FACULTY OF ARTS AND SCIENCE

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
National Research Council	Prof. James R. Kramer	Analysis of liquid inclusions in minerals
"	Dr. P. de Mayo	Studies in terpenoid chemistry
"	Dr. D.C. Bradley	Studies in inorganic chemistry
"	Dr. H.I. Battle	The gross and microscopic anatomy of the gonad of the oyster
"	Dr. W.H. Wehlau	Light variability in two samples of Late Type Stars
"	Dr. C. Sivertz	The kinetics of free radical reaction to olefins
"	Dr. A.J. Sukava	Study of cathode polarization during electro-deposition of copper
"	Dr. C.J. Hickman	Biological and taxonomic studies of fungi, especially of plant pathogens
"	Dr. N.R. Kunchur	Crystallographic studies of organic and organo-metallic compounds
"	Dr. F.L.M. Pattison	Pharmacologically-active fluorine compounds
"	Dr. R.W. Nicholls	Expenses re Dr. D.C. Tyte's Fellowship

FACULTY OF ARTS AND SCIENCE

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
National Research Council	Dr. A.W.A. Brown	Expenses re Dr. P. Roessler's Fellowship
"	Dr. D.G. Wilson	Organic acid metabolism in plants
"	Dr. D.B. McMillan	Number and morphology of chromosomes as an indicator of taxonomic relationships
"	Dr. F.S. Cook	Biological studies of carbohydrates
"	Dr. W.C. Howell	The chemistry of some aromatic and quinonoid systems
"	Dr. G.R. Magee	Postdoctorate Fellowships - Dr. G.W. Goes
"	Dr. C.M. Carmichael	Rock magnetism
"	Dr. H.W. Baldwin	A study of the kinetic isotope effect on halogenation of $CR(NH_3)$
"	Dr. T.K.R. Bourns	Development of a serological test involving agglutination of antigen-coated ion-exchange adsorbents
"	Dr. W.E. McKeen	Plant disease investigation
"	Dr. D.R. Hay	Eddy diffusion above outdoor surfaces

FACULTY OF ARTS AND SCIENCE

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
National Research Council	Dr. R.W.Nicholls	A rocket nose-cone vacuum spectrograph
"	Dr. R.K.C.Chan	Investigation of the dielectric properties of tetracyanoethylene-aromatic hydrocarbon complexes
"	Dr. E. Brannen	Millimeter radiation and physics research with a racetrack microtron
"	Dr. J.H.Blackwell	Hydromagnetic and diffusion theory boundary value problems
"	Dr. R.W.Nicholls	Studies in laboratory astrophysics
"	Dr. J.A. Fulford	Controlled atmospheric studies in microwave spectroscopy
"	Prof. A.E.Beck	Terrestrial heat flow
"	Dr. D.B. Walden	A study of the male gametophyte of Zea Mays L
"	Dr. R.J.Uffen	Geophysical investigations
"	Dr. C. J. Willis	Investigation of the synthesis and reactions of perfluoroalkyl derivatives of elements of groups III and IV

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<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
National Research Council	Dr. D. R. Bidinosti	Determination of products from and energetics of gas-solid reactions at high temperatures
"	Prof. J. W. Lorimer	Transport processes in ion-selective membranes
"	Dr. P. A. Forsyth	Radio physics of the high atmosphere
"	Prof. G. H. Reavely	Research Fellowship - Dr. T. N. Clifford
"	Prof. A. E. Beck	Measurement of terrestrial heat flow
"	Dr. G. E. Cross	A classification of symmetric and unsymmetric integrals
"	Dr. H. I. S. Ferguson	Ion beam spectroscopy of gases and solids
"	Dr. P. A. Forsyth	Rocket measurements of ionospheric structure
"	Dr. W. W. Judd	Comparative morphology of internal and anatomy of muscoid diptera
"	Dr. M. H. A. Keenleyside	The reproductive behavior of some Ontario fishes
"	Dr. E. W. Wharnhoff	Chemical investigation of the constituents of Octillo

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<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
National Research Council	Dr. A.M. Wellman	Preservation of fungus cultures at cryogenic temperatures
"	Dr. G.M. Boone	Hydrothermal investigation of the formation of ferric oxide inclusions in alkali feldspars
"	Dr. C.M. Carmichael	Rock magnetism
"	Dr. J.P. Denny	Strategus in human concepts formation
"	Dr. A. Paivio	Social stress, anxiety and speech
"	Dr. J.B. Phipps	Evolution of genera in Arundinellae
"	Dr. R.H. Stinson	Physiology of temperature selection in small mammals
"	Dr. T.J. Ulrych	Lead isotope studies
"	Dr. W.E. McKeen	Special grant for equipment
"	Dr. E. Brannen	Special grant for equipment
"	Dr. F.L.M. Pattison	Special grant for equipment
Ontario Research Foundation	Dr. D. McLarty	Cytological investigations of simple fungi
"	Dr. G.G. Suffel	Nature and origin of certain sedimentary bonded iron formations of Ontario

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<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Ontario Research Foundation	Dr. H.I. Battle	Comparative cytological and histological effects of the lampricide
"	Dr. D.G. Wilson	An investigation of the organic acids in succulent plants
"	Dr. C.J. Hickman	Aquatic phycomycetes of freshwaters including fungus parasites of freshwater algae
"	Dr. W.W. Judd	Study of the population of non-emerging insects of Redmond's Pond in Byron Bog
"	Dr. D.A. McLarty	Studies of the growth and control of species of cladophora under laboratory conditions
"	Dr. H.W. Baldwin	A study of oxide formation on metal surfaces
"	Dr. E. Brannen	Research on the electron beam characteristics of a racetrack microtron
Ontario Food Processors' Ass'n.	Dr. C.J. Hickman	Research Fellowship
Ontario Research Foundation	Dr. W.C. Howell	The chemistry of certain a. b. unsaturated ketones
"	Dr. D.M. Scott	Biology of the cardinal

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<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Ontario Research Foundation	Dr. F.S. Cook	A study of extension and cambial growth in deciduous tree species
"	Dr. R.W. Nicholls	An identification atlas of molecular spectra
"	Dr. J.F. King	Spectroscopy and molecular structure of polyatomic molecules
"	Dr. C.J. Willis	Studies of the decomposition and possible synthetic use of alkyl-perfluoralkyl tin compounds
"	Dr. W.H. Wehlau	A study of very low dispersion objective prism spectra
"	Dr. T.K.R. Bourns	The behavior of Trematode Carcariae in response to different intensities and wave lengths of light
"	Prof. A. Dreimanis	Relationship of lithologic and granulometric composition of till to bedrock
"	Prof. J.R. Kramer	Carbon dioxide, etc. measurements in Lake Erie
"	Dr. T.K.R. Bourns	Host-parasite relations of members of the genus Cutirebra

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<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Ontario Research Foundation	Dr. G.S. Rose	Construction of a high voltage capacitor bank for the generation of plasmoids
"	Dr. E.G. Pleva	Special Award re Mr. Chad Day
"	Dr. R.K.C. Chan	Properties of organo-metallic compounds by means of dielectric and heat capacity measurement
"	Dr. D.M. Graham	Autoxidation studies
"	Dr. J.F. King	Organic chemistry
"	Dr. J.B. Stothers	An application of Carbon 13 Nuclear Magnetic Resonance Spectroscopy to Reaction Mechanism Studies
"	Dr. D.B. McMillan	An anatomical study of the head musculature of the beaver and related rodents
"	Dr. R.H. Stinson	The effect of humidity upon the activity of small mammals
Sundry Donors	Prof. E.H. Tull	Solid state physics research
Public Health Services (U.S.)	Dr. P. de Mayo	The constitution of Griseoviridin

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<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Polymer Corp'n. Ltd.	Dr. F. L. M. Pattison	Chemical research
Pennsalt Chemicals Corp'n.	Dr. D. McLarty	Cladophora Research
Public Health Service (U.S.)	Dr. A.W.A. Brown	Studies on the insecticide resistance of mosquitoes
Dept. of Health Education & Welfare (U.S.)	Dr. E. W. Wharnhoff	Hypotensive principles of Ceanothus species
Paint Research Institute	Dr. D.C. Bradley	Studies in the metal alkoxide and related fields
Research Corp'n.	Dr. D.C. Bradley	Research in inorganic chemistry
"	Dr. J.F. King	The mechanism of reductive elimination
Resources for the Future, Inc.	Prof. R.J. Wonnacott	The effects of Freer Trade on the Structure of Industry in Canada & U.S.
Research Corp'n.	Dr. P. de Mayo	Chemical constituents of parasitic fungi
Stauffer Chemical Co.	Dr. D.C. Bradley	Research in chemistry
Alfred P. Sloan Fdn.	Prof. E.W. Warnhoff	Research fellowship in chemistry
J.B. Smallman Memorial Research Fund	Dr. F. Stiling	Research in humanities and social sciences

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<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Nat. Aeronautics & Space Administration	Dr. R.W.Nicholls	Theoretical and experimental studies in astrophysics
Schering Corp'n. Ltd.	Dr. P. de Mayo	Research in Chemistry
U.S. Air Force Office of Scientific Research	Dr. R.W.Nicholls	Gas scintillations from ionizing radiations
"	Dr. R.W.Nicholls	Intensities and excitation modes of atomic and molecular radiation
U.S. Office of Naval Research	Dr. R.W.Nicholls	To investigate the excited molecular species arising in various light sources
U.S. Air Force Office of Scientific Research	Dr. R.W.Nicholls	Research on gas scintillations from ionizing radiations
U.S. Air Force Office of Scientific Research	Dr. P. de Mayo	Photochemical production of strained systems
U.S. Office of Naval Research	Dr. D.C.Bradley	Compounds containing transition metals bonded to sulphur
U.S. Air Force Office of Scientific Research	Dr. E. Brannen	Millimeter E-M Radiation produced by high energy electron beams
"	Dr. D.C.Bradley	Research on organo-metallic compounds and polymers

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<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
U.S. Office of Naval Research	Dr. P.A.Forsyth	Atmospheric physics research
U.S.Air Force Office of Scientific Research	Dr. D.R.Hay	Investigation of refrac- tometer measurements in the atmosphere
U.S.Army Research	Dr. P. de Mayo	The photochemistry of unsaturated systems containing Hetero Atoms other than Oxygen
U.S. Air Force Office of Scientific Research	Dr. R.W.Nicholls	Studies of processes of excitation and radiation from atoms and molecules of the upper atmosphere
U.S. Office of Naval Research	Dr. J.F.Hart	Research on Minimax Approximation
World Health Organization	Dr. A.W.A.Brown	Investigations on the insecticide resistance problem
Wisconsin Alumni Research Fdn.	Dr. A.W.A.Brown	Biological research
Dept. Psychology Research Fund	Dr. Mary Wright	Research in psychology
National Research Council		Consolidated advance account
<u>MUSEUMS</u>		
Province of Ontario	W. Jury	Archaeological research

SCHOOL OF BUSINESS ADMINISTRATION

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Maubank Associates Ltd.	Dean F.W.P. Jones	Food distribution research
Sundry Donors	Dean F.W.P. Jones	Business research
Sundry Donors	Dean F.W.P. Jones	Stanford Research Institute Research
Trust Companies Ass'n. of Canada	Prof. J.C. Taylor	Business research
Sundry Donors	Dean F.W.P. Jones	Research

SCHOOL OF NURSING

W.K. Kellogg Fdn.	Dean R.C. Aikin	To support the development in Nursing Service Administration
School of Nursing Council	Dean R.C. Aikin	School of Nursing Research Fund

FACULTY OF ENGINEERING SCIENCE

	Dean R.M. Dillon	Special Research Fund
Engineering Science	Prof. J.E. Foreman and W. Bulani	Combustion spectroscopy
"	Prof. E.S. Nowak	Thermodynamic studies
"	Prof. J.L. Kearns	Heat Transfer Studies
"	Prof. G.S. Emmerson	Heat Transfer Studies
"	Prof. K.A. Upton	Structural Research

