

**THE UNIVERSITY OF WESTERN ONTARIO**



**Report of the President  
Academic Year 1960-1961**

**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, 1960 - June 30, 1961

Ladies and Gentlemen:

Since Western, once again, is on the threshold of yet another period of expansion it seems pertinent to review some of the thrilling recent developments of the University. This is done, not in the spirit of "see what we have done" but from the point of view of presenting a review of the growth of the University that we may see more clearly the issues before us.

Unlike the new universities which are springing up across Canada with major financial assistance from governments being given from the beginning, Western's beginning in 1878 was indeed as modest as it was difficult. From a struggling, precarious infancy the University is recognized both nationally and internationally for its academic standards, the quality of its scholarship and research, and the high calibre of its staff and students. The physical beauty of its buildings and Campus has been widely acclaimed.

On one occasion the question was asked, "How much does it take to build a university?". The reply was, "About seventy-five years!". This is very relevant and the early struggle for sheer survival, the hazards of insolvency and its very smallness have given Western a background of experience upon which it has matured, developed staff, and grown in stature and in character.

Let me go back just a few years, not to the Founding, but just to the time when the first two buildings were built on the Campus. We had the so-called Arts Building and the Science Building. The Arts Building housed the Administrative Offices, the Registrar's Office, the Comptroller and Bursar's Office, the Library, Convocation Hall, the Board of Governors Room, and all of the staff offices and classrooms for the Arts portion of the



University. The Natural Science Building housed Physics, Chemistry, Botany, Zoology, and Geology as well as the Cafeteria of the day. And it must not be forgotten that before that time, before the University had this campus, before it had an Arts or Science Building here, the Medical School Building was in existence down on South Street.

Three farms were purchased for the new campus and the Arts and the Science Buildings were completed in 1924. The following year, with these new and grand facilities, the student enrollment of the University, including the medical students, reached 493. The summer school and extension enrollment added another 84 students. The total current expenditure that year was \$421,000, of which 87 per cent came from government grants and 12.6 per cent from student fees. Total wages and salaries amounted to less than \$250,000. The value of the land, buildings, and equipment was just over two million dollars. Bank advances amounted to \$220,000 and there was an accumulated current funds deficit of over \$250,000.

By 1930 besides bank advances of about \$100,000 and an outstanding debenture debt of \$433,000 there was an accumulated current funds deficit of over \$400,000. Survival under such conditions, which grew worse as the "depression" progressed, is a tribute indeed to the faith and devotion of the Board of Governors and of Dr. Fox and his colleagues. It was yet another period of stress through which the University passed and in the process grew stronger.

Now let us look at what has happened since those days. The student population rose to 932 in 1945, to almost 2,000 in 1952, to 2,730 in 1959 and to 3,300 this past year. The Summer School enrolment last year reached 1,750 - larger than the intramural registration of 1950. And when one adds the 1,000 extra students from the three Affiliated Colleges, for whom the Constituent University must provide all of the science instruction, mathematics, most of the psychology, and many other honours and pass courses, one can see that the University is a busy, all-year-round operation.

In 1930 there were 73 full-time academic staff. Now the figure is in the several hundreds. Indeed, the total number of staff, that is - academic, technical, secretarial, maintenance,



and service this year exceeds the number of full-time students registered in the Constituent University as late, even, as the late thirties.

In that time too the current expenditure has risen from \$420,000 in 1925 to more than 7 1/2 million this year. Salaries and wages alone have risen from \$248,000, as I mentioned, in 1925 to over 5 million this year (1961-62). The cost value of lands, buildings and equipment has increased rapidly. In 1956, when the value of these' reached almost 7 million, the University had, at the same time, paid off all of the debentures, had no bank advances and instead of a final accumulated \$684,000 deficit, had an actual surplus of \$17,805!

I think it must be acknowledged that the members of the Board of Governors and the so-called Administration have, throughout the history of the University, used their sharpened pencils wisely.

And instead of two buildings standing alone on the Campus, what do we see now?

The McIntosh Memorial Art Gallery, built in 1940-41, a gift from the McIntosh Estate, after many years' use for classrooms and an Art Gallery is used exclusively for its intended purpose. A resident staff artist, the well-known Tony Urquhart, supported by the Canada Council has given an impetus to art and art appreciation which we never had before.

The Cronyn Memorial Observatory, a family gift of 1939, long used for lay groups to watch the heavens has been, for the past five years the centre of some of the best astronomical research in Canada.

The Lawson Memorial Library, built in 1934, to meet the needs of an expanding library and student body, has had additions already added - one in 1953, the other being constructed now. A million volumes are a lot of books, but still our library collection has many gaps which must be filled in the years ahead. And the new volumes coming out each year, as knowledge expands so rapidly, have to be provided as well.



We see, too, at first a major addition to the Science Building (1946) and as more and more students came another science building was necessary and was finally constructed in 1959.

To make space available in University College (the Arts Building) for much needed classrooms and faculty offices, the Registrar, the Comptroller, the Dean of Men, the Dean of Women, the Vice-President, and the President were moved out and into Stevenson Hall, another gift, in 1955.

Fingal Hall, the old R.C.A.F. huts, was erected to look after the feeding of our students and to provide for the Departments of Journalism and Athletics. Thames Hall was constructed, providing our first indoor facilities for athletics and recreation and the front of Fingal Hall immediately removed lest some over-crowded academic department would seek the vacated space. (Temporary buildings have a habit of becoming very permanent).

The Collip Medical Research Laboratory (a partial gift) was made available for the work of this great scientist and soon Somerville House added facilities for gracious dining for both staff and students.

During those years in the late '40's and '50's the academic expansion of the University was great. As intimated before, a Department of Physical Education was established - a four-year honours course with most of the graduates entering the teaching profession. An honours course in Journalism was introduced. The Department of Philosophy was established in 1948 and now gives courses to more than 1,500 students. The Department of Geography, under Professor Pleva, was organized as a separate department, in 1949, the Department of Biophysics, the first in Canada, in 1949, the Department of Geophysics in 1958.

The School of Nursing was formally established in 1947 with an enrollment of 74. It now has about 180 students, and the first Master's degrees to be offered in Canada in this field were awarded only last spring. A major gift made the new Kresge School of Nursing possible. The old building



on South Street was deeded to the city for one dollar.

Things were stirring, too, in the field of Business Administration. Western with the first department of Business Administration in Canada, (1922) re-established the Department as a separate School of Business Administration in 1949 (again the first in Canada). In the summer of 1948 Western established the senior Management Training Course for business executives and in 1953 started the Marketing Management Courses - both again were firsts in Canada.

At first the old Goodholme, purchased for us by Canadian business, became the home of the School of Business Administration. It was soon too small. Dr. Ivey and Canadian business built the new Richard Ivey School of Business Administration, which handles some 200 undergraduates, about the same number of graduate students, and now the first candidates for the Doctoral programme in Canada. Goodholme now houses the College of Music, which after years of wandering has a home of its own - the gift of A. E. Silverwood and the Silverwood Foundation.

The complexion of the student body began to change after the war. More and more students from outside London entered until the previous figures of 70 per cent from London and the commuting area became 70 per cent from beyond this area. Residences were essential. Spencer Hall was the first - for 104 women. Then Medway Hall for 300 men. The advent of the London Teachers College near the campus has accentuated the shortage of living accommodation for our students.

The development of the Engineering Science course naturally led to the construction of the Major-General A. C. Spencer Engineering Science Building and the re-establishment of the Law course made it imperative that a Law building be provided (the Josephine Spencer Niblett Faculty of Law Building). Major private gifts helped to make these two buildings possible. The new Cancer Research Laboratory, the gift of the people of Ontario through the Cancer Society, is indicative of the leadership given by this University in the fight against cancer.



And so with increased enrollment the University grows. At the same time as the stature and reputation of the University grows, additional physical facilities became necessary. The Faculty of Graduate Studies is a case in point. (Please see also the report of the Dean of Graduate Studies).

Before the war very little research or scholarly work was done. Indeed in 1945 there were only one or two graduate students. Outside support of research was virtually nil. Canada was hardly research conscious. This year there were about 400 graduate students and more than one million and a quarter dollars (\$1,363,577) received from outside sources to support the research activities of members of our staff and their graduate students.

This, in general, is the background upon which the Board of Governors and the Senate must base their plans for the future - a background of early poverty, of a difficult, struggling, but well directed youth and of a rapid growth in its present early manhood. There are many things that we could be. There are many directions in which we might go.

The Board of Governors has already agreed in principle that the student enrollment, within the constituent University, should be limited to approximately 5,000 students.

In 1956 an enrollment planning committee was set up to consider the impact of this decision on the University and to estimate the number of students who would be enrolling in the years following 1956. The committee continued to function and presented supplementary reports in each of the following four years. It was estimated that the figure of 5,000 would be reached by 1966-67.

A special study done in 1958 by Mr. George Gathercole, at our request, showed that in 1939 Western enrolled 9.8 per cent of Ontario's undergraduates (see also President's Report 1955-56 and 1959-60), and in 1957 14.4 per cent. According to Mr. Gathercole's estimates (1958) Western "will have to find facilities for about 7,000 students by 1965 and for more than 13,500 by 1975". These figures include the enrollments of the three Affiliated Colleges - Huron, Ursuline, and St. Peter's - Christ the King. These figures, of course, do not take into consideration



the Board's decision to limit enrollment.

Since the selection of students and the general policy of admissions become significant and critical aspects of limited enrollment, a senior faculty committee on admissions was set up to study these problems. The committee was instructed to consider the policy and procedures governing admissions to the University (entrance requirements, the possibility of expediting admissions, optimum size and distribution of enrollment, staff and space requirements) and to make suitable recommendations with respect to them.

The decision to limit the full-time intramural enrollment of the Constituent University to some 5,000 students necessitates, at the same time, decisions concerning the size of the various faculties within the University and the size of the Affiliated Colleges relative to the size of the Constituent Faculty of Arts and Science. It must be recalled, too, particularly with regard to the physical facilities and staff requirements, that all of the natural science courses, mathematics, the humanities subjects, and the social science subjects taken by the students in Engineering, Nursing, and Business Administration are provided, not within their own faculties, but by the Faculty of Arts and Science. All courses for "premedical" students are likewise provided by University College.

The same general situation exists with respect to the Affiliated Colleges whereby all courses in the sciences, and many of the other courses are taken in University College. Therefore, any increase in enrollment in the "professional" faculties and/or in the Affiliated Colleges materially affects the Constituent Faculty of Arts, viz. classrooms, laboratories, demonstrators, staff, secretaries, offices, supplies, etc.

Quotas, therefore, have had to be considered for all of the academic units within the University as a whole. Agreement has been reached with Huron College that it will stabilize at 475 "university" students and with Ursuline College for 200 students, pending any increase beyond the 5,000 enrollment figure. It is hoped that St. Peter's - Christ the King will agree to a maximum enrollment of 325 university students.



The Committee recommended the following distribution of students:

Graduate Studies	600
Business Administration (two final years)	200
Engineering	400
Law	200
Medicine (4 years)	300
Nursing	200
	<hr/>
	1,900

This would allow for 3,100 students to be registered in the Constituent Faculty of Arts and Science. The Affiliated Colleges' total enrollment should not, it is felt, exceed one-third of the total enrollment in Arts and Science.

With an enrollment (1960-61) of 3,260 fulltime intramural students in the Constituent University, an increase of 1,740 students will be possible before the 5,000 limit is reached.

On the basis of projected enrollment figures, recalculated after the experience of last fall, Western should reach this figure of 5,000 by 1964 - instead of 1966-67! And in addition, there will be 1,000 Affiliated College students by 1963.

Our planning, therefore, must take cognizance of this accelerated growth, of staff requirements, and physical facilities for the staff as well as the students. Perhaps it would be well to emphasize that 1,740 students (our anticipated increased enrollment) represents in numbers a university, in itself, larger than the present McMaster, twice the size of Carleton, four times as large as R.M.C., and indeed the present size of Dalhousie. This increase in enrollment therefore reaches sizeable proportions.

The Committee estimated that 58 new staff appointments will be necessary by 1963-64 in University and Middlesex Colleges alone. This in itself suggests the necessity of additional



office accommodation for staff and secretaries, toilet facilities, etc. Since thirteen of the fifty-eight new staff members will be required in the science departments, the already overcrowded office and private laboratory space will need to be enlarged. In the teaching of science courses demonstrators and technicians are necessary. Additional numbers of such persons will be required in proportion to the added numbers of undergraduate and graduate students. The added numbers of students in turn necessitate additional teaching laboratories, supply rooms, etc.

The provision of new staff and added academic facilities for some 1,700 additional students is, although the most significant requirement, not the only one. Added dining facilities for both students and staff will be required. Added recreational and athletic facilities will likewise be required and since about 70 per cent of the students will come from outside the London commuting area, living accommodation for another 1,200 students has to be provided or arranged for.

As new buildings are erected, as more staff is appointed, and as more students are enrolled, the maintenance of the buildings and grounds increases as well. Increased facilities for the Department of Buildings and Grounds become increasingly urgent.

Taking these many factors together, all aspects of increased enrollment and including decisions already made by the Board, a revised schedule of physical requirements has been prepared for the consideration of the Board.

The capital costs for new and expanded physical facilities on the basis of very general estimates, total some 16 million minimum over the period 1962-65. Operating expenditures might be expected to increase from 7.5 million in 1961-62 to approximately 9.2 million in 1965-66.

If for any reason the Board, either before or after 1964, should decide not to limit enrollment to 5,000 and plan to permit some 6,300 students to be registered, then naturally a further major building programme would be essential at that time. This would involve another 16 to 18 millions of dollars



of capital expenditure .

Let me emphasize again that this year the value of our lands, buildings and equipment (at cost) is in excess of \$21.6 million. Our current expenditures are more than \$7.5 million. Including the students of the Affiliated Colleges we have a fulltime student body of more than 4,000 and there are an additional 2,000 (approximately) students in regular or special summer school sessions.

The decision to provide facilities for 6,000 fulltime intramural students (including 1000 from the Affiliated Colleges as described) necessitates the capital expenditure of not less than \$16 million within the next 4 to 5 years and an increase in our current operating expenditures of nearly \$2 million per annum.

This increase in enrollment, to which we are pledged, therefore reaches sizeable proportions. By that time more than 37 millions of dollars will have been invested in land, buildings and equipment for the furtherance of higher education in the Province of Ontario. The University will continue to have, as it has now, an unusually high quality of staff.

And we will have taken another step, right here on this great Campus, towards becoming the finest University in Canada. To this end the Staff, the Senate, and the Board have been completely dedicated.

. . . . .

Each year sees the retirement of several members of the University staff, members who have given long and devoted years of service to the University and to generations of students. To all of them, both personally and on behalf of the University as a whole, I say a most sincere "thank you" and wish them many more years of happiness and of good health.

Professor R. L. Allen retired after forty years in the Department of Physics. An outstanding teacher and counsellor,



Professor Allen has had a tremendous impact on the science students and, indeed, on the whole University.

Professor J. W. Burns has been on the staff of the Department of Chemistry for thirty-eight years. Another great teacher, he like Professor Allen joined the staff when the University occupied buildings on the old Huron College Campus on St. George Street.

Professor J. A. Gunton retired officially after thirty-seven years in the Department of Chemistry. He was the first Head of the Chemistry Department within the Faculty of Arts and Science. Always in touch with the graduates in Chemistry, Professor Gunton followed their careers with the same interest that he always showed in his undergraduate students.

Dr. S. F. Maine, for many years a Professor in the Department of History, brought to the position of Director of the Summer School and Extension Department that experience in teaching and in an academic discipline which is so important. His grasp of the problems of adult education resulted in a greatly expanded programme within his Department. He had been with the University for thirty-four years.

Professor R. E. K. Pemberton, likewise, retired after thirty-four years as a member of the Department of Classics. He will long be remembered by those students who were fortunate enough to study under him.

Professor Pemberton will continue to teach on a part-time post-retirement basis. Professors Allen and Burns will continue fulltime teaching for the year 1961-62, while Dr. Maine will teach in the Department of History on a part-time basis. It is indeed fortunate that good health permits these valuable and experienced teachers to continue teaching on a year-to-year basis.

In the Faculty of Medicine the retirement of Dr. W. C. Sharpe, a member of the Department of Medicine and Superintendent of the Back Memorial Sanatorium, brings to an official close a long and close association. We know that



his successor will carry on the traditions established by Dr. Sharpe.

Dean J. B. Collip retired on June 30th as Dean of the Faculty of Medicine, but fortunately he has agreed to continue his association with the University as Professor and Head of the Department of Medical Research.

Dr. Collip, internationally known for his succession of great medical discoveries is Canada's outstanding medical scientist. Responsible in a very major way for the support which medical research enjoys in Canada today, he brought great prestige to the office of Dean and stimulated medical research within his Faculty. This University owes Dr. Collip a special debt of gratitude.

Miss K. M. "Kate" Gillespie, known by almost every student - that is, almost every student who used the Library - retired after thirty-nine years as a member of the Library staff. Her experience in the growth and development of the University Library are indeed worthy of separate record.

The many new appointments to the staff are recorded under Staff Changes (Appendix A). However, at this time I would like to mention some of the more senior changes which have been made, effective July 1, 1961.

With the growth of the Faculty of Arts and Science - with its three Constituent Colleges and its three Affiliated Colleges - the advisability of separating the office of Dean of Arts and Science from the office of Principal of one of the Colleges became clear. As a result of the decision to so separate the offices, Dean Frank Stiling, with his many years of experience, remained Dean of the Faculty and was succeeded, as Principal of University College, by Professor R. J. Uffen, who in the meantime will continue to be Professor and Head of the Department of Geophysics.

Professor D. G. G. Kerr, Head of the Department of History in Middlesex College, succeeded Principal A. B. Conron as Principal of the College. Professor Conron, after successfully organizing Middlesex College has returned to fulltime teaching and scholarship within the Department of



English in University College.

Succeeding Dean J. B. Collip as Dean of the Faculty of Medicine is Dr. O. Harold Warwick, a former Rhodes Scholar who served in the R.C.A.F. during the war and who completed his graduate clinical training in England after the war. He came to the University with great knowledge in clinical medicine and in research, and with considerable administrative experience. We welcome Dr. Warwick to our midst.

Mr. J. A. McIntyre was appointed to succeed Dr. Maine as Director of the Summer School and Extension Department. Mr. McIntyre, a graduate of this University in Honours Business Administration, had considerable experience in business before returning to post-graduate work in the field of Sociology. With experience, too, at the University of Toronto in their Summer School and Extension Department, he joined the staff here initially as a teacher in Sociology.

Another senior appointment was that of Professor P. A. Forsyth as Professor and Head of the Department of Physics. One of Canada's outstanding men in Upper Atmosphere Physics, Professor Forsyth came to us from the University of Saskatchewan to occupy the Chair in Physics, following the departure of Professor Misener who became Director of the Ontario Research Foundation.

Professor R. C. Overton, well known for his research and publications, joined the staff in the Department of History in Middlesex College. Professor J. W. McDougall, a graduate of this University and a previous Visiting Professor here, on leave of absence from Carleton University, joined the staff in the School of Business Administration.

A total of fifty staff appointments were made during the year to meet the demands of increased student enrollment. We welcome all of these new members to the University and hope that they and their families will find friendship and happiness here.



Effective July 1, 1961, there were sixty promotions in academic rank, including both fulltime and parttime persons, the latter group being almost exclusively within the Faculty of Medicine.

Appreciating the fact that there are no "departments" or "department heads" within the School of Business Administration, the Faculty of Engineering Science, the School of Nursing, the College of Music, or the Faculty of Law, it is felt that the distribution of academic ranks is fairly realistic. Considering the fulltime members of staff only, the distribution is as follows:

<u>Rank</u>	<u>Number</u>
Professor and Head	37
Professor	27
Associate Professor	51
Assistant Professor	86
Lecturer	41
Instructor	16
	—
	258

Demonstrators, Teaching Fellows, Research Assistants, and other sessional appointees are not included in the above figures.

Once again it is a great pleasure for me, personally, as well as on behalf of the Senate, the Board of Governors and the other members of the Faculty, to recognize the many honours and distinctions which have been received by an ever-increasing number of staff members. We pay tribute to the many recipients of such honours and awards. They have markedly enhanced the prestige of their University as they themselves have gained prominence, both nationally and internationally, as a result of their scholarly works.

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It is always with regret and sadness that I record the passing of those who have been so closely associated with the University and who have contributed in many ways to its development.



Dr. T. H. Coffey, D.P.E.(Harvard), M.D.C.M. (Queen's), Professor and Head of the Department of Physical Medicine and Rehabilitation died on 10 May 1961 after a lengthy illness. He would not permit his illness, however, to keep him from carrying out his teaching which he did from his wheelchair until the end.

Dr. J. Hardy Geddes, M.D., for many years Assistant Professor of Medicine, died suddenly on 6 April, 1961. A member of the Staff prior to the war, Lieut.-Colonel Geddes became Chief of Medicine in No. 10 Canadian General Hospital after which he returned to the University. He was a fine teacher and clinician.

The name of William Marsden, who died on 21 September 1960, will be remembered by many of the graduates and members of the staff. Prior to his retirement many years ago he was Head of the Grounds Department.

Herbert Higgins, known to generations of Medical students, was in charge of the carpenter shop in the Medical Building. Several years after his retirement he died on 26 July 1960.

Mr. E. P. Dignan, a very active and conscientious member of the Board of Governors, died suddenly on 15 June 1961. He was an appointee of the Provincial Government on the Board and had served seven years as a member prior to his death.

Mr. H. W. Strudley became a member of the Board of Governors in 1930, serving for twenty-four years before his retirement in 1954. A great supporter of music in the University, he helped many students to reach their goals. He died on 25 April 1961 at the age of ninety-one.

Sincerest sympathies are extended by all of their colleagues to the members of the families of our deceased friends.



I sincerely hope, Ladies and Gentlemen, that you will read the reports which follow. They are relevant and pertinent. I commend them to you.

Yours sincerely,

G. Edward Hall,  
President and Vice-Chancellor.



## THE UNIVERSITY SENATE

### Report of the Secretary - Helen M. B. Allison

Four regular meetings were held: in October, December, February and May; all of them were well attended.

Numerous membership changes took place in 1960-61, and other membership changes were announced during the year, to take place at the end of the academic year:

The Chancellor, Dr. R. G. Ivey, finished his six-year term of office, and by the terms of the University Act of 1955 was not eligible for re-election. He was succeeded by Mr. Verschoyle P. Cronyn of London.

Principal Coleman of Huron College resigned to become Bishop of the Kootenay; Principal Conron resigned as Principal of Middlesex College to revert to a full-time teaching program; Dean Collip retired as Dean of the Faculty of Medicine; Professor S. F. Maine retired as Director of the Summer School and Extension Department; Professors R. L. Allen and R. E. K. Pemberton of University College retired; Mayor Barrie of St. Thomas City Council and Mr. George Bowie of the Alumni General Council finished their terms of office and were replaced in the normal course of events.

New members were: Dean R. Catherine Aikin, School of Nursing; Dean Richard M. Dillon, first Dean of Engineering Science; Alderman W. O. Herold, St. Thomas City Council; Principal D. G. G. Kerr, Middlesex College; Professor Stuart Lauchland, Faculty of Engineering Science; Dr. Stewart Lott, President of the Alumni General Council; Professor J. A. McIntyre, Director of the Summer School and Extension Department; Dr. John G. Morden, Acting Principal of Huron College; Professors R. W. Nicholls and A. E. Raymond of University College, and Dean O. H. Warwick, Faculty of Medicine.



Two Convocations were held during the year, to graduate 920 students with degrees and 160 with diplomas, a total of 1080. Nearly 100 fewer Bachelor's degrees were conferred in 1960-61 than in the previous year, but in 1959-60 we were still graduating students from Waterloo College. The May Convocation was spread over three days, for the first time, and the receptions were held in the Terrace Room and on the terrace at Middlesex College. The result was that more invitations than usual were issued, the visitors were made more comfortable than ever before, and the threat of bad weather causes no confusion or change of plans.

The Senate, in general, learned about new methods of teaching French, both at Trois-Pistoles School of Methodology and in the language laboratories of Middlesex College.

It also learned, from Dr. Allen, the organization of the Faculty of Graduate Studies into its several divisions: Each Division has a Committee on Graduate Studies and deals with the affairs of its own Division, but sends representatives to the Council of the Faculty of Graduate Studies, which coordinates the work of the Divisions, so that common standards of procedure and scholarship may prevail.

The full Senate sustained three appeals for degrees, on the basis of extenuating circumstances, and added the names to the Convocation lists.

The Senate discussed and approved the following new courses and changes in courses:

- (1) A Ph.D. degree in Business Administration, after the Council of the Faculty of Graduate Studies had approved the program, which meets the standards required for other Ph.D. degrees (a minimum of two years of satisfactory work following the Master's degree). This is the only University in Canada ready to offer such advanced work in Business Administration, to prepare and educate future members of Business faculties. The gift of \$275,000 for a library addition, to house 90,000 books, makes this program feasible.



- (2) Major changes in Engineering Science, in Honors Biology, in Honors Chemistry and in Chemistry with Physics Options, and in the Law program, as well as the M.Sc.N. program.
- (3) New courses in Mathematics (including Computing), two new courses in Sociology, a new General Program with Theological Options (planned by Huron College), a new program in Honors Comparative Literature, a new program in Honors Music Education, new courses in Russian 30 and 40, English 37 and 253, Philosophy 34 (and the deletion of Botany 30, English 35 and Philosophy 32).
- (4) Minor changes in Honors Journalism, in Honors English and Philosophy, in Honors Philosophy, in Home Economics in Premedicine, General Arts and in the Preliminary year subjects in the affiliated colleges.

The Senate also approved a separate Department of Therapeutic Radiology, and a change in the name of the present department to Diagnostic Radiology.

#### The Arts Educational Policy Committee

This Committee surveys the lists of new appointments to all Arts Colleges and recommends them to the Senate for approval. It also recommended a marking system for final examinations which is a modification of the recommendations of the Rand Report. Its other recommendations included special language requirements for students whose native language is not English or French, the abolition of Health Lectures and Library Science and Physical Education as required courses, and permission to teach specific courses in each of the Affiliated Colleges. The Committee has debated, at various times, the problem of the University's present requirement of a language other than English for admission to every course in Arts and Science.

#### The Convocation Committee

At its February meeting, on recommendation of this Committee, the Senate approved arrangements for three



indoor Convocations to permit the attendance of four hundred students plus Faculty and Senate and guests. This approval caused a change in the statutory date of the Senate meeting to the day before the first Convocation. Receptions following Convocation were approved to take the place of any official opening of Middlesex College.

The Senate added Dean Aikin, Dean Dillon, Dean Rand and Principal von Kuster to the Convocation Committee.

#### The Executive Committee

The Senate decided that last minute changes in courses must be approved by the Executive Committee before the courses are offered.

It has become the responsibility of the Executive Committee (composed of all the Deans and Principals of all Faculties and Schools and Colleges in the University, together with two non-faculty members of the Senate) to recommend candidates to the Senate to be presented to the Chancellor at each forthcoming Convocation to receive their respective degrees and diplomas.

The Executive Committee is also the Committee on Honorary Degrees. During the year it recommended:

For the LL.D. degree:

The Reverend E. C. LeBel, President of Assumption University, associated with this University for more than thirty-five years.

Mrs. Josephine Spencer Niblett, a former student of this University who has been a very generous friend of the Faculty of Law and has also provided funds for scholarly research.

Dr. Horace Speakman, Director of the Ontario Research Foundation, who has helped to develop the Connaught Laboratories and group research in Canada.



Mr. William Horsey, a member of the first Advisory Committee to the School of Business Administration, and a donor of its first Fellowships. He was also active in the University's building campaign.

The Honourable Jay Waldo Monteith, Federal Minister of Health and Welfare.

Mr. Phrixos B. Papachristidis, a Law graduate of the University of Lucerne, and a benefactor of his own country, especially.

For the D.C.L. degree:

Dean E. N. Griswold of Harvard University

as well as other names not yet announced.

The Senate Committee  
on University and Secondary School Relations

This committee consisted of Secondary School Inspector Donald W. Scott (Chairman), Principal Conron, Dean Dillon, Monsignor Feeney, Mr. C. M. McCallum (then a secondary school Principal, now an Inspector of Secondary Schools in the City of London), Principal Stiling, and the Registrar (Secretary).

Its purpose is to study the relations between the secondary schools and the University and to make recommendations to the Senate. Twenty-two existing channels of liaison were listed, most of them leading from the University to the secondary schools, with the necessity of discovering means of reciprocation.

The provision of special educational opportunities for high school pupils is particularly valuable to the brighter students and seems to be a logical function of the University. A lecture series for selected Grade XIII students in the London area was sufficiently important to be sent forward to the Senate for its information and approval, with the recommendation that it be extended to other areas next year. This series was the work of a committee of the Faculty of Arts and Science which was commended as a fine series.



The importance of providing secondary school teachers, especially for Grade XIII, was emphasized by the Ontario Headmasters' Association. General Course graduates, as well as specialists, are needed, especially in the physical sciences. The University was urged to provide majors leading to Type A certificates for secondary school teaching in all departments represented in the secondary school system.

It was suggested that Western Ontario Principals might tell the University how it might best serve them, if they were to be invited to the University for their suggestions, especially if the Principals in certain areas were invited to meet with the Committee from time to time. The Senate so ruled, when it approved the report of the Committee.



## THE REGISTRAR'S DEPARTMENT

Report of the Registrar - Helen M. B. Allison

The enrolment figures for the year 1960-61 showed a net gain of 311 students. Waterloo College figures (611 students) were not included in this year's enrolment as it obtained independent degree-granting status. University College showed an increase of 209 students and the newly established Middlesex College had an initial enrolment of 344 students. The figures for University College were also influenced by the establishment of the Faculty of Engineering Science which replaced the Department of Engineering Science within University College.

Some explanation is required to explain the fact that 403 students came from schools outside of Canada and the rest of the Commonwealth, although only 128 students listed their homes as outside Canada. This simply means that many new Canadians whose children attended schools in their homeland are sending their children to university here. In addition, an increasing number of Canadians are giving their children an opportunity of attending schools in Europe. Some of the graduates living in the United States are sending their children to this University as soon as they have completed the admission requirements.

A summary of the registration of the whole University is to be found in Appendix B. This shows a gross total registration of 7,432 students:

Undergraduates:	
full time	3828
part time	87
Graduates:	
full time	349
part time	45
Summer School	1462
Extension	1122
Correspondence	539



Some students are listed under more than one of the above categories, e.g. Summer School and Correspondence. These duplicates number 795. The net total registration was, therefore, 6,637 students in the 1960-61 session.

The significance of the Faculty of Graduate Studies has been stressed previously and is emphasized in the report of the Dean of that Faculty. From a registration point of view it is important to emphasize that an increase in graduate student enrolment of more than 20 per cent took place this year.

With the ever-increasing urbanization of the people of this Province, and indeed of Canada, it is interesting to note that once again the largest single group of students listed the occupation of their parents as "agriculture" (14.2%). Next in number came "manufacturing" (13.7%), "finance" (11.3%), "trade" (9.9%), "custom and repair" (6%), "transportation" (5.4%), "business" (5.2%), "public service" (4.8%), "education" (4.14%), and "health", e.g. doctors, dentists, (4.11%). Other categories of occupation were represented by less than 4% of the student body (see Appendix C).

There were 38 different religious denominations to which the students indicated their adherence. These included, among the others, Buddhist, Hindu, Islam, Moslem, Parsi, and Sikh. The large groups were as follows: United Church 35.7%, Anglican 19.5%, Roman Catholic 17.6%, Presbyterian 8%, Baptist 3.7%, Lutheran 2.8%, Hebrew 1.7%. Each of the other denominations was represented by less than 1 per cent of the students.

It is always of interest to record the distribution of the students by geographical sources. Dealing only with the new students in the intramural programme, 1,763 in number, there were 918 (53%) from the fourteen counties of Western Ontario. Of this number 343 (19%) came from Middlesex County, including the City of London. From other areas in Ontario there were 667 new students (38%). Thus a total of 1,585 new students (90%) came from various parts of the Province of Ontario. Slightly more than 5 per cent came from seven other provinces of Canada and about the same from outside Canada - 24 from other parts of the Commonwealth, 16 from the United States, and 45 from



other foreign countries. These figures, as mentioned above, deal only with new students.

Much has been said about the failure rates in the universities and the reasons for such failures. At this time only a summary of the examination results will be given.

<u>Faculty of Arts and Science</u>	<u>% who passed, including supplementals or specials</u>
<u>Constituent University</u>	
College of Music	84.6
Middlesex College	73.7
University College	72.8
Correspondence and Extension	90.5
Summer School	82.6
<u>Affiliated Colleges</u>	
Huron College	55.4
St. Peter's Seminary	83.6
College of Christ the King	68.7
Ursuline College	49.6
Faculty of Arts and Science (Total)	<u>75.6</u>
School of Business Administration	99.4
Faculty of Engineering Science	74.1
Faculty of Law	87.0
Faculty of Medicine	100.0
School of Nursing	96.3
Faculty of Graduate Studies	83.5
WHOLE UNIVERSITY	<u>79.3</u>

These figures do not include students who advanced in their courses conditioned in one subject or who cleared their records by Summer School work.



A few observations relative to the above figures are in order. In the first instance it must be remembered that students are not admitted to the School of Business Administration and to the Faculty of Medicine until they have successfully completed two years in the Faculty of Arts and Science at honours level. Those entering the Faculty of Law must have completed at least two years of a university course either here or at another university.

Entrance into the Faculty of Arts and Science and into the Faculty of Engineering Science, on the other hand, is direct from the secondary schools. A higher failure rate, although undesirable, is nevertheless to be anticipated in those Faculties and Schools which admit directly from the school system than in those Faculties and Schools which admit only pre-selected students.

Again, the much higher failure rate in the Affiliated Colleges is due almost entirely to the high academic standards upon which the Colleges insist. Admitting, as they do with considerable justification, many students with incomplete Grade XIII into their "preliminary year" the Colleges are completely justified in demanding of these students academic performance in keeping with general university standards before advancing them to the level of "university students". The Affiliated Colleges are to be commended on their so-called stiff standards relative to these students.

The 184th and 185th Convocations were held during the year. A total of 1,080 degrees and diplomas were granted - 920 Degrees and 160 diplomas. Of the degrees, 8 were honorary and 116 were graduate. Among the latter was the first Master's Degree in Nursing to be offered by the University and, incidentally, the first such degree offered by any university in Canada.

Attached as Appendix D is a list of the winners of various Scholarships and Fellowships, and attached as Appendix E is a list of the students in the University who "made" the Dean's Honors Lists.



OFFICE OF THE COMPTROLLER

Report of the Comptroller - R. B. Willis

It is a pleasure to submit herewith a brief review of the financial operations of the University of Western Ontario for the year ended 30th June, 1961 based upon the Financial Statements and Auditors' Report for that year prepared by Clarkson, Gordon & Company.

Summary of the Year's Operating Results

The year's operations resulted in a net excess of revenue over expense of \$4,432.50. This may be compared with the following results in recent years:-

<u>Years Ending 30th June</u>	<u>Net Operating Results</u>
1960	\$ 2,797.15 Surplus
1959	13,545.25 "
1958	9,937.00 "
1957	9,745.59 "
1956	3,758.14 "

In accordance with the practice followed previously the Operating Statement includes:-

- (a) Amounts applied from research grants-in-aid and contracts, on the one hand, to cover expenditures on account of research;
- (b) The amounts, on the other hand, actually expended on research during the year.

For the year ended 30th June, 1961, research expenditures totalled \$1,142,912.39, 20.04% of the University's ordinary operating expenditures on all other activities, exclusive of ancillary enterprises. Comparative expenditures on research in recent years have been as follows:-



1959-60	-	\$ 987,716.25
1958-59	-	853,554.28
1957-58	-	634,737.34
1956-57	-	623,053.26
1955-56	-	576,460.30

The distribution of the expenditures from outside research grants-in-aid and contracts within the faculties and schools, etc. of the University during the year ended 30th June, 1961 was as follows:-

Faculty of Medicine	\$ 572,334.31
Faculty of Arts & Science	439,956.96
School of Business	
Administration	51,938.67
School of Nursing	22,633.71
Museums	5,918.24
Faculty of Engineering	
Science	3,978.11
Miscellaneous	46,152.39
	<hr/>
	\$1,142,912.39
	<hr/> <hr/>

Some idea of the present magnitude of the University's business affairs may be obtained from the fact that its total ordinary operating expenses for the year ended 30th June, 1961 amounted to \$7,081,763.00.

#### Comparative Distribution of Revenue and Expense

The following schedule shows the comparative distribution of revenue and expense for 1959-60 and 1960-61:-

(Cents omitted)



(Comparative Distribution of Revenue and Expense)

<u>Revenue</u>	<u>1960-61</u>		<u>1959-60</u>
	<u>Amount</u>	<u>% of Total</u>	<u>% of Total</u>
Student Academic Fees	\$ 2,006,535	34.29	32.17
Gifts for General and Specific Operating Purposes	78,197	1.35	1.50
Receipts for Services to Outside Organizations, etc.	237,679	4.06	4.09
Miscellaneous	15,845	.27	.25
Endowment Income	79,587	1.36	1.58
Government Grants for Operating Purposes			
Federal	\$ 1,040,360		
Provincial	1,175,000		
Municipal	75,000		
	2,290,360	39.14	40.87
Sponsored or Assisted Research Funds			
Government -			
Federal	652,044		
Provincial	28,123		
Municipal	-		
Corporations	97,528		
Foundations, Associa- tions, etc.	204,619		
Individuals and Bequests	9,426		
Endowment Income	32,785		
Joint Funds. incl. Campaigns	-		
Other Sources	<u>118,387</u>	<u>19.53</u>	<u>19.54</u>
	\$5,851,115	<u>100.00</u>	<u>100.00</u>



Net Surplus on Ancillary  
Enterprises incl. Athletics -  
\$ 5,851,115

Ancillary Enterprises  
incl. Athletics  
Income \$ 1,035,648  
Less: Net Surplus  
as above - 1,035,648  
Transfer from Reserve 195,000

Total Revenue 7,081,763

Deficit at End of Year -

Total Revenue \$ 7,081,763

<u>Expense</u>	<u>1960-61</u>		<u>1959-60</u>
	<u>Amount</u>	<u>% of Total</u>	<u>% of Total</u>
Instruction	\$ 3,512,040	61.59	61.86
Assisted Research	<u>1,142,912</u>	<u>20.04</u>	<u>20.48</u>
	\$ 4,654,952	81.63	82.34
Administration	183,008	3.21	3.51
Plant Maintenance	608,780	10.68	10.96
Scholarships, Bursaries & Prizes	17,856	.31	.33
Miscellaneous	230,089	4.04	2.55
Net Deficit on Ancillary Enterprises incl. Athletics	<u>7,323</u>	<u>.13</u>	<u>.31</u>
	\$ 5,702,008	<u>100.00</u>	<u>100.00</u>
Extraordinary Operating Expenses	339,674		
Ancillary Enterprises incl Athletics			
Expenses \$1,042,971			
Less: Net Deficit <u>7,323</u>	<u>1,035,648</u>		
Total Expense	7,077,330		
Surplus at end of Year	<u>4,433</u>		
<u>Total</u>	<u>\$ 7,081,763</u>		



Instruction and research accounted for 81.63% of total ordinary expenditure for 1960-61 on this basis, compared with 82.34% in 1959-60. The administrative and plant maintenance percentages at 3.21% and 10.68% respectively were among the lowest of the major Canadian universities.

### Grants and Gifts

The current maintenance grant of the Province of Ontario for the Provincial fiscal year commencing 1st April, 1961 was increased by \$300,000.00 per annum to \$1,475,000.00. By virtue of regulations adopted by the Province in 1958, however, the payment of the increase applicable to the quarter ended 30th June, 1961 has been deferred until the University's fiscal year commencing 1st July, 1961.

The tenth annual grant of the Government of Canada for current maintenance purposes was received in February and in an amount of \$1,040,360.00. The City of London generously maintained its operating grant at \$75,000.00 during the year and seven of the County Councils of Western Ontario provided grants for capital purposes, three of the seven appropriating sums in addition for bursaries and/or scholarships.

In February, 1961 the Legislature of Ontario once again voted generous capital grants to the Province's institutions of higher learning. The amount allocated to the University of Western Ontario was \$1,200,000.00 - an increase of \$200,000.00 over the sum voted in the previous year. None of this grant had been received as of 30th June, 1961.

From the Canada Council Capital Grants Fund the balance of the Council's grant toward the construction of Middlesex College was received during the year. This grant, plus that previously received toward the construction of Medway Hall exhausted the University's original entitlement of \$1,848,500.00. In May, 1961, however, an additional allocation of \$179,047.00 was made available, and this will be applied toward the construction of the Addition to the General Library (Lawson Memorial Library).



The Ontario Division of the Canadian Cancer Society very generously granted \$600,000.00 in the fall of 1960 for the construction and equipping of a Cancer Research Laboratory on the Main Campus. The operation of the Laboratory upon its completion insofar as salaries, apparatus and supplies, etc. are concerned will be the responsibility of the National Cancer Institute.

In September, 1960 a benefactor of the University, who has preferred to remain anonymous, donated the substantial sum of \$275,000.00 for the construction of a Library for the Richard Ivey School of Business Administration Building.

Loan, bursary and scholarship funds, available both directly and indirectly for distribution to the institution's student body, increased materially during the year. Equally gratifying were the gifts by the University's graduates to the Annual Alumni Appeal and to other funds.

#### Physical Plant

Expenditures on new and additional physical facilities during the year amounted to \$2,762,711.42 compared with \$2,323,028.29 during 1959-60.

Middlesex College, the University's new constituent arts college, was completed early in the fall. In January, 1961 the Kresge School of Nursing Building became available for occupancy, and extensive alterations to the third floor of the Physical and Chemical Sciences Building were carried out immediately thereafter in the space vacated by the School.

Before the end of the year, the Josephine Spencer Niblett Faculty of Law Building had been completed and that Faculty moved from its previous temporary quarters in the Alexander Charles Spencer Engineering Building.

The contract for the new Cancer Research Laboratory, provided as mentioned by the Ontario Division of the Canadian Cancer Society, was awarded on 18th November, 1960, construction to be completed approximately 31st August, 1961. The Richard Ivey School of Business Administration Library was



commenced on 17th March, 1961, and an Addition to the General Library (Lawson Memorial Library) was begun on 16th June, 1961.

In recognition of the need for increased recreational and athletic facilities to meet the University's rapidly increasing enrolment, the construction of an outdoor artificial ice rink was authorized on 27th January, 1961, and three additional tennis courts were approved in June, 1961.

To meet the research and teaching needs of the Department of Botany, a modest addition to the Greenhouses adjoining the Waugh Botanical Research Building was commenced on 21st April, 1961, the project to be completed by 30th September, 1961.

#### Conclusion

The year 1960-61 brought very material expansion to the University in enrolment and in added physical facilities. As well, it brought further enhancement in the University's reputation, not only in its immediate community, but throughout Canada.



## FACULTY OF GRADUATE STUDIES

Report of the Dean - R. A. Allen

For the eighth successive year the registration in the Faculty of Graduate Studies reached a new high, 393, and it is a particular pleasure to report that all divisions of the Faculty shared in the growth. It is also significant that the increase in Graduate Studies (22.4%) more than kept pace with the increase in the intramural registration of the University as a whole (17.2%).

Two developments in the academic programmes offered in the Faculty of Graduate Studies deserve special mention. In 1959 a two year graduate course in Nursing Administration was inaugurated and in May 1961 the first M.Sc.N. degree was conferred, incidentally the first in Canada. In 1959 two students registered for the first year of this programme, in 1960 six students, indicating the need for such training and the attractiveness of the course offered.

It has been pointed out in previous reports that the large number of new instructors needed to teach our expanding undergraduate student body must be trained largely in our own Canadian graduate schools. The second development referred to above was the planning and approval during the past year of a doctoral programme in Business Administration designed to train university teachers of that subject. The course will require at least four years from a Bachelor's degree, or two full calendar years from the M.B.A. The standards of the Faculty of Graduate Studies will be carefully protected by insistence on the usual regulations with respect to the thesis, course work, examinations, language requirements, etc. The first candidates will register in September 1961 and as an additional safeguard it is planned to admit only two or three students in the first year.

Faculty of Graduate Studies statistics will be found on the following page.



Faculty of Graduate Studies

	<u>1957-58</u>	<u>1958-59</u>	<u>1959-60</u>	<u>1960-61</u>
Arts and Science	101	124	140	184
Business				
Administration	145	170	161	178
Medical Sciences	23	20	18	23
Nursing				
Administration	-	-	2	8
	<hr/>	<hr/>	<hr/>	<hr/>
	269	314	321	393

1960 - 1961

Humanities and Social Sciences

Medical Sciences

Economics	3	Bacteriology and Immunology	1
English	28	Biochemistry	6
Geography	14	Biophysics	6
German	1	Medical Research	1
History	15	Microscopic Anatomy	1
Mathematics	5	Pathological Chemistry	2
Philosophy	7	Pharmacology	1
Psychology	12	Physiology	2
Romance Languages	<hr/> 10	Preventive Medicine	<hr/> 3
	95		

23



Natural Sciences

Botany	8
Chemistry	22
Geology	6
Geophysics	8
Physics	26
Zoology	<u>19</u>
	89

Business Administration

First Year	101
Second Year	<u>77</u>

Nursing Administration

First Year	6
Second Year	2
	—
	8

Degrees Conferred October 1960 and May 1961

Ph.D.	10 -	2 Biophysics	
		1 Botany	
		4 Physics	
		1 Physiology	
		2 Zoology	
M.A.	13 -	1 Economics	3 History
		1 English	2 Mathematics
		1 French	1 Philosophy
		3 Geography	1 Psychology
M.B.A.	74 -	74 Business Administration	
M.Sc.	17 -	1 Biochemistry	1 Geophysics
		1 Botany	3 Physics
		1 Chemistry	4 Physiology
		3 Geology	3 Zoology
M.Sc.N.	<u>1 -</u>	1 Nursing Administration	
Total	115		



## FACULTY OF MEDICINE

Report of the Dean - O. H. Warwick

This Faculty records with regret the deaths of two valued members of staff, Dr. J. H. Geddes and Dr. T. H. Coffey. Each had contributed much to the teaching and practice of medicine in this community over a period of many years.

With the closing of the academic year Dr. J. B. Collip retired from his position as Dean of the Faculty and Dr. G. E. Hobbs resigned as Assistant Dean. The Faculty gratefully recognizes their untiring efforts and accomplishments. Their services fortunately are not being lost to the University and Faculty since Dr. Collip will be continuing as Professor and Head of the Department of Medical Research, and Dr. Hobbs as M. F. Fallon Memorial Professor of Preventive Medicine, Professor and Head of the Department of Psychiatry and Preventive Medicine. We note with regret also the retirement of Dr. W. C. Sharpe, Assistant Professor of Medicine and Superintendent for many years of the Beck Memorial Sanatorium, and of Dr. C. A. Cline, Senior Associate in Medicine and respected physician and neurologist in this community. To them we express our thanks for the many services given.

Of the many awards made by outside bodies to members of our staff we mention two of special interest. Dr. R. G. E. Murray, Professor and Head of the Department of Bacteriology and Immunology, was granted leave of absence from January 1st, 1961 to December 31st, 1961, to take up a Royal Society of Canada Travelling Research Award. Dr. Murray has taken this opportunity to spend the year in laboratories associated with outstanding university centres in Europe. A John and Mary R. Markle Foundation grant for a Scholar in Medical Science was given to Dr. Allan M. Lansing. Dr. Lansing is one of our graduates, and arrangements are being made to put to best use his demonstrated ability in the teaching of surgery.

The Board of Governors and the Senate approved the setting up of a separate Department known as Therapeutic



Radiology under Dr. Ivan H. Smith. Such action recognizes both the growing importance of this specialty and the international reputation which this centre has established in the treatment of malignant disease.

Another step of significance to our academic work is the introduction, in the first year of medicine, of a course in human genetics. By reason of scientific advances recently made in this field, some from this University, genetics has become of increasing importance, and we have been fortunate in obtaining the services of Dr. Hubert C. Soltan, a young man extremely well qualified to initiate what certainly will be an expanding programme.

During the year construction was begun on the Cancer Research Laboratory for which funds were donated by the Ontario Division of The Canadian Cancer Society. The building is attached to the Kresge School of Nursing and eventually will stand between this institution and the new Basic Medical Sciences Building. Support of the research undertaken in this new laboratory will be given primarily by the National Cancer Institute of Canada. The Director will be Dr. A. C. Wallace, one of our post-war graduates, who has already an international reputation in the field of experimental pathology as applying to problems in cancer research. The laboratory will not represent or house a new department within the Faculty of Medicine but will be designated simply as a special laboratory whose senior personnel will hold appropriate rank in the discipline most closely associated with their particular field of work.

As evidence of continuing progress and development in post-graduate studies, we are pleased to report that The Royal College of Physicians and Surgeons of Canada has approved a three-year course in Ophthalmology, consisting of two clinical years at Victoria Hospital and one in basic science.

Whereas the Regulations of The College of Physicians and Surgeons of Ontario previously required that graduates of our medical schools should produce evidence of one year of satisfactory post-graduate rotating internship in a Canadian hospital approved by the Canadian Medical Association, it is now possible for graduates, as an alternative, to spend the year



in a United States hospital having full university affiliation. This change in regulations is mentioned because there had been considerable criticism of the regulation restricting the junior rotation year to Canadian hospitals.

Of particular interest to this Faculty is the report of a Committee appointed in 1960 to consider revision of the present medical curriculum. It will be remembered that a Liaison Committee on Medical Education of The Association of American Medical Colleges and The American Medical Association, following a visit here in 1959, suggested consideration be given to teaching Pharmacology and Pathology in second year only, and that consideration be given also to introducing the "block system" of teaching in the two clinical years. The Faculty is grateful to Dr. Douglas Bocking and other members of the Committee for the very detailed study made in this regard. The Committee recommended that the proposed changes be adopted in principle. These include the integration of basic science courses, the establishment of inter-disciplinary conferences, the provision of time in the curriculum for various elective courses, and introduction of "block teaching" in the third and fourth years. The possibility of a one-year premedical course for selected Grade XIII students was also explored. The problems inherent in the introduction of these various changes have been discussed by the Council of the Faculty. There is general agreement with the report although certain difficulties are envisaged. The "block system" of teaching in the clinical years will require additional full time staff. Additions to the basic science departments will also be necessary if integrated courses, electives, and the honours basic medical science course are to be introduced. Action in regard to the report may be anticipated in 1962. This would mean that the first three years would be on the revised timetable by the autumn of 1964, which we hope would coincide with the opening of the new Basic Medical Sciences Building.

That the Faculty has been active in research is amply supported by there having been over 150 papers published during the year under review. It is interesting also to note that the Faculty of Medicine receives from granting bodies approximately one half million dollars per annum.



Visitors to the campus have increased in numbers and have included during the past year the following outstanding personalities: Dr. R. F. Farquharson, Professor of Medicine Emeritus, the University of Toronto; Dr. Benjamin Castleman of the Massachusetts General Hospital; Mr. Cyrus Eaton, the industrialist; Professor Bentley Glass of the Johns Hopkins University; Dr. Aaron Novick from the Institute of Molecular Biology, University of Oregon; Dr. L. D. Proctor of the Henry Ford Hospital, Detroit; Dr. I. Halbrecht of the University Medical School in Israel, and Dr. Charles Ford, Head of Radiobiological Research at Harwell, England.



## FACULTY OF LAW

Report of the Dean - I. C. Rand

The second year of the Law School has, on the whole, been as satisfactory as could fairly have been expected. Physical accommodation of library and classrooms, secondary as it is, furnishes nevertheless a condition which in these days has an influence on the spirit and cohesion of the student body and is a material factor in the generation of that ferment of ideas and intensification of intellectual urgency and élan, which characterize education at its best. In the somewhat severe limitations of this feature during the first two years the advance toward that objective has been sustained, and the loyalty and initiative shown by the students in organizing and participating in activities appropriate to that end deserve much praise.

Among these accomplishments have been the setting up of a student publication under the name The Western Law Review and the entrance into an inter-school Moot Court Competition. The first number of the Review was issued in September, 1960, and in the quality of the articles presented was a creditable accomplishment. In the competition the school representatives at a debate held in Toronto acquitted themselves capably. With the new facilities now available and particularly the splendid Moot Court Room, there is no reason why the introduction to advocacy of this nature should not lay the foundation of forensic competence which is too often absent in the proceedings of our judicial tribunals.

In these days of multiple distractions too few Canadian students are committing themselves to that absorption in the subjects of instruction which characterizes the foremost professional schools of both Europe and the United States; too many fail to appreciate the intensity of work done say at Columbia, Chicago, Harvard, or the Massachusetts Institute of Technology. The required courses in law, for example, set for the average student a task that taxes his full capacity to achieve an intellectual mastery of the ideas presented to him; for the first time he is called upon to form judgments or to reach conclusions by the exercise of his reason upon factors and considerations which are not susceptible in any dimension of scientific measurements. There is



involved in law also, not only the acquisition of knowledge but the learning of an art. This is not always apprehended by votaries of other disciplines but it is in this setting that the law school finds its challenge. I am glad to be able to say that the members of the faculty are fully alive to the general desiderata presented and are directing their best efforts to supplying it.

During the year the personnel of the teaching staff has undergone changes. In April Professor R. St. J. Macdonald resigned as of June 30th; to succeed him we were fortunate in being able to engage Dr. J. J. Gow, an experienced teacher and practitioner, at the time Assistant Dean of the Faculty of Law of Queen's University, Belfast. Dr. Gow is a graduate in Arts and Law of Edinburgh University, has practised law in both Tasmania and Australia, and has taught in the latter dominion. Added to the staff as a lecturer is Mr. Gary Keyes, a graduate of Osgoode Hall, 1960, who during the year 1960-61 has been associated with a leading law firm in Toronto. Two additional practitioners of London have likewise been added: Mr. E. A. Cherniak, a graduate of Osgoode Hall, 1960, who will give the course on Community Planning; and Mr. J. A. Beechie, also of Osgoode Hall, who will lecture on Real Estate Transactions. This makes up a staff of seven full time and three part time teachers; with this group, and a competent secretarial personnel, the school is now well on the way to carry out the work which lies before it.

The registration in September, 1960, was of 23 second year and 51 first year students. Of the latter, four withdrew before the end of the first term. The examinations of May, 1961, for the second year class showed 22 to have passed of whom 8, or 36.4%, made a B grade; and for the first year 39 out of 45 writing of whom 7, or 18%, attained that grade; the percentage of failures was somewhat less than in 1959-60 when 10 out of 33 taking the examinations were unsuccessful.

Changes in the curriculum reflect the experience so far of the school and further experience no doubt will call for others. Though we are bound by the regulations of the Law Society of Upper Canada, rearrangements in the scope of subjects are permissible and will enable instruction to be more effective. These areas tend to expand or contract in development and importance and, in many cases, to differentiation in sectors. Unavoidably



this specialization will make further demands on the school. It is perhaps unnecessary to add that that process parallels the evolving complexity of Western society, the political, social and economic institutions and policies of which are in a state of plasticity and remolding undreamt of in past periods. To the radical recasting of human relations law must adapt itself; principles of the past and their applications must be re-examined and regulations for the future newly formulated. Law is becoming more clearly the dominant though not the exclusive institution of social control; and as never before its operations are extending their impact on our total life. Co-ordinated with other agencies it is increasingly necessary that its representatives apprehend society in all significant aspects. This means deeper understanding of the transformations now evolving and no more puzzling problem than their reconciliation, the peculiar function of law, can be presented to society.

The new law school building was opened for occupation by the library and teaching staff on June 1st. Included among the books acquired was a complete set of the National Reporter System of the United States, with its accompaniment, the Century Digest. This brings to the school the reports of judgments in all state courts of that country since the latter part of the 19th century and of the federal courts since their establishment. It is rapidly becoming evident that the experience of the administration of justice in the United States is of important relevance to the juridical problems now multiplying in Canada. The work being done in the Republic in legal research, in law school training and in adjudication of both courts and administrative tribunals, is on a scale never before approached; and to have available in the school the record of that body of legal thinking, positive and philosophical, will be of inestimable advantage. In addition to similar law reports from the countries of the Commonwealth, as well as our own, we have at hand a large part of the voluminous output of textbooks, commentaries, histories, articles and miscellaneous works and writings, including the law reviews of the law schools, from the same jurisdictions. The reference to the United States is not to suggest the slightest diminution of the paramount value of similar works and records of courts and tribunals of the United Kingdom and the other members of the Commonwealth. At the same time the field of Comparative Law is being brought within the scope of the



school's activity; the Civil Law works including the reports of the courts of Quebec will soon be adequate for effective acquaintance with that legal system. Similarly in relation to International Law: we are well supplied with all manner of data pertinent to that area of regulation which is rapidly assuming enormous scope and importance.

We will soon be in a position to advance to some degree of associated instruction with other disciplines such as that of the School of Business, and the Political Science Department, to name two of those nearest allied; and the role of law in its incidence in both these fields is daily taking on greater significance.

A supplementary role is being played by the school in acquainting students of Engineering, Business and other faculties, by means of lectures, with the general ideas and principles of our legal system and with those special features of law met with in the workings of those activities. This acquaintance is thought to be desirable as an introduction to the special relations between such functions and the general regulation of law.

The publication by the Faculty of a journal bearing the name Current Law and Social Problems, initiated in 1960, contained in its first number articles of substantial interest. It is intended to be a medium for the expression of views on matters of topical concern exhibiting fresh thinking on and insight into their many aspects and tendencies. The resignation of Professor Macdonald necessitated a transfer in the editorship which from now on will be held by Mr. Palmer. In addition to several articles for law journals by members of the faculty, it is a pleasure to report the acceptance by Columbia University of Mr. Fatouros' J.S.D. Dissertation on the subject of State Guarantees to Foreign Investors which will be published during the coming year.

At Convocation in May, the ceremony of laying the cornerstone took place at which we were happy to have present Mrs. Josephine Spencer Niblett whose generosity in so great a degree made possible the magnificent building which, for the requirements of the school, it would be difficult to surpass. Mrs. Niblett at Convocation was the recipient of an honorary degree of Doctor of Laws.



## FACULTY OF ENGINEERING SCIENCE

Report of the Dean - R. M. Dillon

On the 1st of September 1960 the Faculty of Engineering Science was formed by authority of the Board of Governors. To begin my first Report as Dean of Western's newest Faculty, I would like to express my appreciation to Professor L. S. Lauchland, and the Engineering Science staff for their cooperation during the past year and my admiration for their accomplishment in organizing the Department of Engineering Science during the six years between 1954 and 1960.

The newly formed Council met for the first time on Tuesday the 27th of September, twelve members being present. Committee and Chairmen appointed included the following: Academic Standing - Kearns, Admissions - Bulani, Calendar Committee - Poucher, Scholarship Committee - Emmerson, and Educational Policy, the Dean.

The Admissions Committee has, in accordance with recommendations made by the President's Ad Hoc Committee on Admissions Policy, been operating more or less continuously throughout the year. In addition to applications from Grade XIII students a considerable number of foreign students and others seeking admission with advanced standing have been dealt with. Next year we should for the first time be enrolling some foreign students.

In the fall of 1960 the Educational Policy Committee reviewed the undergraduate curriculum and made several recommendations which should strengthen the program in the coming year. A new course, Engineering Analysis and Design will be introduced into the Third Year the object being to develop students' ability to recognize and define problems of an engineering nature and to proceed to a logical solution based on engineering principles. A second new Fourth Year course will also be introduced - Numerical Analysis and Design, which is designed to familiarize the students with numerical methods and computer coding and includes the solution of at least one problem in engineering design using the facilities of the computing centre. Both courses will



be scheduled by re-arrangement of the present curriculum, the total number of hours of instruction remaining essentially unchanged. Our curriculum study will be continued with a view to formulating plans for future development. An Ad Hoc Committee on Curriculum Policy under the chairmanship of Professor J.E.K. Foreman has been set up for this purpose. The working committee is to consist of the Educational Policy Committee, together with Professors J. Blackwell, W. Balderston, R. Shervill, and J. K. Watson of the Faculty of Arts and Science. In addition the following members of the Advisory Committee have been invited to participate: Dr. K. F. Tupper, Dr. A. D. Misener, Dr. E. V. Buchanan, Mr. D. D. McGeachy, and Mr. J. B. Cronyn. The Committee on Engineering Science will consider the development of a curriculum including graduate and undergraduate instruction as well as the development of research. Among the topics suggested to the Committee for discussion are: unified engineering programs, course loading for staff and students, cooperative programs, the humanities and social sciences, and the development of engineering design.

On May 17th, 1956, the Board of Governors approved the formation of The Advisory Committee for Engineering Science. The original membership was comprised as follows: J. D. Barrington, Chairman of the Board, Ventures Limited; E. V. Buchanan, Consulting Engineer; A. W. Cope, Chief Engineer, John Thompson-Leonard Limited; J. B. Cronyn, Vice-President Production, John Labatt Limited; R. M. Dillon, Director, M. M. Dillon & Company Limited; Dr. R. L. Hearn, Consulting Engineer; C. H. Ivey, Chairman of Board, Emco Limited; J. D. Judge, President, General Products Manufacturing Corporation Limited; Dr. C. J. Mackenzie, President Atomic Energy Control Board; D. D. C. McGeachy, Calumet & Hecla of Canada Limited; V. A. McKillop, General Manager, Public Utilities Commission of London; G. R. McMillin, Refinery Manager, Imperial Oil Limited; J. L. Mingle, Minnesota Mining and Manufacturing of Canada Limited; E. V. Rippingille, Jr., President and General Manager General Motors Diesel Limited; L. D. Smithers, President Dow Chemical of Canada Limited; D. B. Strudley, Imperial Furniture Manufacturing Company Limited; K. F. Tupper, President, Ewbank and Partners (Canada) Limited; J. A. Vance, J. A. Vance General Contractors Limited, and G. L. Wilcox, President Canadian



Westinghouse Company Limited. Membership from the Board of Governors was as follows: Lt. Col. D. B. Weldon, Lt. Col. J. G. Thompson, Messrs. H. R. Newell and C. F. Stevens, and from the University Dr. G. E. Hall and Dean F. Stiling. The inaugural meeting was held on 9th September 1957, thirteen members being present. The University and the Board of Governors were fully represented. The staff of the Department of Engineering Science attended including Professors L. S. Lauchland (Secretary), J.E.K. Foreman, M. P. Poucher, and A. T. Olson.

The second meeting of the Advisory Committee was held on Monday, November 3rd, 1958, again with thirteen members present. A third meeting was held on November 10th, 1960, and subsequently annual meetings will be held each fall. The value of the assistance rendered cannot be overemphasized. Advice backed up with active support has been freely extended, bearing on matters of industrial cooperation, student employment, affiliation with technical societies and procurement of laboratory equipment, and the Faculty is extremely appreciative of the efforts of its Advisory Committee.

During the 1960-61 session the Board of Governors approved the following appointments to the Advisory Committee. Mr. J. R. Houghton, P. Eng., Vice-President, Northern Electric Company, Montreal, Dr. A. D. Misener, P. Eng., Director Ontario Research Foundation, Toronto, Mr. S. Thurgar, General Manager Canadian Westinghouse Company Ltd., London. The following resignations were accepted during the same period: Mr. R. M. Dillon, Mr. G. L. Wilcox.

The membership of the Advisory Committee now stands at 20.

The following lecturers assisted this year in the fourth year Engineering Practice course. G. R. McMillin, P. Eng., Manager, Employee Relations Department, Imperial Oil Ltd., J. B. Cronyn, P. Eng., Vice-President Production, John Labatt Ltd., Mr. Emerson Creed, Financial Editor, London Free Press, Mr. Laurence Sefton, Director, District 6, United Steelworkers of America, Mr. H. W. Hamilton, Superintendent, Plant No. 4, Canada Cement Co. Ltd., J. R. Houghton, P. Eng., Manager, Northern Electric Co. Ltd., London, K. F. Tupper,



P. Eng., President Ewbank and Partners (Canada) Ltd., Toronto, Mr. Hugh Bremner, News Editor, London Free Press, Dr. G. E. Hall, President, Dean I. C. Rand, Dean of the Faculty of Law, and John Shortreed, P. Eng., Superintendent of Buildings & Grounds.

In the fall of 1960 a system of Faculty Advisers was organized for the freshmen and second year students, each of whom was required to consult with his adviser at least twice during the year. On the basis of one year's experience it has been decided to continue this program and to widen its scope. In September 1961 Faculty Advisers will meet their students earlier than last year and will assist and advise students during enrolment and will take an active part in the orientation program.

Our full time teaching staff comprised thirteen full-time members. In addition for 1960-61 there were nine part-time assistants, all Engineering graduates, from the M.B.A. course of the School of Business Administration.

In cooperation with the University Extension Department, Professor L. S. Lauchland and Professor J. E. K. Foreman offered courses to Engineers-in-Training with London industry who were writing qualifying examinations for the Association of Professional Engineers. Lectures extended from November through April.

Professor M. P. Poucher and the Dean assisted the Department of Extension in organizing a series of lectures sponsored by the London Builders Exchange for construction superintendents. This course attracted widespread interest and a total of over 200 enrolled for a series of 6 lectures. Professor Poucher lectured to this group on reinforced concrete design.

Professor A. Davenport was awarded the 1960 Duggan Prize by the Engineering Institute of Canada for his paper entitled "The Wind Induced Vibration of Guyed and Self-Supporting Cylindrical Columns".

Participation in the affairs of technical societies is most important. During the 1960-61 session there was an increase in this activity. Among the meetings attended by Faculty members during the year were:



1960 Syracuse University Sagamore Conference on Electrical Engineering Education. Professors Lauchland and Chess .

Engineers Council for Professional Development, Montreal, October 2nd and 3rd, 1960. The Dean.

Joint American Society of Mechanical Engineers - Engineering Institute of Canada Conference on Engineering Education, Montreal, October 4th, and 5th, 1960. The Dean and Professor Foreman.

American Society of Mechanical Engineers 1960 Annual Heat Transfer Conference, November 1960, New York City, Professor Emmerson.

Engineers Council for Professional Development, Montreal, October 2nd and 3rd, 1960. The Dean.

75th Annual General Meeting Engineering Institute of Canada, Vancouver, B.C., May 30th to June 2nd, 1961. The Dean and Professor Davenport.

American Society for Engineering Education Annual Meeting, University of Kentucky, Lexington, June 26th, Professors Lauchland and Poucher .

Professor Lauchland acted as Examiner in Mathematics I for the Association of Professional Engineers of the Province of Ontario. He had fulfilled similar functions for a number of years.

Professor L. S. Lauchland was appointed to the City of London Technical Institute Committee. Meetings were held on 16th November, 14th December, 1960, and 14th June, 1961.

The Dean visited Engineering Schools at the following universities during the 1960-61 session. University of Toronto, Carleton University, University of Ottawa, Queen's University, University of Waterloo, McGill University, Massachusetts Institute of Technology, Stevens Institute of Technology, Princeton University, the University of British Columbia, Royal Military College, Kingston.



By June, 1961, installation of apparatus for our undergraduate laboratories had progressed satisfactorily. By the fall of 1961, equipment valued at approximately \$366,000.00 will be set up and calibrated so that laboratory courses can be offered in Electric Machines, Fluid Mechanics, Thermodynamics, Mechanics of Materials, Experimental Stress Analysis and Chemical Engineering. These facilities will be sufficient to handle from 400 to 450 undergraduates, about double the present enrolment. Beginning in the fall of 1961 some of this temporary excess accommodation can be utilized for graduate students. On this basis no further requirements for building facilities is foreseen before 1965 or 1966. Additional apparatus for graduate training will undoubtedly be needed prior to this time, however,

Until 1960 the Faculty was engaged in the development of the undergraduate program, in the construction of a new building and in the purchase of new apparatus to such an extent that there remained little or no time for research. During the summer of 1960 one project was supported by the National Research Council. Professor W. Bulani conducted polarographic study of fused salts. In May of 1961 a marked increase in research activity was evident. Dr. Bulani was continuing his project under the sponsorship of N.R.C. and Professor Davenport was commencing an investigation of the effect of strong gusty winds on tower structures. This project was also being supported by N. R. C. In addition to these two projects, several others were underway being sponsored with Faculty funds. These included the following:

- Professor Lauchland - Electro-Mechanical Energy Conversion
- Professors Foreman & Bulani - Combustion Spectroscopy
- Professor Foreman - Inferential Metering
- Professor Kearns - Fluidization and Heat Transfer

Funds to support this work were obtained from the Alexander Charles Spencer Endowment Fund and from the Edna E. Jeffery Engineering Research Fund. This very considerable increase in research activity was regarded as an encouraging step forward but it was realized we have a great distance to go before research on an adequate scale is an accomplished fact. Up until 1961 all funds available from the Spencer Endowment had been utilized



in purchasing books and journals for the Engineering Science Reading Room, however, beginning in July, 1961, the sum of \$4,000.00 was allotted for research.

Enrolment in Engineering Science from 1954 to May 1961 was as follows:

Year	I	II	III	IV	Total
1954-55	20				20
1955-56	27	17			43
1956-57	53	17	12		82
1957-58	51	41	11	12	115
1958-59	79	44	25	10	158
1959-60	95	40	29	21	185
1960-61	93	45	24	21	183

The following figures describe the forecast of enrolment to the 1966-67 term at which time it is assumed we will reach an undergraduate enrolment of about 400 which is the maximum envisaged at the present time. If the drop in engineering enrolment at present being experienced in the United States should occur in Canadian universities, it may well take us somewhat longer to reach this ceiling.

Year	I	II	III	IV	Total
1961-62	100	63	32	23	218
1962-63	115	70	45	39	269
1963-64	130	80	50	40	300
1964-65	145	91	58	45	339
1965-66	160	102	65	52	379
1966-67	175	112	72	59	418

On the 27th of February, 1961, the University of Western Ontario Student Chapter of the Engineering Institute of Canada was formed. John Westeinde was elected Chairman and Don Dickson, Vice-Chairman. David Fader was secretary-treasurer. Professor J. E. K. Foreman, Faculty Adviser reported that the Chapter now has close to 100 members. On March 16th, 1961, a joint EIC-UES Dinner was held in Somerville House. The



speaker on this occasion was V.A. McKillop, B.A.Sc., P. Eng., General Manager of the London Public Utilities Commission, a member of the Advisory Committee. On February 28th a joint meeting was held with the London Branch of the Engineering Institute of Canada. The meeting was held at Wolseley Barracks and featured a number of addresses on careers in engineering.

The U.E.S. has sponsored our first faculty paper. "The Engineer" appeared throughout the academic year on a bi-weekly basis under the able editorship of A.C. Davanzo.

From the time Engineering Science was first introduced at Western it was agreed that instruction in basic science, social science and humanities should be offered by the respective departments of the Faculty of Arts and Science. This principle makes good sense not only economically but also from a paedagogical point of view. The system has worked very well to date, due in no small measure to the sympathetic cooperation of those members of the Faculty of Arts and Science concerned. Despite this, there is cause for some concern about the extent to which recent increased enrolment has taxed existing laboratory and teaching facilities in University College. For the coming year, despite most careful planning, shorter laboratory periods and enlarged classes for lectures have had to be scheduled, which inevitably will result in dilution in the quality of some first and second year courses in Chemistry, Mathematics and Physics. This point is mentioned not as a criticism of the Departments concerned, but rather of the general situation. The vital importance of Mathematics, Physics and Chemistry in our curriculum is obvious. Under no circumstances can these courses be considered as "service courses", since a thorough grounding in the basic sciences is a prerequisite to understanding of the Engineering Sciences. Courses in Mathematics, Physics, and Chemistry are just as important to students of Engineering Science as they are to those students pursuing honor courses in these disciplines. It is therefore to be hoped that every effort will be made to alleviate the shortage of facilities as quickly as possible - bearing in mind the needs of honors science and engineering science students alike.



## FACULTY OF ARTS AND SCIENCE

### Report of the Dean - F. Stiling

The Senate broke tradition when it decided at its meeting on December 9th, 1960 to discontinue requiring the so-called service courses. Students are no longer required to take courses in Library Science, Health Lectures and Physical Education 10. For some time there has been a growing feeling that the essential part of these courses has either been covered in secondary schools or can be acquired by an intelligent student who takes advantage of the facilities offered by the University. In addition to this academic reason, it should be pointed out that the freshman registration is now so large that a special staff would have to be employed to provide this instruction.

Within the University, the outstanding fact has been the opening of Middlesex College with its first freshman class of 344 students. The fine facilities provided by the Board of Governors have been greatly appreciated not only by the Middlesex College students, but by all students of the Faculty of Arts and Science. The new college includes departments of Economics and Political Science, English, Geography, History, Psychology, Philosophy, and Romance Languages. These departments cooperate with the corresponding departments already existing in University College and have worked out a very satisfactory arrangement. Although the development of some rivalry between Middlesex College and University College was inevitable, it is clearly understood that the faculties of the two colleges will cooperate even though they may develop emphases in Middlesex College slightly different from those in University College. The desire is to have a healthy spirit of teaching and scholarship in both colleges and not to consider either one a senior or merely a servant offering the required pass courses. This past year has illustrated that the colleges can work well together; the faculty in one college offers in its own quarters instruction to students in the other college. Toward the end of the year, Professor Conron found it necessary to resign as Principal of Middlesex College and the Board appointed Professor D. G. G. Kerr as his successor.



The College of Music is now the name of the institution formerly designated as Music Teacher's College; the new name properly signifies the scope of the College. The new Principal, Clifford von Kuster, has done much to make the College an integral part of this Faculty.

The relations among the university colleges and the affiliated colleges have steadily improved, largely because of the opportunity for the exchange of ideas and opinions afforded by the monthly meeting of the Arts Educational Policy Committee of the Senate. Even though the Principal of Huron College, Dr. Coleman, was elected to the episcopate there was no disruption from the university's point of view. Suffragan Bishop Townshend acted as Principal immediately following Dr. Coleman's removal. The various colleges have worked together to achieve common academic standards and practices.

During the year under review, the Faculty of Arts and Science had a full-time undergraduate enrollment of 3,040 in the three affiliated colleges and the three colleges of the university.

The maintenance of numbers is gratifying although Waterloo College severed its connection with the University on June 30th, 1960.



## UNIVERSITY COLLEGE

### Report of the Principal - F. Stiling

The crowding of students in the natural sciences, which was referred to in my last report, continues to exist this year and will continue to create increasing problems as the registration increases until we have greater accommodation in the natural sciences.

Despite this discouraging beginning, I am happy to report that there are many examples of the increase in both the quantity and quality of scholarship in University College. Not only is this fact attested by the list of publications accompanying this report, but also by the development of seminars and colloquia and by the number of faculty members who have achieved fellowships in learned societies. To the former there were participants from outside the institution such as Dr. S. T. Reid, University of Glasgow, Dr. T. Mooney of the University of Glasgow, and Dr. E. G. Torrible, Birkbeck College, London, who attended graduate seminars in Chemistry. Professor Philip Obreanu, recently arrived from Bucharest, in Mathematics, Dr. Cohen of the Mellon Institute, and Dr. Charles Drake of Lamont Geological Observatory, Dr. J. B. Thompson of Harvard University and Dr. R. L. Flint of Yale University in Geology. Additional stimulus has also been provided by two visiting professors and scholars: Professor G. F. Temple of Queens College, Oxford, spent four weeks in the Department of Mathematics and Dr. Louis Herman, Lecturer in Physics at the Sorbonne, spent three months with the Department of Physics here.

University College was not, however, exclusively the recipient of stimulus, because several members of the faculty gave speeches outside the University on this continent and abroad. For example, Professor D. C. Bradley delivered a paper on Chemical Bonding in Metal Alkoxides at the Conference of the American Chemical Society in St. Louis; Professor William Wehlau attended the opening of the Dominion Radio Astrophysical Observatory at Penticton, B.C.; Professor R. Wonnacott addressed the



American Econometric Society for The Price Relationship of the Canadian and American Economics; Professor J. Reaney gave a public reading of poems at the Poetry Centre at the University of British Columbia and Professor A. W. A. Brown delivered a paper in Vienna and attended the second conference on Onchocerciasis at Brazzaville, Republic of Congo.

Several members of the faculty have been recognized by governments including Professor C. J. Hickman who has been appointed to the board of directors of the Royal Botanical Gardens in Hamilton. During the summer of 1960 Professor D. Eldon prepared a 250 page report for the Royal Commission on Transportation. Since then, but still within the year under review, Professor J. A. McIntyre was appointed as a research specialist to the Glassco Commission on Government Organization in Ottawa and Professor J. L. Wild was appointed to the staff of the Royal Commission on Government Organizations.

Although the attendance at University College is increasing, rather strangely there is a slight decrease in the number of students registered in the course in Secretarial Science. Professor Hickman calls attention to a problem which is not new but may merit some attention; namely the depressingly small number of students enrolled in honours botany. I should point out that in the complex department of Economic and Political Science, to which I apply the term "complex" because it embraces three disciplines - economics, political science, and sociology, we have strengthened sociology by adding Professor McIntyre. It will undoubtedly be necessary to continue adding staff in sociology. It should not be forgotten that for some years we have been struggling along in Russian Studies with the valuable assistance of a part-time staff. Soon, however, it will be necessary to establish not only a full-time staff but a regularly organized department in order to develop this discipline. During the year the Senate approved of a course in Comparative Literature which at present requires pass courses in Russian but which undoubtedly will soon require honours work in both Russian language and linguistics.

At the beginning of this year, the Principal was relieved by the appointment of an assistant, Dr. Robert J. Uffen, who has been very kind and efficient in relieving the load on the Principal.



## MIDDLESEX COLLEGE

### Report of the Principal - A. B. Conron

When Middlesex College admitted its first freshman class of 344 students in September there were many portions of the new building still uncompleted. It was not until January, indeed, that the workmen finally withdrew and faculty and students could enjoy lectures and laboratories uninterrupted by the sounds of construction and the odours of paint.

The completion of the building made available the facilities of the central portion of the College. The Cafeteria and Terrace Lounge, the Theatre Auditorium, and the Study and Examination Room have proved invaluable for a variety of college, university, and even community functions. These ranged from student dances to informal gatherings of faculty with prospective honours and major students, conferences of teachers of English (at both secondary and university levels), of the Ontario Modern Language Teachers Association, of Business School Alumni, of rural and suburban planning boards, as well as many of the lectures given to selected Grade XIII students from London's secondary schools. The Barbara Ross Spencer Library, already equipped with more than 3,500 books, has added immeasurably to the academic life of the university. Dr. Wilfred Jury's display of early weapons and Indian relics, and his models of a pioneer settlement and an Indian village, arranged against realistic backgrounds painted by Selwyn Dewdney, have provided a delicate and permanent pictorial history of Western Ontario particularly appropriate to a college named after one of its major counties.

Despite the initial physical handicaps already mentioned the College recorded a successful academic year. More than 85 percent of its students were able to proceed to second year work, and some eight percent of these attained first class standing and appeared on the Dean's Honour List. These grades, of course, reflect credit also on the teaching of the faculty not only of Middlesex College but of University College too, and give evidence of how fully the departments of both colleges have cooperated in the overall academic demands of the University Faculty of Arts and Science.



The faculty members of Middlesex College have distinguished themselves as well in their scholarly activities during this academic year. In addition to the publications listed in an Appendix to this Report there are a number of books, articles, radio and television scripts forthcoming during the next few months. This scholarship has also been recognized by way of various grants: from the Canada Council for summer research to Drs. Klinck and Hauser in English, to Dr. Tucker in History, to Dr. Davis, Head of the Philosophy Department, and to Dr. Sansom in Political Science; from the Nuffield Foundation to Dr. Ivor, Head of the Department of Economics and Political Science, for a year's leave of absence in England; from the West German Government to Dr. Lyon in Political Science for study of the Federal Republic during general elections. Dr. Klinck has also been honoured by his election in April as a Fellow of the Royal Society of Canada.

Perhaps the most visible aspect of academic development in Middlesex College during this past year has taken place in the three College laboratories. The language laboratory, comprising thirty-three student booths controlled by a master console, has proved a tremendous success. Its facilities were used by the Departments of English, German, Journalism, Romance Languages, and Russian during a total of nearly 5000 hours. Particularly significant is the fact that virtually all these periods in some twenty-four different courses were taken voluntarily by students in addition to their regularly scheduled classes in language and literature. As with the six booth pilot model of last year students once more enthusiastically welcomed this opportunity to improve their language proficiency. The fifty-seat audio-visual room adjoining the language laboratory was also used extensively by the College of Music, and various arts and science departments of both University and Middlesex Colleges.

The psychology laboratory of Middlesex College, in addition to its general basic teaching use, is being developed particularly for the study of human perception and learning. Faculty members have selected equipment and apparatus for illustrating various kinds of psychological phenomena in this area of specialization which has become so important in a world unprecedentedly cognizant of the need for the best education possible.



The geography laboratory has also significantly strengthened this department of study at Western. Fully equipped for audio-visual presentation and stocked with thousands of maps it has been visited by geographers from several other Canadian universities who have used it as a model for constructing and improving their own facilities.

During its first year of operation, then, Middlesex College obviously made distinct contributions to various aspects of Western's life. A vigorous students' council sponsored an ambitious social and athletic program of events which, although it had the disadvantage of compounding an already crowded extra-curricular schedule, did develop a real College spirit. By the end of term, indeed, this spirit had compelled the formulation of a University code of college colours in which purple and white and dark crimson were assigned to Middlesex College. Administratively the new College through its departmental heads brought a fresh and enquiring viewpoint to the entire faculty. At the same time it became abundantly clear during this year that the limitations of human understanding and temperament demand that duplicated departments be relatively equal in size to function effectively. These same limitations make it unrealistic to expect that Middlesex College, if it continues to operate along identical academic lines with University College, can ever develop beyond the Lilliputian stature of an annex to its Brobdingnagian neighbour unless some measures are taken to correct the imbalance in departmental representation and strength which presently exists between the two colleges. In my opinion additional required disciplines in the humanities and social sciences, such as anthropology and oriental studies, should certainly be developed in Middlesex College. Yet if the two colleges are to function harmoniously within the same Faculty I believe that consideration should also be given to the transfer of certain unduplicated departments from the old to the new College. I am not suggesting that the two colleges must be equal in size; but the present situation in which one is all-encompassing and self-sufficient in its disciplines and dominates unilaterally the administrative decisions of the entire Faculty threatens to destroy completely the validity of this college concept. Since the academic year 1961-62 will see all available faculty offices of both colleges occupied to capacity, and additional space must soon be provided to cope with the announced full-time enrolment of 5000 students, it is apparent that early consideration by the Faculty Council should be given to the future coordination of the colleges within the same Faculty.



## SCHOOL OF NURSING

Report of the Dean - R. Catherine Aikin

The following number of degrees and diplomas were conferred during the 1960-61 academic year:

### October 1960 Convocation:-

Bachelor of Science in Nursing - Programme B	10
Diploma in Nursing Education	5
Diploma in Nursing Service Administration	2
Diploma in Public Health Nursing	4

### May 1961 Convocation:-

Master of Science in Nursing	1
Bachelor of Science in Nursing - Programme A	16
Bachelor of Science in Nursing - Programme B	12
Diploma in Nursing Education	37
Diploma in Nursing Service Administration	20
Diploma in Public Health Nursing	72

Almost twice as many degrees and one-fifth more diplomas were awarded than during the previous academic year.

For the first time in its history, the School of Nursing now has a building of its own. The move to the new Kresge School of Nursing building took place during the Christmas recess and without doubt was one of the highlights of the past academic year. The new facilities are bright, spacious and comfortable. The amphitheatre-style classroom is particularly suitable for a case-method of teaching. Five rooms are furnished with tables and chairs adaptable for many purposes, notably group discussions and projects. The building has been planned with careful consideration of the needs of the programmes of the School of Nursing and adds a great deal to these programmes. The Faculty are particularly delighted with the adequate office and conference space.



Of special note is the new Reading Room. Here ample space has been provided for reading and studying. We are centralizing books and other materials dealing with nursing and allied fields so that students may have more direct access to them. This is certainly a very positive step forward for our students. We hope in the future to increase the numbers of books, periodicals, reports and research materials. This would appear to be particularly important for the students in our Master's programme.

#### Enrolment

The enrolment of the School continues to increase. This has necessitated further dividing of students into sections and has increased the teaching responsibilities not only of the Faculty of the School of Nursing but also of the members of other Faculties who assist the School of Nursing. For some courses the demands have become fairly acute and new adjustments will need to be made in the future.

#### W. K. Kellogg Foundation Grant

Two students entered the second year and six students were enrolled in the first year of the two-year programme leading to a Master of Science in Nursing Degree (Administration). The increase in enrolment is encouraging.

The first Master of Science degree in Nursing in Canada was awarded at the May, 1961 Convocation to Sister Mary Elizabeth. This was a proud occasion in the history of our School.

Professor Edith McDowell has ably directed the projects under the W. K. Kellogg Grant. Under her direction, Mr. Hugh Rooney and Dr. John Platt again assisted in our case-writing project and Mr. John Skafel joined our case-writing staff this summer also. Some of our cases were used within the School during the 1960-61 Academic Year. Progress has been made in rewriting of these cases and it is anticipated that they will soon be copyrighted and published.



### School of Nursing Advisory Committee

Two meetings were held during the 1960-61 Academic Session.

It was with regret that the members accepted the resignation of Dr. C. M. Hoffman who gave such support to the School not only as a member of the Advisory Committee but also as a lecturer to the students. The members wish him success as Director of the Maternal and Child Health Division of the Ontario Department of Health.

Dr. J. B. Coburn and Mr. K. Duncan have agreed to serve as members of the Advisory Committee and their contribution is appreciated.

The Advisory Committee is interested in studying the present and future needs for nurses educated at university and the financial assistance to students available for such an education.

### Other Faculty Activities

Miss Edith McDowell retired as Dean of the School of Nursing and agreed to remain on the Faculty as Professor of Nursing Administration. As well as directing the Master's programme and the other projects undertaken under the W. K. Kellogg Foundation Grant, she has generously given wise counsel and judgment to the activities of the School.

Mrs. Jacqueline Peitchinis returned to the Faculty after two years of study at the Institute of Education, University of London.

In co-operation with the Canadian Cancer Society, the School of Nursing offered two one-day conferences on The Care of the Patient with Cancer. These conferences were held in March for nurses in southwestern Ontario. The attendance was larger than anticipated and nurses were enthusiastic about the programme.



In June a six-day conference was offered by the School of Nursing in co-operation with the Canadian Tuberculosis Association. Approximately sixty nurses from Manitoba, Ontario and Quebec who attended found the conference stimulating and informative. Miss Carolyn Falls, Associate Director of Nursing, Out-Patients Department and Emergency Services, Grace-New Haven Community Hospital, New Haven, Connecticut, made an outstanding contribution as lecturer and consultant.

The Faculty members continue to participate in professional and community groups by serving on committees and attending meetings and conferences.

During the 1960-61 Academic Year the students and Faculty assisted in the canvassing for the Heart Fund. This was a highly successful undertaking.

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An increasing number of field work agencies have provided carefully planned experiences for our students. Their co-operation and interest in our educational programmes are truly outstanding. We are grateful for their suggestions and comments and their thoughtful evaluations of our students' progress are of immense help to both students and Faculty. We are indebted to them.

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During the past year I have been delighted and encouraged by the excellent co-operation I have received not only from our Faculty but from all other Faculties and Departments of the University.



## SCHOOL OF BUSINESS ADMINISTRATION

Report of the Dean - F. W. P. Jones

Last year, after four years of effort and two interim reports, the Faculty gave unanimous approval to a proposal for a Ph.D. in Business Administration. This was later sent to the Council of the Faculty of Graduate Studies and thence to the Senate. On their approval, Western became the first Canadian university to offer such a degree. Formerly, it has been necessary for students to go to the U.S.A. where it has been difficult for them to do research on Canadian business problems. Plans call for accepting the first students into this program in the fall of 1961. As a basic aim, we seek to furnish teachers for Canadian Schools of Business Administration rather than executives with advanced degrees for business.

For many years the Faculty has been giving thought to the Library needs of the School of Business Administration. Since moving into our present building, we have been adequately served by a Reading Room, but with the approval of a Ph.D. program and the expansion of interest in research, the present facilities were no longer considered to be adequate. Through the generosity of an anonymous donor we received sufficient money to commence the construction of an addition which will eventually hold one hundred thousand volumes. At the time of receiving this gift, we were assured by the Board of Governors that through the University system of Libraries we would be guaranteed adequate Librarian service and funds for an acquisition program. Shortly after receiving the gift for the Library, the Faculty chose Professor J. C. Taylor to be Chairman of the Library Committee. Under his direction and with the help of the Superintendent of Buildings and Grounds, plans and specifications were completed. In the late spring, Professor Taylor relinquished the Chairmanship of the Library Committee to Mr. John Graham, a member of the Faculty of the School, who will not only serve us but will act as a liaison with the University Librarian.

With the great growth in student enrollment at practically every university, it possibly is not of much interest to be able



to report that we also grew considerably. We were, however, cheered that we had the largest M.B.A. class in our history despite a very selective process. It is interesting also to note that for the first time we had a sizeable group of foreign students. Included among these were our first Commonwealth Scholars. The number of French-Canadian students continues to grow too. Recognizing that both classes of students have special problems, Mr. John Preston was named as Faculty Advisor to these men. The Government of Canada, realizing that many of its jobs lie in the field of administration, sent to the School and its related Courses, a larger group than ever before.

In September, on the advice of Faculty, a Long-Range Planning Committee was appointed and Professor W. A. Thompson, the Associate Dean, was named as Chairman. It is expected that this Committee will make its first report to the Faculty late in the fall of 1961. By the end of the academic year 1961-62 their work should be completed. This Committee is examining the changing role of the Administrator, new Courses that will be needed, Faculty development, future enrollments and related problems.

Our teaching group recognizes that one of our final duties to a student is to give him assistance in being placed in a proper job environment. Consequently, we were pleased to be able to receive 177 executives from 156 Canadian and American companies. These executives held about 1,700 personal interviews with 132 graduating students. While we do not place great stress on starting salaries, it is interesting to note that these did advance slightly over 1960. In our Placement Program the students averaged eight interviews, and at their own expense and responsibility, did considerable off-campus job-seeking. We were pleased to note that on the average, a student spent fifty dollars in carrying out his part of the Placement Program. This often called for a journey to a distant city.

The 14th Management Training Course was again held in two sections. Great satisfaction was expressed with Medway Hall, and for the first time, all meals were held at this location. We were again fortunate to have some senior professors from Harvard on the teaching staff. While, basically, the academic program did not change, there was somewhat more emphasis on Business Policy. For the first time, a vigorous physical fitness



programme was made available to the men during their recreation hours. The class was visited by a number of sponsoring executives, also, experts on Management Development came from the United States and Sweden. We were most pleased to receive from Stanford University their executive in charge of planning similar programmes. The class was made up of every kind of administrative activity in Canada as well as abroad. This gives the Marketing executives an opportunity, in relaxed atmosphere, to get to understand better the Controller, the General Manager or the Personnel Department. Approximately 400 Management people and their families came for the final day as guests of the University.

The Ninth Annual Marketing Management Course had a record enrollment of 89 executives from Saskatchewan, Manitoba, Ontario, Quebec, New Brunswick and Pennsylvania. A backlog of applications made necessary the moving of the Course to the larger capacity of Medway Hall. The teaching assignments on this Executive Course were handled entirely by Western Professors. At the conclusion of the Course, the class once again expressed its interest in Western by making a handsome contribution to our Grant-in-Aid Fund.

During a period in early May, the third Seminar was held for the Young Presidents' Organization. It was entitled, "Administration - the Key to Organizational Effectiveness." The Seminar was attended by eighteen members of whom eight came from various parts of the United States. The Seminar which was held at Medway Hall consisted of eight class sessions under the leadership of Professors Thompson, Wettlaufer and Lundberg. The discussions centred upon the various problems encountered in building and maintaining a management team. The administrative details were handled by Mr. Michiel Leenders. We have reason to hope that this Seminar was a success because of the fact that this group is already interested in future work with us.

In the Spring of 1961, on relatively short notice, the School of Business Administration organized and staffed a 12-week middle management course in Administration for a group of Pakistani and Indian businessmen. This group was supported by the External Aid Office of the Canadian Government, and as such represented part of Canada's Colombo Plan contribution. The



students spent two months working in various administrative jobs in Canadian industry before coming to the Business School for the formal part of their programme. Although this type of extra programme strains the resources of the Faculty, the course was entirely staffed by members of the Business School Faculty. This was the first programme that the Business School has put on for a specific group of foreign students, but because of its success, it is hoped that it will not be the last.

The Canadian Industrial Management Association now has a London Chapter. This seemed an ideal vehicle by which we could serve a group of junior business personnel through an evening course. Under the C.I.M.A. programme the work offered to students takes a total of four years and is spread over a pattern of weeks during the fall and winter of each year. Thus, phase one was given last year and its sessions were taught by Mr. Robert Waugh. The Association felt that the reception of this Course was such that, in addition to phase two being taught in 1961-62, the opening group of lectures should be repeated.

Last year through the medium of the President's Report we gave notice to the effect that our Advisory Committee and the Board of Governors had approved the setting up of a joint relationship between the Stanford Research Institute and the School of Business Administration. During the year concluded on June 30th, we have seen the start of this work, and with many valuable leads on hand we are certain that this alliance will not only be of use to Canadian business but will give valuable contacts for professors in practically every Faculty of Western if they so desire. Additionally, from this effort we hope to augment our research funds.

The Fifth Annual Business Conference took place on our campus on May 26th and 27th, 1961. It is a pleasure to be able to report that the registration of the Conference was at a new high of 200 persons. Representatives were here from all programmes conducted by the School, together with other alumni and friends of the University. The theme for the Conference was "Managing Your Business in a Changing World Economy." Subsidiary questions examined during the Conference were:



"Are Canadian Businessmen Adequately Prepared for the Coming Changes in the World Economy?"

"The Impact of European Trading Blocs upon Canadian Exports."

"The Moral & Social Responsibilities of the Businessman in an International World"

"Marketing in Canada by an International Concern"

"Canadian Trade - Where do we go from here?"

The Conference consisted of speeches, panel discussions and case histories. The speakers included men of both business and academic stature. Those who contributed were the Honourable I.C. Rand, Dr. G. L. Reuber, Messrs. B. G. Barrow, Leslie Brown, V. L. Chapin, M.G. Clark, George DeYoung, E.E. Gale, John C. Lockwood, F. L. Rogers, A.R.J. Smith, and Moorhead Wright. The Business School was represented by leading case discussions under Messrs. Taylor, Nicholson, Thain, and Johnston. The planning and co-ordination of the Conference was carried out by a Committee of Alumni and Faculty. Mr. Warren Reynolds of MMC '55 was Chairman of the total Committee and Professor John T. Nicholson acted as Head of the Programme Committee.

The Business Quarterly which has been published on this campus for more than twenty-five years had its most successful year. In 1954 paid circulation was less than 600, whereas at June 30, 1961 it was in excess of 4000. This meant that we could attract a much better class of article and that we could apply for certification from the Audit Bureau of Circulation. This, in turn, greatly assists in attracting the best class of advertiser. While we still have many problems on the Quarterly, we can at last say that we are unique in the field in Canada. During the year, for the first time, a full-time editorial assistant was hired and greatly contributed to the efforts of the editor and his board.

Much case writing went on during the academic year just concluded. As a result of one study prepared for the Long-Range Planning Committee, it would appear that we are generating about



100 cases per year. Not only are these used at Western but they are made freely available to other Canadian universities and to industry. They are also listed in the Intercollegiate Bibliography and are used elsewhere throughout North America. During the past summer, major case writing effort went into the revision of our book entitled, "Introduction to Canadian Business Administration." Other cases were contributed in the field of human relations and business policy.

From time to time a professor, freed of teaching assignments, devotes himself to project research. This year it was the turn of Dr. R. K. Ready who undertook, with the help of Mr. Mikalachki and Mr. Weber, a major piece of research in the field of human relations. This concerned itself with two questions: first, field investigations into findings on social organizations and their influences on experiences as a teacher; second, a study of a management group in industry. At the end of June a manuscript consisting of five completed chapters was in hand. Eventually, this will be expanded to ten chapters and we hope to have a publication which, in all probability, will be entitled "Human Relations Training in and out of Context". It is expected that a complete report on this effort will be ready by the end of the 1962 academic year.

With funds provided by industry we were able to partially support six candidates who were working towards their terminal degree in Business Administration. These men have all had some teaching experience and with further study we feel certain that they will add greatly to the stature of our Faculty. In the area of education, while preparing a report for an Advisory Committee it was interesting to note that over the last five years 37 persons have been sent out to other universities as either teachers or administrators.

This report would not be complete if I did not mention the fact that our Faculty was co-operating with a large number of outside groups in training seminars for executives. For example, again we were active on the programme of the Canadian National Railways and the Canadian Council of Foreman's Clubs. Our Marketing Professors co-operated



with the Canadian Association of Advertising Agencies who wished to raise the administration level of their executives. Some assistance was given to the R.C.A.F. in developing their Staff College. Several Chambers of Commerce appealed to us for teaching help and this was extended.

With the coming of Ph.D. programme the Faculty development has had increasing attention. The Board of Governors approved additions to our Faculty in naming Professor W. J. McDougall a full Professor and Mr. C. Kennedy May as an Assistant Professor. Mr. John Kennedy and Mr. John Humphrey joined the Faculty as Instructors. Promotions were given to Dr. Ladd, Colonel Rowland, C. B. Johnston and W. L. Weber. Mr. Michiel Leenders was granted a leave of absence by the Board of Governors to join the Harvard Doctoral programme after having served the School very capably in the role of Lecturer.

The Advisory Committee came to our campus in early November and a number of them participated in class sessions, visited with the students and talked with the Professors. An additional meeting with this Committee was held in May at which time we reviewed the problems and progress we faced. In June the Board of Governors were pleased to name a number of new members to this Committee. These are as follows: Mr. Paul Bienvenu, President of Catelli Food Products Ltd.; Lt.Col. G. Allan Burton, Vice-President Simpsons Ltd.; Mr. George De Young, President, Atlas Steels Limited; Mr. J. H. Moore, President, John Labatt Limited; Mr. John H. Stevens, President, Emco Limited; and Mr. R. B. Taylor, Vice-President, the Steel Company of Canada and a former member of the Faculty of the School of Business Administration. The Advisory Committee has been of great assistance to the Dean and Faculty both in our day-to-day and long-range problems.

During the course of the year we were brought into contact with many parts of the University. At all times we received consideration and co-operation and for this we wish to extend our sincere thanks.



HURON COLLEGE

Report of the Vice-Principal

J. Grant Morden

On November 15th, 1960, Principal W. R. Coleman was elected to the See of Kootenay, and he was consecrated on the Feast of the Epiphany (January 6th). Dr. Coleman, who is one of the Anglican Communion's outstanding scholars, was a Principal much loved by both faculty and students. However, the loss of Principal Coleman to Huron College was offset by the appointment of the Rt. Rev. William Townshend as Acting Principal from January 1st to June 1st, 1961. Huron College is deeply grateful for the service and leadership rendered by both her former Principal and Acting Principal. We are happy to report that Bishop Townshend will continue to act as the Chairman of the Executive Board of Huron College.

On June 1st, 1961, the Executive Board appointed the Rev. J. Grant Morden, D.Th., (previously Registrar and Administrative Assistant to the Acting Principal) to the position of Vice-Principal and bestowed on him the full powers of the Principal. At the same time the Rev. John Gordon Rowe, Ph.D., was named Dean of Arts, and the Rev. William S. Morris, Ph.D., was named Dean of Theology, positions that they had been carrying on an acting basis since January 1st, 1961.

Registration of Students

Faculty of Arts

Faculty of Theology

	<u>1960-61</u>	<u>1959-60</u>		<u>1960-61</u>	<u>1959-60</u>
Preliminary Year	29	32	First Year	10	15
First Year	226	171	Second Year	12	10
Second Year	122	91	Third Year	10	9
Third Year	71	60	Occasional	2	3
Fourth Year	2	7		<u>34</u>	<u>37</u>
Occasional	0	12			
	<u>450</u>	<u>373</u>			



The academic year 1960-61 draws to a close an era of rapid expansion in student enrollment for Huron College. To maintain its character as a small residential Liberal Arts College for men and women the Executive Board have, in consultation with the Faculty, agreed to limit the registration in the Faculty of Arts and to build additional residence accommodation for women. These basic decisions will have a far reaching effect on the development of the Arts Faculty as the emphasis turns from quantity to quality. Adjustments in entrance requirements, in faculty-student ratio, and in other factors will, we hope, soon have Huron College known and famous for its quality of graduates, and sustain the justifiable pride of the Alumni of the College in its achievements.

#### Faculty Changes in the Academic Year 1960-61

##### Resignations

William Adamson, M.A. (Queen's), Instructor in Mathematics

The Rev. Canon William Robert Coleman, M.A. (Toronto),  
B.D. (Wycliffe), S.T.M. (U.T.S.), D.D. (Wycliffe),  
Principal and Dean of Divinity

Alexander Blair Gray, B.Sc. (Queen's), Instructor in  
Mathematics

The Rev. Roland Kenneth Harrison, B.D., M.Th., Ph.D.,  
(London), Hellmuth Professor of Old Testament, and  
Professor of Hebrew

The Rev. Frank Peake, M.A., B.D. (C.D.S.P.), Instructor  
in Pastoral Theology

The Rev. Morley Pinkney, B.A., S.T.M. (G.T.S.), Instructor  
in Pastoral Theology

David George Taylor, M.A. (Toronto), Lecturer in English

##### Appointments

The Rev. Robert Harold Beatty, B.A. (U.W.O.), M.A. (Oxon),



B.D. (Trinity), Visiting Lecturer in Old Testament and  
in Hebrew

William F. Blissett, B.A. (U.B.C.), M.A., Ph.D.  
(Toronto), Professor and Head of English Department

The Ven. Kenneth C. Bolton, B.A. (University of Manitoba),  
L.Th. (St. John's College, Winnipeg), B.D. (U.W.O.),  
Assistant Professor of Pastoral Theology and Chaplain to  
the Arts students

The Rev. Stuart H. Brownlee, B.A. (U.W.O.), L.Th. (Huron),  
College Commissioner and Alumni Officer

Frederick W. Burd, M.A. (Toronto), Assistant Professor of  
Psychology

John H. G. Crispo, B. Comm. (Toronto), Ph.D., (M.I.T.),  
Assistant Professor of Economics and Political Science

Kenneth Turnbull, B.A. (U.W.O.), Part-time instructor in  
Latin

Degrees Awarded by Huron College (Faculty of Theology)

Honorary Degrees in Theology

Degree of Doctor of Divinity (jure dignitatis) -

The Very Reverend W. Sewell, B.A., L.Th.

Degree of Doctor of Divinity (honoris causa) -

The Rt. Rev. W. R. Coleman, M.A., S.T.M., D.D., F.R.S.A.

The Rev. Walter Jones

The Rev. T. Maxwell B. Parker, M.A., B.D.

The Venerable Carmen J. Queen, B.A., L.Th.

The Rev. Canon A. Brant Thomas, B.A., B.D.

The Rev. Paul J. Tillich, Ph.D.



Graduating Class in Theology

Degree of Bachelor of Theology -

Walter Cameron Graham Barnes, B.A.  
Charles Sidney Black, B.A.  
Dennis Ernest Ewald, B.A.  
Ray Kelvin Farrell, B.A.  
Frank James Haynes, B.A.  
Robert Wilfred Snelling, B.A.

Title of Licentiate of Theology -

Arthur George Brewer, B.A.  
William John Ellam, B.A.

The C. Cameron Waller Theological Centre

On Thursday, March 2nd, 1961, The Rt. Rev. G. N. Luxton, Bishop of Huron, opened and dedicated the new C. Cameron Waller Theological Centre which is located on the third floor of the Wright Building. The Centre is designed as a common-room and meeting place for the members of the Theological Faculties (teaching staff and students) of both Huron College and Seager Hall. The Bishop Hallam Theological Society will hold its meetings in the new Centre.

The Theological Alumni Association, 1960

The meetings of the Alumni Association were held from September 12th to 14th. The main addresses were delivered by Canon W. H. Waddams, M.A., Rector of Manotick in the Diocese of Ottawa, on the subject: Anglicans and Christian Unity. Dr. J. W. F. Costerton, a Fellow in the Department of Bacteriology and Immunology of the University of Western Ontario, gave the address at the Annual Banquet. Dr. J. G. Rowe addressed the closing luncheon.



### The Silcox Memorial Library

In the twelve months ending June 1st, 1961, Huron College Library accessioned 6,089 volumes (books, pamphlets, bound periodicals and microfilms). The Huron College collection now stands at 26,000 volumes compared to about 10,000 four years ago.

### Student Activities

Drama, Debates, Student and Faculty Colloquiums, Jazz Sessions, Bull Sessions, Ice Sculpture and Athletics marked the student life of 1960-61.

During the year the students published the regular editions of the Huron Times and Quarto. They also published Heritage, the first edition of a student year book for Huron College.

### Appointment of a Registrar

Huron College is happy to report the appointment of Miss Catharine Ridley as Registrar. Miss Ridley is well known to all the University community through her many years of service under Miss Helen M. B. Allison in the Registrar's Office of the University.

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In conclusion the authorities of Huron College wish to express their appreciation to the President and the Vice-President for their help and guidance in the drafting of the new proposed Affiliation Agreements, and for the many occasions during the past year on which they have honoured Huron College by attending our academic and social functions.



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

Of the 72 students who wrote the University examinations, 12 attained the distinction of appearing on the Dean's Honour List.

The Librarian reports that about four-fifths of our books have now been transferred to the Library of Congress system of classification. The work should be completed in two more years. During the year several important acquisitions were made. The great collection of Mansi, recording all the Ecumenical Councils of the Church, has been obtained on microcard. Other items were the St. Maur edition of St. Augustine, the Grenoble edition of St. John Chrysostom, and the complete works of de la Colombiere.

Among distinguished lecturers who visited the College during the year was Dom F. J. Landzaat, O.S.B., Vatican archaeologist, who described the present condition of the famous excavations under St. Peter's Basilica.

Several Study Days were held under the auspices of the Student Council. The most significant of these, on Alcoholism, obtained the active support of the Ontario Alcoholic Research Foundation and brought Dr. E. M. Jellinek as special speaker.

Rev. M. A. Gervais, B.A., S.T.L., is completing his studies at the Ecole Biblique in Jerusalem. He will return to the College and take up a teaching post in November.

Rev. P. J. Cavanagh, B.A., Ph.L., is also expected to join the staff in September after spending the last two years in the post-graduate School of Philosophy at Notre Dame.



The College of Christ the King

The academic year 1960-61 opened with 211 full-time registered students and closed with 204, of whom 106 passed all examinations in May, that is 52.2%. This percentage was the best in the history of the College. The names of 10 students appeared on the Dean's Honour List and Mr. John Meagher of Oshawa won the Governor-General's Medal for Proficiency in the General Course. Of the 19 students registered at University College and residing at the College, 3 made the Dean's Honour List.

Three new teachers were appointed to the staff: Mr. Emile Primorac, M.Comm., for Economics and Business; Mr. John J. Snyder, M.A., for Philosophy, and Mr. Thomas J. Collins, B.A., for English (part-time). Besides teaching one section of English 20 Mr. Collins obtained his M.A. in English at the Spring Convocation of the University of Western Ontario. He was the recipient of a Canada Council Scholarship Grant.

Rev. P. E. Crunican, M.A., was granted a year's leave of absence in order to write his thesis for the Ph.D. in History at the University of Toronto. Mr. Alton Craig, M.B.A., was encouraged to register at the School of Industrial Relations, Cornell University, for work towards a Ph.D., by special College of Christ the King Scholarship. Mr. Fritz Weiden, M.A., received a Canada Council Scholarship for his final year of work towards a Ph.D., in Germanic Languages at the University of Toronto. Mr. John Mulder, M.A., completed his work at the University of Michigan towards a Ph.D., in English Literature, with the exception of the thesis.

Five students from outside Canada received free board and room plus free tuition during the year. Japan, Bolivia, Hong Kong, Kenya, and Hungary were represented by one student each. Thus \$5000 was contributed to the education of non-Canadian students.

The cultural side of life was not neglected during the year. Mr. Greene, Director of Art Lectures, arranged for a series of lectures under the title, "Masterworks and Their Masters". They were delivered in this order:



- January 10, 1961 "The Medici Chapel by Michelangelo".  
Dr. Sherman E. Lee, Director, The  
Cleveland Museum of Art.
- January 17, 1961. "The Tribute Money by Masaccio".  
Dr. Marvin Eisenberg, Acting Chairman,  
Department of the History of Art,  
University of Michigan.
- January 24, 1961 "The Last Supper by Leonardo".  
Dr. Wolfgang Stechow, Professor,  
Department of Fine Arts, Oberlin  
College.
- January 31, 1961 "Descent from the Cross by Rubens".  
Mr. Henry Sayles Francis, Curator of  
Paintings and Prints, The Cleveland  
Museum of Art.
- February 7, 1961 "Surrender of Breda (The Lances) by  
Velasquez". Dr. Peter Brieger,  
Professor and Head, The Department  
of Art and Architecture, University of  
Toronto.
- February 14, 1961 "Mont Sainte-Victoire by Cezanne".  
Miss Ellen Johnson, Associate Professor,  
Department of Fine Arts, Oberlin College.
- February 21, 1961 "The Artist in his Studio by Vermeer".  
Mr. Edward B. Henning, Assistant to  
the Director, The Cleveland Museum of  
Art.
- February 28, 1961 "Portrait of the Painter by Rembrandt".  
(Frick Collection). Dr. James R.  
Johnson, Associate Curator of Education,  
The Cleveland Museum of Art.



## URSULINE COLLEGE OF ARTS

### Report of the Dean - Mother Marie

By the end of the academic year 1960-61 there were 145 full-time students registered at Ursuline College, an increase of about 27 per cent over the preceding year.

Eight students figured on the Dean's Honour List.

Slightly more than one-third of all the students who passed all their examinations in the spring obtained a B average or better.

The percentage of those who failed to pass their year remained what it had been in previous years: approximately one-third of the students in the Preliminary Year and of the First Year Arts students who were admitted with conditions would have to repeat their year. Ursuline College does not re-admit such students.

At date of writing the College is gratified to see a notable increase in the number of students who are re-registering: 96 per cent of acceptable students who were in residence last year are returning, as compared with the usual 66 per cent of previous years. At this date, there is no way of checking the number of day students who intend to re-register.

A total of 55 students registered in the two summer school courses offered by the College in 1961, Philosophy 30x and Sociology 40 (for Sisters only).

The residential facilities of the College were fully utilized in the summer of 1961 by summer school students registered in courses at the College and at the University.

Patricia Stockdale (Mrs. W. H.) B.A., was the only new instructor to join the faculty in 1960-61. She was in charge of the History 14 course in the Preliminary Year.

Mother M. Corona, M.A., of the Department of English was awarded a pre-doctoral fellowship for the second



time by the Canada Council to enable her to complete her studies at the University of Notre Dame in 1961-62.

The College sponsored five public lectures given at Brescia Hall, some of them under the joint auspices of the Brescia - Christ the King Lecture League:

- Professor Alfred Rose - "Folk Song and Symphony: their Common Aim to Reach the Masses"
- Dr. Philip Stratford - "Graham Greene"
- Rev. Anthony Durand - "What is Mathematical Physics?" or "Can Thinking Machines Think?"
- Dr. Joseph Cooney - "Teen-age Troubles"
- Sir Hugh Taylor - "Science and Religion - Towards Unity"

Dr. Taylor is National Director of the Woodrow Wilson Scholarship Foundation, and his lecture was the annual Aquinas Lecture.

A stimulating panel discussion on "The Commonwealth" was held under the joint chairmanship of Dr. J. Farrell of the Department of History at Christ the King College and Dr. Robert Kelson of the Department of Economic and Political Science of Middlesex College.

Mother St. Michael, Ph.D., delivered a lecture on "The Existential Analyst and the Human Condition" at the Annual Convention of the American Catholic Philosophical Association held in Buffalo on April 5th, 1961. This lecture was accepted for publication by New Scholasticism.

Mother St. Michael also delivered a paper on "Leo XIII and the Anniversary of RERUM NOVARUM" at the Catholic Women's League Convention held in Chatham in May, 1961.

Members of the Faculty from the Department of Home Economics and Sociology contributed some talks to a series of



lectures on "Christian Family Living" under the auspices of the Association for Adult Education in Chatham, Ontario.

In December 1960 the Christ the King - Brescia Drama League presented Christopher Fry's "The Lady's not for Burning" in the London Teachers' College theatre. This was also their entry in the Intercollegiate Drama Festival held in London in February 1961. Although their play did not receive the award, critics agreed that they gave an excellent performance and Faculty and students felt that those taking part had gained a great deal from the experience.

In sports Brescia girls won first place in Intramural Basketball and Volleyball, and individual students were winners in swimming and other contests.

In the summer of 1961 the Ursuline Religious of the Diocese of London purchased the home and estate of Mr. George Gunn on Gunn Lane and Ramsey Road. The home will provide additional sleeping quarters for about thirteen students.

The College is contemplating an expansion program which it hopes to carry through in the next few years:

- (1) The erection of a classroom building, including a language laboratory, and of an assembly hall. It is expected that construction of these units will be under way by the spring of 1962 and that the buildings will be ready for occupancy for the opening of classes in September 1962.
- (2) A new library.
- (3) A second residence accommodating some one hundred students.



## COLLEGE OF MUSIC

### Report of the Principal - Clifford von Kuster

The 1960-61 academic year brought many new developments including an official change of name from "Music Teachers' College" to "College of Music". This change was effected because it was felt the word "Teachers" tended to limit the scope of the College.

The Music Education Course launched last year was extended into a four-year honours program - the first honours program in Music to be offered here.

The new Music 20y listener's course, given by Mr. John Cook, on campus was enthusiastically received with some 20 Arts students registering.

Increased enrollment in all music courses this season points to the need for long range planning to accommodate the larger classes we must expect in coming seasons.

College of Music faculty members continued to be active contributors to the musical life of the community as well as that of the University.

Miss Kathleen Parlow, Head of the String Department, presented another distinguished series of violin lecture-recitals at the College on Tuesday mornings. Attendance at these was increased three-fold over last season. Miss Parlow also gave a Sonata recital for the London Chamber Music Society in January.

Mr. John Cook, Head of the Theory and Organ Departments, wrote incidental music for the Stratford production of Shakespeare's "Love's Labour's Lost".

Mr. Alfred Rosé, Head of the Vocal and Music History Departments, spoke to the Ontario Council for Exceptional Children at its October meeting. His subject was "Promoting Healthy Emotional Development with Music". This address was



later published in its Quarterly Bulletin "Special Education".

The Sunday Nine O'clock Committee again sponsored the Concerto Concert in Thames Hall which presented students of the College of Music performing with an orchestra directed by Mr. John Cook, assisted by Mr. Alfred Rosé.

Two College students were presented in recital in the A. E. Silverwood Building in April and several students were winners in various district music festivals. Two graduates, Miss Susan Soanes and Miss Antonia Mazan, were awarded Canada Council grants to continue their studies abroad.



## SUMMER SCHOOL

AND

## EXTENSION DEPARTMENT

Report of the Director - S. F. Maine

A recent discussion of the functions of a university lists them as research, teaching, and service. The Summer School and Extension Department of this University has not involved itself in the first of these functions but during the year 1960-61 has been active in the remaining two. In the Summer School of 1960 1,462 credit students were registered; 1,122 were registered in the 57 extension classes established in 17 centres throughout southwestern and northern Ontario and 539 were enrolled in the Correspondence Division, making a total of 3,123. After the elimination of 795 duplicates, the net registration was 2,328 credit students, numerically the largest single unit in the University. Since its organization more than 1,700 students who have done some or all of their undergraduate work in the Department, have received their degrees.

Among the credit students were approximately two hundred graduates who sought to up-grade their courses and qualify for type "A" teaching certificates.

While credit work may be considered the major function of the Department, numerous services have been rendered through other types of educational activities.

Many non-credit students register in credit classes in both the Extension Department and the Summer School and thus have access to serious and well-organized study programmes.

### In-Service Training Course in Recreation

Approximating in importance the university credit courses are those prepared for the training of Recreation Directors. This is a three year certificate programme for the accrediting of municipal recreation directors for the Province of Ontario. In each of the three years there are five or six courses taken by correspondence.



There are also two five-day institutes per year, one for the first and second year students and one for the third year or senior directors. A rigorous five day programme in each case develops both practical and theoretical skill and insight. The fact that there are many applicants for admission from outside the Province and from the armed services, attests to the excellence of the course. There were 143 registrations.

In addition to the credit and certificate work noted above, many classes were organized for those not seeking degrees.

#### Industrial and Cost Accountants

Three classes, Accounting I, Accounting II, and Industrial Legislation were offered in London in conjunction with the Society of Industrial and Cost Accountants of Ontario. The standards set by the Society are high and these offerings meet needs that are not met except by this cooperative effort of the Extension Department and the Society.

#### Course for Superintendents and Foremen

An interesting and successful venture was a series of seven lectures, demonstrations and discussions for superintendents and foremen, in the field of general contracting. The series was sponsored by the Extension Department and the Ontario General Contractors Association. Many firms as well as individuals were represented and the attendance approximated two hundred persons per session. The Faculty of Engineering, a number of the leading construction and engineering firms in the Province and individual architects and engineers contributed their services.

#### Engineering Courses

A second innovation during the year was a programme developed in conjunction with the Faculty of Engineering Science for persons qualifying as Professional Engineers. Two courses, one in Electrical Engineering and the other in Advanced Machine Design were given. The teaching staff was drawn from the Faculty of Engineering Science. Though the registration was small the courses met an obvious need.



### Labour Institute

The annual Labour Institute was held May 5, 6, and 7. Eight lecture and discussion groups dealing with such subjects as Stewards' Training, Labour and Welfare Services, Collective Bargaining etc., etc. were presented. Attendance was well over one hundred. The Institute at Western is the oldest in Ontario sponsored by a university and the Canadian Labour Congress.

### Real Estate Appraisal

A twenty-lecture course on Real Estate Appraisal (Part I) was offered from mid October to late March. Forty-two persons were registered most of whom wrote the examinations of the Appraisal Institute of Canada. Instructors were drawn from the University staff and from among real estate experts in the city.

### Investment Course

An elementary course in investments was again offered in cooperation with the Investment Dealers' Association of Canada. 794 persons were registered from Canada, the United States, South America, the West Indies and several European countries.

### School of Religion

The thirteenth School of Religion was held June 19 to 23, with an attendance of approximately 75. Dr. H. L. Slater, Professor of World Religions at Harvard gave a series of ten lectures on The Religious World To-day; East and West. Dr. Lawrence E. Toombs of Drew University delivered ten lectures on Frontiers in Old Testament Study.

The School maintained the high standards of scholarship, interest and practicability of previous years, and is one of the outstanding schools of the kind in the country.



Stratford Workers' Educational Association

The Stratford Workers' Educational Association exhibited a new vigor and two lively series of lectures and discussions on current events were arranged, one for the fall term and the other extending from mid-January to late March. Various staff members participated.

A significant development in the Department has been the greatly increased emphasis placed on the counselling of students with reference to their educational programme. This has always been a function of the Department but with the difficulty experienced by students in understanding calendar requirements re majors and minors, the proper choice of subjects from Divisions etc., etc., such counselling, though time-consuming is highly important.

Staff members from the Department have filled many speaking engagements, supplied lecturers for various groups, have spoken at High School commencements, Teachers' Colleges, etc., and in numerous ways have contributed to the educational and service functions of the University.



## TROIS-PISTOLES SUMMER SCHOOL

Report of the Director - T. J. Casaubon

The enrolment for the summer of 1960 showed seventy-eight registered for French, forty-six for English and nineteen for Painting. Once again Mr. Louis Belzile presented an Art Appreciation course in which forty students were registered.

The academic programme met with a great deal of success. The students were asked to keep an academic record of their work under the different headings of: vocabulary and expressions, compositions, phonetics, written exercises etc. This work book was examined at regular intervals by the instructors and counted as part of the term mark. During the singing period each day, two students, selected in advance, gave a short speech in the second language. For a large number of our students, this provided the opportunity for at least two oral speeches in the course of the summer.

A new course in methodology for the teaching of oral French in English-speaking primary schools was offered in the afternoon. Twenty-eight teachers attended this course. A small demonstration class of eight English-speaking children provided ample opportunity for practice teaching. Mr. Raymond Duplantie conducted the course. Those who took this course and the large number of visitors who observed it expressed the opinion that this course was the answer to a need and termed it a real success.

As the result of a discussion between Dr. R. W. Torrens, Mr. C. Paradis and Mr. A. Ferland, an attempt was made in the academic prescription of sections A & B to meet the needs of French 381 of the University of Western Ontario. The students working for credits are given the equivalent of three credits in French 381 (grammar, phonetics and conversation).

Conversation groups, group discussions and guest speakers were organized and arranged by Mr. C. Paradis and Mr. W. Parisien. Both methodology classes and conversation classes were held in the afternoon.



An active recreational programme was arranged by Mr. C. Theodore, Mr. G. Robert and Mr. W. Burns. The main activities consisted of bowling, volleyball, tennis, swimming and softball.

Mr. A. Ferland and Mr. J. Nix organized and directed the student choir. The choir practiced three nights a week and climaxed their activities with a half hour recital at the radio station CJFP, Rivière-du-Loup, and an academic night as part of the closing ceremony of our School.

The Trois-Pistoles School Board have arranged for an office for the Director at the School and a Staff Conference room. This permits a closer supervision of the students and greatly facilitates the coordination of courses.

The Trois-Pistoles Chamber of Commerce, in cooperation with the Municipal Council, have installed large signs at either end of the town and in front of the school, advertising the University of Western Ontario and the different courses offered at Trois-Pistoles.

The summer was climaxed by a demonstration of one of our courses at the ACELF held in Rimouski and attended by approximately 1000 delegates.

We regret the loss of two members of our Senior Advisory Committee, Mr. J. B. Deschênes and Mr. Chs.-Edouard Roy.

. . . . .

I would like to express my gratitude and thanks to Dr. H. E. Jenkin for the assistance and advice he has given me.

My work has been greatly facilitated by the fact that I took over a well organized and efficiently run School. Dr. H. E. Jenkin was most cooperative and solicitous about my problems and needs.

My work as a novice director was also greatly enhanced due to the kind assistance of Dr. G. E. Hall and Dr. A. B. Conron.

To all of these men, I wish to express my most sincere appreciation.



## THE UNIVERSITY LIBRARIES

Report of the Chief Librarian - J. J. Talman

The year under review saw many significant developments and must be recorded as one which witnessed the greatest physical expansion of libraries on the campus to date. The year saw the opening of the Barbara Ross Spencer Reading Room in Middlesex College, the completion of the new library in the Josephine Spencer Niblett Law Building, the start of the new library for the School of Business Administration, the start of the large addition to the Lawson Memorial Library building, and the completion of the new reading room in the Kresge School of Nursing.

At the same time, the acquisition of material remained at a high level. In October, 1960, Mr. Bruce Carr and Mrs. G. I. Nystrom, heirs of the late J. G. McEachern, of London, presented his superb collection of Canadiana to the General Library, in memory of their brother Mr. Thomas E. Carr, a Western graduate in English and History, in 1935. This material has not yet been catalogued, pending the extension of the treasure room. Consequently, the total number of volumes in the gift cannot be given. However, a conservative estimate would suggest that probably 8,000 items were included. The total is not the significant feature but rather the number of almost unobtainable pieces of Canadiana in the collection, which will greatly augment the rare Canadian material already in the Library.

Regular acquisitions in all faculties maintained the previous year's high figure. Volumes added totalled 14,490. This total is apparently 2,927 lower than that for 1959-60. However, the earlier record included approximately 3,000 volumes added to set up the Medway Hall and Middlesex College reading rooms, all of which were duplicate and therefore added nothing to the total resources of knowledge on the campus.



Circulation

	<u>General Library*</u>	<u>Medical Library</u>
1958-59	105,853	11,389
1959-60	114,667	11,491
1960-61	98,233	12,558

The sharp drop in circulation in the General Library to approximately that for 1957-58 should cause concern if there were not several explanations. As was shown last year it is well-nigh impossible to get a meaningful figure for books consulted from shelves and returned or left on tables. The great increase in open-access reading rooms has accentuated this factor. In addition, the provision of duplicate copies permitted longer loan periods with a consequent drop in the number of repeated borrowings. Finally, the development of the practice of building courses around good but inexpensive paper-backs has reduced, to a certain extent, students' dependence on the resources of the Library.

Interlibrary Loans

General Library

	<u>Outgoing</u>	<u>Incoming</u>
1958-59	447	448
1959-60	361	728
1960-61	396	793

Medical Library

	<u>Outgoing</u>	<u>Incoming</u>
1958-59	694	384
1959-60	906	331
1960-61	723	345

\* Including Business, Engineering, Law and special reading rooms.



### Regional History Collection

The General Library continued publication of the Western Ontario Historical Notes and Western Ontario History Nuggets, under the editorship of Dr. John McLaughlin. The purchase of an A. B. Dick offset printing machine enabled the Library greatly to improve the format of these publications.

The collections were used more than ever by graduate students. For example, Mr. Hugh Stevenson, a Western University graduate student, completed a Master's thesis on Dr. James Coyne, using the recently acquired Coyne Papers. Mr. G. E. Briggs, of McMaster University, spent some time going through the Mills Papers. Miss Firth of the Toronto Public Library checked the Proudfoot Papers. Thanks to a special appropriation it was possible to employ student help to begin sorting the Middlesex and Huron County Court House material acquired in the 1930's and largely untouched from that time. Much material of historical value was brought to light.

The largest accession of the year, and indeed for several years, was the gift by Mr. Charles Fairbank of family papers and books going back to the mid-nineteenth century in Petrolia. The Fairbank family have been leaders in the oil industry, banking and business in Petrolia and active in political circles for several generations. The records should provide an invaluable source for the political and economic history of Western Ontario.

### Other Activities

The pressure on cataloguing, caused by the great increase of accessions, necessitated major changes in the cataloguing practices of the General Library. In order to reduce the interminable checking of catalogue cards an A. B. Dick offset printing machine and an I.B.M. Executive typewriter, for the typing of offset masters, were purchased. The equipment has more than proved its worth during the first year. The Library of Congress card service is slow



and incomplete and now more and more librarians are being thrown on their own resources for the production of catalogue cards. The total of cards per volume has also risen with the setting up of catalogues in all reading rooms. An additional card for each volume is also sent to the bibliographical centre of the National Library.

#### Staff Activities

Miss Bishop and Miss Sanderson attended the annual meeting of the Canadian Library Association in St. Andrews, N. B. and the Ontario Library Association meeting in Hamilton. Dr. John McLaughlin attended the annual meetings of the Canadian Historical Association in Montreal and of the Society for French Historical Studies in Princeton. Dr. J. J. Talman took part in the Williamsburg Seminar, September 8th to 10th, 1960, on Perspectives of the American Revolutionary Era. Eighteen scholars from Britain, the United States and Canada took part in the Seminar. He also attended the meeting of the Mississippi Valley Historical Association, in Detroit, where he acted as chairman for the meeting of the Lexington Group. He continued as chairman of the Microfilm Committee of the Canadian Library Association.

#### Gifts

In addition to the McEachern collection mentioned above, the General Library received a great many smaller collections and single volumes. Professor Earle Palmer presented an extensive and invaluable collection of books dealing with Southeast Asia.

The Honorable John Robarts, Minister of Education, presented volumes of lasting value, selected by the Library staff, in memory of the late Honorable W. J. Dunlop. Mr. and Mrs. R. A. Treleaven similarly presented volumes in memory of Dr. E. G. Kennedy. These volumes all carry appropriate bookplates.

The University College Council voted \$1,000.00 for the purchase of extra copies of books greatly in demand by



undergraduates. Although in recent years the policy has been to put in extra copies of works, this handsome gift was most welcome.

The Medical Library received over three thousand items from friends of the library, as well as \$150.00 from the London Academy of Medicine and \$200.00 from the College of Physicians and Surgeons. The class of '63 gave \$81.00 for the purchase of books in memory of Ernest Hayhoe, who was killed in an accident in June, 1960.

The Supertest Petroleum Corporation, Limited, made a gift of \$5,000.00 to the School of Business Administration Library, for the purchase of materials necessary for the Ph.D. programme of the School.

Mr. Charles G. Robertson, Q.C., of Preston, presented his entire collection of law books to the Library in the Faculty of Law. The volumes were invaluable in helping build up this rapidly growing collection.

#### Staff Changes

Miss Kate Gillespie retired at the end of the year. No staff member in the history of the Library has served longer or more faithfully. She is so well and favourably known that words are not necessary at this time, even if adequate ones could be found. The inscription on the tray, presented to her by the University, fittingly told of the harmony she created and the loyalty she inspired during her thirty-nine years of service, from 1922 to 1961.

During recent years Miss Gillespie held the post of Assistant Librarian - General. This position has been assumed by Miss Jean Elson.

Miss Shanne Lush, who did yeoman service in setting up the Law Library, felt that she had to accept a post in the Bodleian Library, Oxford, when it was offered. Consequently, her stay in Canada was much briefer than she had anticipated. We were most fortunate in securing Dr. Margaret Banks, of the Department of Public Records and Archives of Ontario, to fill the position.



Miss Janet Cargill, secretary in the Library office, left to marry. Her place has been taken by Miss Gail Duncan.

Dr. Valeria Brizio, Mrs. D. K. Rudy, of the staff of the library of the University of Waterloo, and Miss Carolyn Theakston were appointed to fill new posts created by the Board of Governors. Much of the work of these new appointees is done in the cataloguing and mechanical services offices. Miss Theakston operates the offset printing machine.

The year has been difficult but gratifying. Any achievements have been due to the fine spirit of co-operation which permeates the entire staff and to which I must pay tribute and for which I express my thanks.



MUSEUM OF INDIAN ARCHAEOLOGY  
AND PIONEER LIFE

Report of the Curator - Wilfrid Jury

On the return from the summer's work of 1960 Middlesex College was almost completed and an office provided on the ground floor for the Museum. On the third floor, provision was made for the display of the model Indian Village, the model Pioneer Village, and the gun collection. The removal of all the material from its old quarters in the basement of the library was an arduous task. Office material, the library, laboratory instruments, tables and tools were installed in the new office.

The models of the Indian and Pioneer Villages required considerable cleaning and repair work as they have been, for many years, without protection. This in itself took many tedious hours. Two excellent display cases were prepared on either side of the tower and Mr. Selwyn Dewdney, a well known London artist, was employed to paint appropriate backgrounds in these cases. This he did most successfully, adding much to the interest of the displays. A display case of twenty-two feet was allowed for the gun collection, and it attracts much attention, not only from the student body, but also from collectors from various parts of the country.

In Middlesex Hall, an area of one hundred and twenty square feet provides an excellent setting for the model Indian Village, which is now, for the first time, set up adequately to portray the life of the Indians of this area at the coming of the white man. All these displays are of much more value to the University than ever before, and are continually in the eye of students and visitors.

One of the most satisfactory aspects of the move has been the provision of good storage space on the top floor for archaeological material. A selection of material will be kept on display in the cases near the model Village display and gun display, and in the cases in the entrance hall of the College. The moving furthered the policy of apportioning the pioneer and other museum



materials to the Pioneer Village at Fanshawe and to the Military and Naval Establishments at Penetanguishene.

At the Fanshawe Pioneer Village, a general store, barber shop, gunsmith's shop, and harness shop were built and furnished almost completely from the University's collection. The Rigney Harness Shop donated much of their old equipment when they went out of business. The gunsmith's shop was set up with material collected during the last thirty years. Mr. Thomas Thompson donated a few bullet moulds. A large log barn is being constructed for the storage of carriages and cutters, many of which formerly belonged to the Little family of London. A Presbyterian Church moved from Nairn is also being set in place. The Fanshawe Pioneer Village is growing in interest to the public and was well attended this summer.

May and June were spent as usual refurbishing and adding new features to the Indian Village at Midland and the Military and Naval Establishments, Penetang. During these two months, an average of eight hundred school children per day visited the Indian Village. Twenty minute talks were given to each group by the curator. Four university students acted as guides, and the season was most successful in attendance and in the notices received in newspapers, and on radio and television.

Considerable work was done at the Military and Naval Establishments, Penetanguishene. A fire hall was built and now houses Penetang's first fire reel and the iron fire bell that for many years had hung in the town hall. The stone work of the ash pit was renovated, and a covering was built for the timbers that had been recovered at the time of the raising of "Tecumseh" and until now, had been exposed to the elements.

During former excavations of the Military Establishment, the base of a circular cannon run had been discovered. This year we were able to reconstruct the run and its wings with original stones found in the area. On the original site, the "Officers' Privy" was rebuilt with modern conveniences.

Several changes were made within the Museum. The map-maker's room was opened and outfitted and the commanding officer's room was completely remodelled. We are anxious to



receive material, either furniture or personal effects, of the 1830's and '40's to aid in furnishing further this interesting old building. Here, too, two girls from the University served as guides, and a party of four continued to examine the area of the Naval Establishment.

We were fortunate in having the labour of the Medonte Prison Camp during the first part of June, cleaning brush and doing the heavy labour at the Establishments. A house site was discovered and examined carefully. It is believed to have been that of the clerk in charge of the Naval Establishment in the early 1820's.

The Summer School of Indian Archaeology attracted more students than ever this summer with a class of thirty. We continued to excavate an Indian "longhouse" site at the Forget Site near Wyebridge. The site continues to be of interest in the light it throws on the life of the Indians in pre-contact years.

From time to time during August, our excavating party carried on an examination of the Quesnelle Site. This is a site that answers the geographical description of Carhagouha where Champlain landed and where the first mass was said by Father Le Caron, August 12, 1615. We have established that this site was surrounded by three palisades as was Carhagouha as described by Champlain. An interesting assemblage of pottery and bone material was uncovered.

The month of September was spent at the military depot at Fort Willow, Barrie. This was the vital point in the communication link between York and Michilimacinac during the War of 1812. Throughout the past seasons, we have excavated the site. Further examinations were carried out this year and reconstruction commenced. A plaque was erected on the site on October 4 by the Archaeological and Historical Sites Advisory Board.



## DEPARTMENT OF THE DEAN OF WOMEN

Report of the Dean - Leola E. Neal

### Registration

The total number of women in the constituent University was 994, compared with 868 a year ago and 602 five years ago. This is a 14.5% increase over the previous year. This trend is found in other Canadian universities according to data provided by the Dominion Bureau of Statistics (17.8% increase for women and 10.8% for men).

Most of the women, 765, are full-time undergraduate students in the Faculty of Arts and Science and represent 38.6% of the student population in this Faculty. Of the 765 students, 619 were registered in University College, 146 in the new Middlesex College. For the previous four years the figures for University College were as follows: 498, 528, 608, 658. Registration of women in the College of Music reached the peak figure in 1958-59, namely 26. Only slight increases were reported in the Faculties of Medicine and Graduate Studies but in the School of Nursing the increase was large (148 to 171). There were three women in the Faculty of Law and one in the School of Business Administration.

### Student Activities

The women students have once again played an important role in extra-curricular activities. Their interests are varied and embrace nearly every phase of student life. Of the four U.C.C. Honour Society Awards three were won by women. One woman student received a Merit Award.

The Council of the Undergraduate Women's Organization had a busy year. Council members raised funds for a bursary and a gift for the University. The Co-Ed Ball and the activities planned for the Freshettes were highly successful. A supper party for city freshettes and students not in residence was very well-attended and much enjoyed.



On the whole, the women students had excellent academic records. Of the 48 Ontario Scholars registered at Western, 27 were women. The failure rate is traditionally low for freshettes. The most recent figures provided by the Registrar are 1.93% and 2.19%. A number of women won gold medals at graduation and two students won the prestigious Woodrow Wilson Fellowship for graduate study. It is interesting to note that five of the ten M.A. degree candidates at Spring Convocation were women. No woman received the Ph.D. degree.

There are three greek-letter organizations for women on this campus. The total membership is 148. The sororities are strong, well-organized groups and their members make real contribution to campus life. Their academic averages are always higher than the all-women's average and many of the members show exceptional leadership qualities. Again this year these groups offered a bursary and made a contribution to the Student Welfare Fund.

#### Spencer Hall

This year the number of applications and inquiries about accommodation at Spencer Hall increased from 258 to 349. Thus residence accommodation is urgently needed. This year approximately 82% of the freshettes were from out-of-town and about 75% of them applied for accommodation at Spencer Hall. First year students especially benefit from residence life but this experience enriches the lives of all undergraduates. In the 104 places there were 13 upper class women and 91 freshettes. One upper class woman was a transfer from another university.

There were fewer special groups at Spencer Hall during May, June and early September of this year. However, there were 58 students in residence for the university Summer School session.

The 1960-61 Spencer Hall Council set aside funds for a contribution to the Student Welfare Fund and a painting for the residence. These gifts are gratefully acknowledged.



### 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. This gracious 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

In 1960-61 there were 6,637 students registered in the University. Of these 4,519 or 68% were men. Within the Constituent University there were 3,286 full-time intramural graduate and undergraduate students. Of these 2,315 or 70.46% were men. In the previous year there were 2,904 full-time intramural graduate and undergraduate students of whom 2,037 or 70.1% were men.

### Counselling

With the rapidly increasing number of male students it has been extremely helpful to have an assistant in the person of Mr. Bruce Wells, and to see the appointment of Faculty members as part-time academic counsellors in most of the Colleges and Schools of the University. Where this has been done close liaison with this office has been maintained and many referrals have been made. It is hoped that as the University grows this trend in its organization will continue.

During the year the University Physician and his staff have been most helpful in receiving students who appear to have psychiatric disability, and arranging for them whatever treatment is necessary. In most cases of this kind, the students concerned respond very well to treatment and return later to their studies.

### Student Financial Assistance

Since the end of World War II student financial assistance has grown steadily. Although it has never reached the point of meeting the minimum needs of all the deserving students, it nevertheless has gone a long way towards the goal of equal opportunity for all young people who can benefit from university training. Since 1947, when the Board of Governors established the Student Loans and Bursaries Committee, applications for



this type of assistance for the most part have been centralized through the Office of the Dean of Men in his capacity as Secretary of the Committee.

Student financial assistance is now quite a large function of this office. In 1960-61, the full-time intramural students of the University received \$447,445.00 in the form of bursaries, grants, and loans. This amount, arising from 1,394 awards, is more than ten times the amount provided in 1947 to non-veteran students. Of this amount \$146,854.00 were loans from the Ontario Loan Fund and the University Combined Loan Fund.

### Placement

This was another good year for graduates of this University seeking permanent employment. A total of 122 companies, 28 more than last year, sent representatives to interview graduates in Arts, Science and Engineering. Almost 1,700 student interviews were arranged this year by Mr. Bruce Wells through the Placement Office located in Thames Hall during January, February and March.

In addition to arranging interviews with company representatives, the Placement Office with the help of the Registrar prepared lists of 167 graduating students interested in teaching and distributed these among 200 school districts in the Province of Ontario. During April, facilities were arranged for several high school principals and representatives of school boards to interview selected graduates from the list circulated previously.

Besides the 122 companies which sent representatives to the campus, another 60 sent information about vacancies they wanted to fill and graduates were referred to them by letter.

Summer jobs were again in short supply although the picture improved considerably in early June. Through no fault of their own many students were unable to work for the full summer and many had to take jobs at minimum wages.



### Fraternities

Phi Delta Theta Fraternity established a Colony effective September 1st 1960 with the permission of the Advisory Committee of the Board of Governors and the Interfraternity Council. It now has a large and beautiful chapter house and hopes to qualify for permanent status by September, 1st, 1962.

Delta Upsilon won the prized Northern Life trophy for the highest record of scholarship achieved by any chapter at this University in the May 1960 examinations. Six of its members were on the Dean's Honour List, two won gold medals, one (Tom Hockin) won a special U.W.O. award, and two others won merit awards. The chapter also received from its "National" a trophy for chapter excellence in all respects of fraternity life.

Each of Western's fraternities were represented among the students receiving honours and awards this year but space does not permit listing them all in this report.

Phi Delta Theta's new colony had nineteen active members in its first year of operation. Three of these were on the Dean's Honour List.

In addition to fraternal activities, all chapters participate in community activities such as entertaining orphan children and taking crippled children for drives around the city. The Chapters are to be commended for their contribution to the success of Homecoming Weekend and the Winter Carnival.

In April 1961 the inaugural meeting of the Alumni Interfraternity Council was held. Its function will be to act in an advisory capacity in the Interfraternity Council and the member chapters.

The Dean of Men wishes to thank the Interfraternity Council most sincerely for its great assistance in the administration of fraternity affairs at Western.



Medway Hall

The following were on the staff of Medway Hall in 1960-61:

Acting Warden - W. Cameron Henry, Ph.D.

Assistant to the Warden - Allan T. Olson, M.A.

Dons - Robert T. Kelson, Ph.D.

Donald O. McKay, Ph.D.

Also associated with the residence were nine members of the Faculty carefully selected by the Medway Hall Advisory Committee and designated as Fellows of Medway Hall. These are:

Allison H. Johnson, Ph.D.

Dwight R. Ladd, D.B.A.

Robert G. W. Murray, M.D.C.M.

Ralph W. Nicholls, Ph.D.

Edward G. Pleva, Ph.D.

Ivan C. Rand, LL.D.

Grant L. Reuber, Ph.D.

Harold B. Stewart, M.D.

Robert J. Uffen, Ph.D.

From September 1960 to May 1961 there was no difficulty keeping the residence full at all times. There were 684 formal applications for accommodation from which 180 freshmen, 15 foreign students, and 105 upperclassmen were carefully selected. During the summer of 1961, 12 graduate students, 85 summer school students, and 617 others from various special groups were accommodated in Medway Hall.



## PRESIDENT'S MEDALS

Report of M. H. M. MacKinnon  
Chairman of the Committee

The following are the results of the competition.

### Single Poem

"Keine Lazarovitch" by Irving Layton. (Tamarack Review, Spring, 1960.)

### Committee of Judges

Professor C. F. Klinck, Chairman  
Professor J. Bruce  
Professor R. G. N. Bates

### Short Story

"A Gourdful of Glory" by Margaret Laurence.  
(Tamarack Review, Autumn, 1960.)

### Committee of Judges

Professor P. C. Stratford, Chairman  
Professor J. Bruce  
Professor E. Waterston

### Scholarly Article

"The Social Evolution of Quebec Reconsidered" by  
Hubert Guindon, (Canadian Journal of Economics and Political  
Science. Vol. XXVI, No. 4, November 1960.)

### Committee of Judges

Professor H. B. Mayo, Chairman  
Professor D. Hauser  
Professor J. J. Madden



General Article

"Free Asia's Revolt Against Western Ways", by Blair Fraser. (MacLean's, July 2, 1960.)

Committee of Judges

Professor Earle Beattie, Chairman

Professor J. L. Wild

Professor William Wehlau



## UNIVERSITY ATHLETIC ASSOCIATION

Report of the President - J. C. Taylor

The Annual Meeting of the Athletic Association of the University of Western Ontario was held immediately following the Mens' Athletic Banquet on the 5th of April, 1961. There was no business to conduct. Accordingly the meeting was adjourned after the following appointments to the Athletic Directorate for the coming year had been announced: Mr. John Anderson - University Students' Council, Miss Sue Barby - University College, Mr. Ron Ferguson - University College, Mr. Tom Tweedie - Faculty of Medicine. At the time of the meeting the name of the representative of the School of Business Administration had not been made known.

The Athletic Directorate held four meetings during the year. Those matters which were dealt with and which were not of a routine nature are set out in the following paragraphs.

### (a) East West Football Game

After considering a letter from the supervisor of athletics at the University of Alberta asking if the University of Western Ontario would be interested in a post-season East West football game, the Directorate disapproved in accordance with the motion it passed at its February, 1960 meeting to the effect, "that this Directorate disapproves of a post-season game between East and West".

### (b) Student Seating at Basketball Games

In reply to a letter from the University Students' Council asking for more seats, the Directorate passed the following motion "that all seats in the south end of the gymnasium be allocated for student use; that all sales of general admission tickets to the public be discontinued; that only Section A and B on the scorer's side be sold for season tickets and a limited number of reserved seats".



(c) Waterloo University

The Directorate passed a motion favoring the admission of Waterloo University to senior grouping in the O. Q. A. A.

(d) Artificial Ice Pad

At the request of the members of the Directorate I wrote to the Chairman of the Board of Governors in February, 1961, expressing their appreciation of the Board's decision to construct an artificial ice rink on the campus.

(e) Canadian Intercollegiate Athletic Union

The Directorate discussed this subject on several occasions and suggested that its representative attend any meetings with an open mind and with the thought that the Directorate is in favor of such a union. A meeting has been arranged for the 26th of September to discuss the constitution and provisional executive officers of the Canadian Intercollegiate Athletic Union, (to be comprised of the O.-Q.A.A., O.St.L.I.A.A., W.C.I.A.U. and the M.(Maritime) I.A.A.), as proposed at a meeting of representatives of the four bodies on 7th June, 1961. In order that the union may become operative this year the secretary of the O.-Q.A.A. has said that he should be informed of our approval or disapproval not later than 4th October 1961.

The election of Dr. McLarty, as provisional President of the proposed Union is, in my opinion, an important honour for the University of Western Ontario. On 24th March, 1961, Dr. McLarty was re-elected President of the O.-Q.A.A.

At its meeting on 28th February the Directorate asked the secretary to write Mr. George Hartwell expressing its appreciation for his contribution over the years to the Rugby Rules Commission. Mr. Jim Farmer had been appointed to replace Mr. Hartwell who wished to resign. At its October meeting a



letter was read from the Alumni Director saying that the Alumni Executive Council had appointed Mr. Jack Fowler to replace Mr. J. Farmer as its official representative on the Directorate.

There would appear to be little doubt but that this past year has been a successful one as far as athletics at the University are concerned. On behalf of the other members of the Directorate I would like to report that we appreciate the help and cooperation we have received from those responsible for supervising the different programs. I would also like to take this opportunity to express the appreciation of all members for the kindly support of Mr. Dignan, whom as you know, was the representative of the Board of Governors. His interest in and knowledge of university athletics, gained over a long period of years, made him a most valuable member of the Directorate. It will be fortunate indeed if someone with such abilities can be found to replace him.



## INTERCOLLEGIATE ATHLETICS

Report of the Director - J. P. Metras

The students, both men and women, taxed the athletic facilities to their limits during this past year. The participation in all levels of competition, especially the interfaculty leagues, was the greatest in the history of the University.

The following is a résumé of intercollegiate sports during 1960-61.

### Football

On the first day of September, one of the largest contingents of football hopefuls turned out for football practices, and before the week was up about one hundred boys were working hard through two-a-day practices. The freshman talent was above average this year with nine first-year men playing college ball on the Mustang Team. The team won their three home games, lost their three road games, and tied Toronto in the exhibition game before the season opener. At the close of the season, tackle Harvey Scott of Trenton, Ontario, was chosen by his teammates as the most valuable player on our team and winner of the George McCullagh Trophy.

### Soccer

Our Senior and Intermediate Soccer Teams, coached for the second year by Mr. Mike Leenders of the Business School staff, had their best season in many years. The University of Toronto once again monopolized both team championships. Our senior team ended the season with a 4 - 4 record for third place. This is the best they have done since 1952. The Intermediate Team finished in second place by winning one, tying three, and losing only two games.

### Golf

Our Golf Team travelled to Kingston again this year to defend their Intercollegiate Crown at the Cataraqui Golf Club



on October 7th. Although the boys shot a 36-hole total of 637, with individual scores of 157, 159, 159, and 162 (they won the championship last year with a total of 664), the University of Toronto team shot even better golf, winning the championship with a total of only 619. Western took second place in the field of ten teams.

### Tennis

The Tennis Championships were held in Montreal on October 12, 13 and 14, and once again Western placed fourth. New tennis courts on the campus will be ready for the 1961-62 season, and these should improve the calibre of tennis played at Western.

### Track and Field

Murray McNie's thirteen-man Track Team travelled to Toronto this fall and placed fourth in the Intercollegiate Championships with 24 points. Some of our best track and field men were involved in football and did not want to spend the extra time training for track. We had no entries in some of the events and this hurt our team score greatly.

### Badminton

The Intercollegiate Badminton Championships were held in Toronto on February 2. The tournament was won by Toronto again, who for the second successive season did not lose a match in the singles and doubles tournament.

### Squash

Western played host to the Intercollegiate Squash Championships in February. Teams were present from Western, Toronto and McGill. At the close of the championships, Western and Toronto ended on top, having won seven matches each, and McGill won one match. Although at first a co-championship was declared, it was later found that to break a tie, the team which had won the most matches in mutual competition should be declared champion. Thus we had to bow out gracefully to Toronto. This is the closest Western has come to winning the Intercollegiate Squash Championships.



### Swimming

The Intercollegiate Swimming Championships were held in Toronto's Hart House Pool on February 25th. Western finished second behind a good Toronto team and had to relinquish the trophy they won last season for the first time. The team was handled this year by our new Swimming Coach, Bob Eynon (P.H.R.E.'57), who did a wonderful job with a lot of new boys.

### Wrestling

Our University hosted both the Senior and Intermediate Wrestling Championships on February 24 and 25. Although Western retained their Intermediate crown, they lost the Senior to Toronto who won five of the nine individual championships. Western was second and won three individual championships. Five members of our nine-man team were freshmen, so Western should make a good showing next season.

### Basketball

Western's Senior Basketball team won their thirteenth Intercollegiate Championship in the past sixteen years. In league play the boys won seven games and lost one to Toronto. On the overall season they won 12 and lost 11 games, the losses were mostly to strong American college teams. High scorer for the team was Barry Howson, a sophomore with 318 points in 20 games. There was no Intermediate Intercollegiate League this season, but the Colts had a good exhibition schedule and lost only one of their twelve games.

### Men's Interfaculty Program

Under the directorship of Mr. Edgar DeArmon, the Men's Interfaculty Program had a very successful year. It was the largest program in the history of the athletic association. The lack of more facilities was the only thing that kept the program from getting even larger. With the addition of the ice hockey pad for next year, the Interfaculty Program will certainly mushroom to a larger percentage of the student body.



The nine faculties on the campus took part in eighteen different sports, with Huron College winning out in the final overall standings. 967 male students from the nine faculties took part in the program. This was an increase of 5.9% over 1959-60. Many other boys took part in the house league competition within their own faculties before the interfaculty leagues started. The athletic association regrets that our present facilities will not meet the demands of the student body for all the competition they desire and should have.

### Women's Athletic Activities

The year 1960-61 was again a very successful one for the Women's Division of the athletic association. The Athletic Committee did a very good job of organizing the intramural activities and numerous intercollegiate meets, such as the Al-Wat-West and Westoamac Field Days and the Volleyball, Badminton and Basketball Tournaments. Also the Intercollegiate Badminton Meet was held at Western this year.

The Intramural Program was a successful one as more facilities were made available for the girls, namely both gymnasium floors on Wednesday nights from 6:30 to 10:00 p.m. The following sports were played in the Intramurals, with the number participating in each: Track and Field (30), Indoor and Outdoor Archery (54), Tennis (22), Golf (20), Softball (26), Swimming (51), Volleyball (129), Bowling (57), Badminton (44), Basketball (88), Table Tennis (22).

There were three Intramural Clubs: Fencing, Gymnastics, and Badminton, but their activities were handicapped by lack of facilities, especially the Gymnastics and Badminton Clubs, as they frequently had to cancel their planned activities on Saturdays.

The competitive units in the Interfaculty sports were: General Arts, Honours Arts, Science-Nurses-Medettes, Brescia Hall, and Huron College. The Lang Trophy was won by Honours Arts, with General Arts placing second and Brescia Hall third.

In the Intercollegiate League, Western girls won two championships, Swimming and Volleyball. Ninety-seven girls participated in Intercollegiate competition.



THE WESTERN ONTARIO  
SECONDARY SCHOOLS' ASSOCIATION

Report of the Secretary - W. A. McWilliams

In this the 39th year of operation 72 schools were members of the Association. Of these, 20 schools competed as "AA", 24 as "A", and 28 as "B". The total enrolment in these schools exceeded forty-five thousand students.

During the year thirteen activities made use of the University facilities for meets or playdowns. Over 2500 students competed in events on the campus. Owing to the pressure of the increased University enrolment on the University athletic facilities, an increasing number of WOSSA championships were held in the Teachers' College and in the gymnasias of member schools. The improved facilities for athletics in the new schools and in additions to the older schools make possible the transfer of WOSSA activities to outside centres. The University stadium was used for the "AA", "A" and "B" track and field championships and also for two Conference meets. It is probable that other districts may hold their track and field meets here in the future.

One noteworthy feature was the increased participation of girls in interschool competitions. This was shown by the larger number of schools entering interschool competition for girls especially in volleyball and basketball, but also in the addition of four events to girls' Track and Field Meet programmes.

Participation in activities sponsored by WOSSA both on and off the campus brought together the following number of students in interschool activities:

Badminton	164	Soccer	352
Basketball	2898	Swimming	150
Cross Country	67	Tennis	41
Curling	80	Track & field	2400
Football	1800	Volleyball	1764
Gymnastics	48	Wrestling	<u>55</u>
Hockey	285	Total	10,104



The Association showed a financial gain of \$208.98 during the year. This improvement over losses of the previous years was due to the increase in the per capita fee paid by member schools and by using supplies such as crests accumulated in previous years.

The officers elected for 1961-62 are:

President	Mr. R. Cruickshank, Blenheim
1st Vice-President	Mr. W. Rice, London
2nd Vice-President	Mr. G. Stevens, Sarnia

The decision of the University authorities to withdraw from active direction of WOSSA activities has created problems that will lead to a reorganization of WOSSA management policies. This is a move that the WOSSA members realized was inevitable owing to the increased load on the Departments of Athletics and Physical, Health and Recreation Education on which WOSSA has leaned so heavily in the past for guidance and management. The assurance that the University will continue to make its facilities available for WOSSA activities whenever possible will mean that the ties between our Association and the University will remain unbroken. The continued financial support given by the University during the coming transitional year is also greatly appreciated by the WOSSA Board of Directors.

I wish to thank Mr. John P. Metras and Professor W. J. L'Heureux and the other members of their departments for their cooperation and assistance throughout the year. I wish also to express to Miss June Burr my sincere thanks and appreciation for her capable handling of WOSSA affairs during her years as secretary to the Secretary-Treasurer. Her knowledge of the various phases of the WOSSA activities has contributed in a very large measure to the success of WOSSA and made my task very light and pleasant.



## A L U M N I   A S S O C I A T I O N

Report of the Director - G. O. Hartwell

The University of Western Ontario Alumni Association exists mainly for the following reasons:

1. To advance the cause of the University whenever and wherever possible,
2. To maintain the interest and support of former students in the work of the University,
3. To assist the welfare of past and present students of the University.

The work of the Alumni Association is directed by an Executive Council through the Alumni Office in Thames Hall. There is a staff of five consisting of the Alumni Director, an associate director working half time, an office assistant, and two clerk-typists.

The Alumni Executive Council meets once a month under the chairmanship of the President of the Alumni Association. The work of the Council is done by eight standing committees which report regularly to the Executive Council. The Alumni Director acts as executive-secretary to the Council and all committees. He also serves as treasurer for all financial transactions of the Association.

The 1960-61 president of the U.W.O. Alumni Association was Mr. George L. Bowie. The chairmen of the various standing committees were: Alumni Clubs, Mr. Thomas Lutton; Citations, Miss Jessie MacFarlane; Constitution, Mr. Mel Pryce; Finance, Mr. Arnold Harris; Fund Campaign, Mr. James Chick; Homecoming, Dr. Earl Plunkett; Nominations, Mr. John Cram; Publications, Mrs. Maxinne (Wyatt) Barker.

Each year a number of Special Committees are appointed to investigate various additional projects where it is felt that alumni can assist in promoting the University, its students, or alumni interest and support. The Alumni Spring Festival



of Music in 1961 took up most of the extra time for special projects in 1960-61. A very strong committee under Chairman Dr. Jack Walters worked prodigiously on this project, and along with the great cooperation of all University departments and particularly the Board of Governors through University President Dr. G. E. Hall, brought the Festival'61 to a very successful conclusion. Other committees handling special projects were: Student Cultural support under Dr. Jack Walters, and the Schools and Scholarship Committee under Mr. Tom Lutton.

#### Highlights of Alumni Activities for 1960-61

1. Alumni donations in 1960 held the line despite the adverse condition in the income tax situation in the U.S.A. (see report on finances).
2. Alumni were active in seeking out top high school graduates for enrolment at Western as a result of the work of the Schools and Scholarship Committee in 1959.
3. After a series of meetings of the Schools and Scholarship Committee with advice from University personnel, the Alumni Association invested sufficient funds from its earned funds account to establish bursary and scholarship awards (see report on finances).
4. Three new area alumni groups held dinner meetings and elected permanent executive bodies to establish active Alumni Branch Associations. In order of organization these were Kent County, Montreal, and the St. Lawrence Alumni.
5. The first annual U. W. O. Alumni Festival of Music was held in Thames Hall on April 29th and 30th. Over 3,000 music lovers heard the Cleveland Symphony Orchestra under Dr. George Szell, and artists Rise Stevens and Leon Fleisher in a series of three concerts. Although somewhat down financially, the Alumni Committee is holding a repeat performance in 1962 at which it is hoped to clear the 1961 deficit.



### Alumni Branch Associations

Besides the organization of the three new Alumni Branches previously mentioned, the Alumni Director, through the services of the Alumni Office, assisted in the promotion of meetings in other Branch Associations by (1) supplying lists of names and addresses for personal contact by Branch executive members, (2) composing notices of meetings and getting same printed, (3) mailing notices to alumni residing in each area, (4) arranging for speakers, and (5) accompanying speakers to meet alumni and to give an account of Alumni activities.

The following areas held at least one general meeting since the last report (this does not include conferences with the Alumni Director or executive meetings held by Branch Associations to organize meetings): Brant County, Elgin County, Essex County, Kent County, London Alumnae and Alumni (three), Montreal and district (two), Niagara Peninsula, Oxford County, Ottawa and district (two), St. Lawrence area (two), Toronto area sponsored by the Don Mills section, Waterloo County, Winnipeg and district (two).

Through the Schools and Scholarship programme, individuals or small groups of alumni were active in interviewing and seeking out top students for enrolment at Western. This activity reached into nearly every community in Ontario and into larger centers in all other provinces.

### Finances

Alumni Association expenditures are financed jointly by the University's Alumni and the Board of Governors.

The Board of Governors pay salaries outright and provide quarters for the Alumni Office. Additional grants are made towards travelling expenses, office equipment, and fringe benefits.

The Alumni Association funds are obtained in three ways:



1. By conducting an Annual Fund Appeal for donations to the University from Alumni,
2. By the sale of various articles, and through promoting various events on Homecoming Weekend,
3. By interest earned on Alumni Trust Account securities.

All donations from the Alumni Fund Appeal go directly to the University. These funds are allocated to University projects through decisions made jointly by the Board of Governors and the Alumni Assembly.

The Alumni General Account handles all earned funds. These funds are spent on projects which benefit student activities.

The Alumni Trust Account is a composite of funds from many sources and is invested in trust securities. In 1960-61, the Alumni Executive Council resolved to use the interest from the Trust Account to:

- (a) Pay an Alumni Bursary of \$400.00 to a deserving student in financial need from any Faculty or School.
- (b) Supply four gold medals to graduating scholarship students in accordance with University and Department standards for this award. The University allotted the following fields to the Alumni Association:
  1. To an honors B.A. degree student at the College of Music,
  2. To an honors B.Sc.N. degree student at the School of Nursing,
  3. To a B.Sc. degree student in Honors Chemistry,
  4. To a B.A. degree student in Honors English.



Alumni Fund Appeal

The table below shows comparative financial support to the University through the Annual Alumni Fund Campaign only. Many alumni give directly to the University to support projects in which they are personally interested ( a summary of these gifts is shown in a later table). Due to the deliberations of the U.S.A. income tax authorities on the status of income tax exemption for gifts to foreign institutions, the solicitation of financial support from our graduates residing in the U.S.A. has been curtailed for the past two years. This has seriously reduced the amount of donations through the University of Western Ontario Foundation, Inc.

<u>Year</u>	<u>No. of Contributors</u>	<u>% of Alumni Contributing</u>	<u>Amount of Contributions</u>	<u>Average Donation</u>
1952-3	662	9.0	\$ 8,696.00	\$ 13.14
1956	1597	18.1	16,229.00	10.16
1960	2538	21.6	31,602.00	12.45

In 1958 the Alumni Council pledged \$100,000.00 to the Western Building Fund. With the payment of \$15,000.00 approved by the 1961 Alumni Assembly, the amount owing on this pledge has been reduced to \$52,674.68.

Summary of Alumni Financial Support to the University

Only in recent years have alumni donations been sufficient to give financial assistance to the University. There are four sources of alumni funds from which grants are made, as follows:

1. Alumni Funds Invested for Student Loans

<u>Loan Fund</u>	<u>Capital</u>	<u>On Loan</u>	<u>Available</u>
Arts & Science	\$6,471.00	\$ 5,467.46	\$1,003.64
Medical	9,767.76	665.00	9,102.76
Graduate	2,500.00	No figure	No figure



2. Gifts to U.W.O. from the Annual Alumni Fund Appeal

Reported in the period 1955-60	\$ 64,586.00	
Transfer to B.F. in 1961	15,000.00	
		\$ 79,586.00

3. Alumni Grants to Student Activities from Earned Funds

Reported in the period 1954-60	7,975.00	
Grant to U.S.C. (W.U.S. delegate) 1961	250.00	
Grant to U.S.C. (Winter Weekend) 1961	150.00	
Grant to Folio - grand student prize 1961	50.00	
Grant to Eleanor Ward (Dominion Track Meet)	100.00	
London Alumnae grant to Student Welfare Fund	100.00	
		\$ 8,625.00

4. Direct Gifts to the University from Alumni

Reported in the period 1954-60	\$ 139,339.00	
Reported by Mr. Willis 1960-61	11,578.00	
		\$ 150,917.00

Grand Total - Alumni Donations - 1954-61	\$239,128.00
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General Activities

1. Alumni Homecoming Weekend

A valuable innovation in 1960 was the decision of the U.S.C. to hold Parent-Student Day in conjunction with Alumni Homecoming. This proved advantageous to both efforts.

The basis of Homecoming Weekend is the class reunion by school or faculty on each five year anniversary graduation.



The date falls on the second home football game. Faculties and Schools in the Constituent University are encouraged to hold seminars and open houses to bring graduates up-to-date on new techniques and advances in their fields.

Events are scheduled to attract also the alumnus whose class is not holding a reunion but who wishes to bring his family to see the progress of his University. The Alumni office prepares, prints, and mails class lists and reunion notices for all classes. We also assist the faculty or school programs and the student program wherever possible.

## 2. Enlarged Office Quarters

The Board of Governors kindly expanded the Alumni Office quarters into a third room. It is expected that the increased space will provide accommodation for files and office equipment to handle the ever increasing numbers of graduates for many years.

## 3. Publications

The Alumni Association publishes the Alumni Gazette nine times a year. This operation accounts for over 25% of the time of the Alumni Director, the Associate Director, and one girl. All members of the staff are involved in the addressing and mailing of each issue.

Altogether, the Alumni Office staff handles the printing, addressing, and mailing requirements for just over 14,500 alumni which figure includes the School of Business short term associates. Over 1000 new names are added each year. This work also means the maintaining of records and addresses for each individual. Close to 400 of these change their addresses or occupation each month. These must be traced and new records made. It is not unusual to mail 30,000 pieces in a month to cover all of the alumni activities.

## 4. Alumni-Student Relations

The many ways of joint Alumni-Student activities have been listed in previous reports.



Two favourable advances in the 1960-61 year were:

(a) Joint committees to work on Alumni-Parent-Student activities for the 1960 Homecoming.

(b) A change in the U.S.C. constitution to permit the Alumni Director to attend U.S.C. meetings as an ex-officio member.

It is expected that both of the above developments will allow many future advances in better understanding of the need of alumni interest and support to Western.

#### 5. U.W.O. Alumni Spring Festival

Although the responsibility for this Alumni cultural activity was handled by an incorporated committee, promotion material and the actual sale of tickets fell largely on the staff of the Alumni office. The time spent greatly disrupted the timetable of the ordinary alumni activities.

The 1962 Festival Committee expect to use the facilities of the London Little Theatre for ticket sales next year. This will relieve the Alumni office staff of many time-consuming details.

#### 6. Joint Cooperation

As each year passes, the U.W.O. Alumni Council is increasingly appreciative for the cooperation and encouraging assistance of all University personnel. Because the Alumni Association and its executive officers are responsible for advancing the interest and support of Western graduates to the University, the advancement of this work would be impossible without this cooperation. It is most helpful to have the interest of the members of the Board of Governors, the Administrative Staff - particularly the President, the Comptroller, and the Registrar, the members of the Faculty and their staffs, and the Maintenance Department.



JOINT McINTOSH COMMITTEE

Report of the Secretary - R. A. Allen

The appointment of Mr. Tony Urquhart as Resident Artist brought new life this year to the McIntosh Gallery. Mr. Urquhart arranged seven exhibitions during the academic term and these were of an interesting variety, including paintings, drawings, etching and sculpture: Ten Buffalo Painters, African Primitive Sculpture, Three Canadian Artists (Bruce Head, Frank Mikuska, Tony Tascona), Artists' Studio Week, Tony Urquhart Show, Canadian Drawings, Zieman Etchings. The Artists' Studio Week, in which fourteen painters participated, aroused special interest among students and faculty. The painters were present in the Gallery themselves and not only exhibited finished works but demonstrated to the students their methods through paintings under way.

Mr. Urquhart also conducted two sketching classes each week for students and faculty, which were well attended and thoroughly enjoyed. A less tangible but important result of the Resident Artist's presence was the interest generated among the students who were encouraged to drop in at his studio, watch him at work and discuss artistic problems with him.

The Joint McIntosh Committee again offered the usual prizes in Business Administration, Geography, Debating and Public Speaking. A total of \$2,130.00 was awarded: Business Administration \$700.00, Geography \$700.00, Debating \$400.00 and Public Speaking \$330.00. The prizes were shared by 47 students and ranged from \$5.00 to \$300.00. Debating in particular had an unusually active year. The generous support provided in recent years by Colonel D. B. Weldon for intercollegiate debating has been a stimulus to debating at all levels and the McIntosh contests have served as a training ground for the intercollegiate debaters.

The Committee assisted in the promotion of music on the campus by making grants to the University Choir for the purchase of music, to the College of Music for records and books, and by the purchase of a piano for the Lower Gallery of the McIntosh Memorial Gallery.



THE DEPARTMENT OF  
BUILDINGS AND GROUNDS

Report of the Superintendent - J. Shortreed

During this year the staff of the Department of Buildings and Grounds averaged approximately 150 people who were distributed as follows: technical - 2, clerical - 8, operative - 32, maintenance - 33, and caretaking - 75.

In addition to normal maintenance as authorized in the budget for this Department, the Department initiated approximately 3,200 purchase requisitions. 638 orders for labour and materials were issued for other departments and for alterations.

Alterations to Grounds

The levelling of the west commons to provide two additional playing fields and the alterations to the adjacent parking lot were completed. This lot and its entry road were paved.

An ornamental iron fence, some 3,400 feet in length, was erected along the Western Road and Huron Street boundaries of the campus.

The University-owned "Wilkinson" house located on the south-east corner of Western Road and Huron Street, which had been previously leased, was demolished.

The University-owned houses at 110 and 114 Waterloo Street were removed to prepare the area for a faculty parking lot. This will replace the area previously used which was surrendered to Victoria Hospital.

A program of installation of curbing was started in a minor way.



### Additions to Grounds

The University purchased three small properties on the east side of Western Road near Victoria Street. These holdings, the Henry, Smallman, and Sanderson, had a combined area of 6 1/8 acres with a frontage along Western Road of 500 feet.

The University acquired the estate of the late Helen Gibbons which consisted of 125 acres on the north-east corner of Richmond Street and concession 5, London Township.

The property located at Iona Station which was a gift to the University from the late Dr. W. J. Crane was deeded by the Board of Governors to the Corporation of the County of Elgin as a park and demonstration woodlot in memory of Dr. Crane.

The former W. B. Springett property located on the west side of Western Road, south of Huron College, was purchased.

### Alterations to Buildings

The area on the 3rd floor of The Physical and Chemical Sciences Building, vacated by the School of Nursing, was converted into chemistry laboratories. Bench lockers were installed in Room 117. A 30 volt rectifier was installed in Rooms 25 and 28 of the physics section.

The electrical service in The Physical and Chemical Sciences Building was modernized and the capacity increased to 300 KVA.

In The Biological and Geological Sciences Building, the basement area in the north wing which had been left unallocated was divided between the Departments of Botany, Geology, and Geophysics; three graduate student rooms and research laboratories were provided.

The first year's portion of a two-year program for reconditioning the 8" steam main in the pipe tunnel from the



Heating Plant to The Physical and Chemical Sciences Building was completed.

The games room in Thames Hall was converted into student offices.

In Convocation Hall, University College, major repair and rebuilding work was effected on the leaded glass windows. Fluorescent lighting was installed.

Extensive repairs were made to the University Bridge. The abutments were repaired and all decks weakened by de-icing salt solution were renovated. The structural members were sand blasted and painted.

#### Equipment

Several major items of equipment were purchased during the year to handle the increase in grounds maintenance necessitated by the acquisition of additional properties. The department now has the following large grounds equipment available for service: 2 large trucks; 2 small trucks; 3 tractors with farm wagons of various types; 2 of these also have snow ploughs, tractor ploughs and front end loaders; 4 sets of gang mowers; a snow blower; 2 power mowers and a 21" rotary mower.

#### Parking

Both staff and student vehicles increased greatly during this year. The Board of Governors agreed that commencing July 1, 1962, freshmen would be refused car permits with medical and commuter exceptions.

#### Reservations

The activity of the Room Reservation section increased considerably due to the increased use of the buildings at night for extension work. Counting the social and extramural functions with extension, a total of 2,600 reservations were required.



### New Buildings and Projects

Middlesex College, which was described previously, was occupied in September 1960, though minor finishing continued until December.

The Josephine Spencer Niblett Faculty of Law Building was accepted in June 1961.

The Kresge School of Nursing Building was used for classes after the Christmas break.

The Canadian Cancer Society authorized a grant of \$600,000.00 for a Cancer Research Laboratory. This was planned as a four storey extension westerly from The Kresge School of Nursing Building, to be linked to a future Basic Medical Sciences Building further west, and will consist of offices, laboratories, and specialized procedure rooms. The building has a gross area of 20,200 square feet. Occupancy is scheduled for October 1961.

In January 1961 the Board of Governors authorized the construction of an artificial ice rink with a maximum expenditure of \$100,000.00. This will provide a hockey cushion and an extra area of 50' X 150' which will serve for free skating, hockey supplement, curling instruction, and figure skating. It will be available by November 15, 1961. A small equipment room and change house was built within the stadium area.

An anonymous donor provided \$275,000.00 for a library for the School of Business Administration, to equip that Faculty for graduate work. A two storey stack to house 70,000 volumes, and air conditioned reading space for 120 students was planned. The accepted plan provided a corridor running east to future school extensions but which, for the present, will serve as part of the reading area. The corridor on the north elevation carries three cathedral type stained glass windows.

To provide the Department of Botany with additional research area for increased staff, the Board of Governors authorized a Greenhouse, housing four experimental areas and a combined potting room and laboratory building. These



lie east of the present Greenhouses and are connected to The Biological and Geological Sciences Building by a walk-through tunnel. They will be completed in October 1961.

The Lawson Memorial Library had filled the stacks provided in 1954. As well as considering added stacking for 125,000 volumes, it was agreed that the Library operating and receiving area be re-arranged and extended.

Planning also included a staff reading room, a periodical reading room, and two open-stack student rooms, one of which was the former reserve book room and the other the Museum of Pioneer Life. The new stacking was designed for an additional three floors in the future. Provision was also made for lavatories in the old building. The gross area of the addition is 25,470 square feet.

The contract was let in June 1961. Completion of the addition is slated for the Spring of 1962.

#### Projected Growth

With the accepted policy of increase to 5,000 students in 1966 the present buildings will expand from 14.7 million cubic feet, valued at 22.5 million dollars, to 24 million cubic feet, with a probable value of 44 million dollars.

To heat these buildings we will need 60,000 pounds of steam per hour which will require boiler capacity of 80,000 pounds per hour. Our present capacity is 45,000 pounds per hour in all plants.

To supply electrical power we will be required to meet a power peak of 2600 KVA of which 2400 KVA will be from the north campus service where our present installed capacity is 2000 KVA

The total employees in the Department will increase proportionally to about 240 people. Provision of suitable shop space and office space to centralize the operating groups is very urgently required.



## UNIVERSITY NAVAL TRAINING DIVISION

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

The training year 1960-61 was introduced by a change of command when Commander C. H. Aharan, CD, RCN(R) was relieved by Lieutenant M. P. Poucher, RCN(R). Commander Aharan has commanded the University Naval Training Division for five years and his appointment to other duties in H.M.C.S. "Prevost" was a loss to the organization.

### Recruiting

Recruiting this year declined, inasmuch as thirty-eight freshmen showed great interest initially, though only sixteen applications were finally received. Of these sixteen, ten were enrolled in the UNTD Probationary Cadets, and eight completed summer training.

### Training

Winter training proceeded satisfactorily and, through the introduction of a new Training Syllabus in 1959, it was found that both efficiency and morale increased.

Eight First Year Cadets, seven Second Year, and six Third Year Cadets successfully completed both Winter and Summer Training. All six Third Year Cadets completed all required training and were awarded their commissions.

Winter Training was improved this year by the introduction of two Tri-Service Training nights, alternately under the direction of each Service. These proved most successful, particularly in acquainting the Cadets, not only with each other, but with each other's traditions, methods and problems. It is planned to continue this in future years.

The year 1960-61 was celebrated as the 50th Anniversary of the establishment of the Royal Canadian Navy. Several special lectures were held to acquaint the Cadets with this fact,



and it is felt that the increased national publicity given to the Navy this year will assist in recruiting in the next training season.

Strength

The UNTD as of 1 May, 1961 was as follows:

Reserve Staff Officers	5
1st Year Cadets	8
2nd Year Cadets	7
3rd Year Cadets	6
Regular Force Cadets	4
Regular Force Officers	1
<b>Total</b>	<b>31</b>



## CANADIAN OFFICERS' TRAINING CORPS

Report of the Commanding Officer  
Lt.-Col. A. E. Raymond, CD

This report covers the period 1 September 1960 to 31 August 1961.

The efficiency of the Contingent has continued to improve with the benefit of full-time support from the Canadian Army (Regular). The Resident Staff Officer of the last two years, Captain N. A. Robertson, was chosen, in the spring of 1961, to attend Staff College commencing 1 September. He will be replaced for 1961-62 by Lt. R. K. Tomlinson, Lord Strathcona's Horse (Royal Canadians), from Western Command. Cpl. J. V. Welch was replaced in January 1961 by Cpl. M. Haluk, RCASC.

The continuing of the Central Conference at AHQ in May 1961, was helpful in further clarification and unifying of policy. Some further changes in training programme are forecast, in line with recent developments.

### Enrolment and Contingent Strength

As a result of the successful recruiting of 1959, the quota for 1960 was raised to 25; moreover, flexibility at Command level in provision of additional vacancies was continued. Once again, recruiting improved and additional vacancies were secured and filled, to a total of 39 for the three detachments, which compares favourably with the largest intakes of former years. Assumption University experienced a gratifying revival of interest. Statistics for recruiting are as follows:

<u>College</u>	<u>No. of Applicants</u>	<u>No. of Rejections</u>	<u>Accepted 1st Yr. Cdts.</u>	<u>Quota</u>
UWO	36	19	17	12
Waterloo	26	13	13	10
Assumption	14	5	9	3
TOTALS	<u>76</u>	<u>37</u>	<u>39</u>	<u>25</u>



The addition of COTC training for girls from the Home Economics Course as Dietitians provided only one vacancy for this Contingent, which it proved impossible to fill. It is hoped that in future at least two vacancies will be provided, which may attract more interest:

The total strength of the Contingent as of 30 April 1961 was as follows:

	<u>UWO</u>	<u>Waterloo</u>	<u>Assumption</u>	<u>Total</u>
Contingent				
Officers	3	1	1	5
COTC	35	20	13	68
ROTP	6	0	4	10
	<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>
TOTAL	44	21	18	83

#### Theoretical Training

Theoretical training was carried out from 27 September 1960 to 6 April 1961. Each Detachment paraded one evening per week as follows:

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

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

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

The new Training Standards issued in 1960 were employed, including work in National Survival, Guided Missiles, and Nuclear Warfare, which added much to the interest of the programme. Further changes are forecast for the near future.

#### Special Events

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



- 19 Oct 1960 - Smoker - HQ Staff & Services Officers Mess
- 11 Nov 1960 - Remembrance Day Parade, Convocation Hall
- 23 Nov 1960 - Joint Parade with UNTD and URTP at HMCS Prevost
- 25 Jan 1961 - Joint Parade with UNTD and URTP at Wolseley Barracks
- 11 Feb 1961 - Waterloo College Detachment Ball
- 17 Feb 1961 - Tri-Service Ball, HMCS Prevost
- 24 Feb 1961 - Tri-Service Ball, Assumption University
- 25 Mar 1961 - Exercise Pennant - Inspection by Area Commander, Brigadier F. A. Clift, accompanied by Honorary Colonel Major-General A. C. Spencer  
- Annual Mess Dinner

#### Practical Phase Training

A total of 59 members of the Contingent (excluding ROTP) were despatched for summer training at training establishments and units of the Regular Army.

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

- 2 Lt Rehse - Armoured Corps (Waterloo)
- 2 Lt Hitchins - Infantry Corps (UWO)
- 2 Lt Proctor - Infantry Corps (Waterloo)
- 2 Lt Woodruff - Infantry Corps (Waterloo)

#### Regular Officer Training Plan

During the period a total of ten ROTP Officer Cadets were attached to the Contingent for training. The acceptance of



responsibility for supervision of their academic standing was well implemented, and appears to have proved beneficial.

### Contingent Staff

The appointment of Captain P. A. Deneau, formerly of the Windsor Regiment, Canadian Army (Militia), as Detachment Commander for Assumption University has proved very satisfactory, as reflected in the increased interest at Assumption this year.

As a general revision of COTC establishments is being considered, no action has yet been taken on the request for a revision of establishment for this Contingent. As a vacancy of one presently exists within the old establishment, it is felt that the appointment of a second Contingent officer at Waterloo would be desirable, provided a suitable candidate is available.

### COTC Staff

Commanding Officer	- Lt Col A. E. Raymond
Second in Command	- Major H. J. Blackwell
Adjutant	- Major G. F. H. Chess
Detachment Commander Waterloo	- Major J. M. Clark
Detachment Commander Assumption	- Captain P. A. Deneau
Resident Staff Officer	- Captain N. A. Robertson, RCA
Clerk	- Cpl. M. Haluk, RCASC



## UNIVERSITY RESERVE SQUADRON (RCAF)

Report of the Commanding Officer  
W/C J. 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 URS over the period of this report remains basically unchanged from reports of previous periods. This policy may be stated 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; and (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 1961 was as follows:



	<u>UWO</u>		<u>Assumption</u>	
	<u>London</u>		<u>Windsor</u>	
	Male	Female	Male	Female
Reserve Staff Officers	3		1	
URTP (F/Cs & P/Os)	32	5	7	1
ROTP	12		5	
RCAF Regular (Ex-Airmen)	5			
Regular Force Support	2			
	<u>54</u>	<u>5</u>	<u>13</u>	<u>1</u>

Total: 67m 6f

### Recruiting

The UWO Squadron 1960-61 recruiting quota for 1st Year Flight Cadets was 16 male undergraduates in the URTP at London and Assumption. Special application was made to AFHQ for an increase in this quota, and as a result 17 male were accepted, 13 from London and 4 from Assumption.

Under ROTP Recruiting, 5 male applicants from UWO and 2 from Assumption were accepted from 1st year.

### Winter Training

The Winter Training for URTP and ROTP Flight Cadets was carried out on Wednesday evenings in the Engineering Science Building. Lectures by Staff Officers, University Professors and guest lecturers were given on Air Force History and Organization, Military and Social Geography, Military History and World Affairs, Northern Canada, Geology, Meteorology, Canadian vs U. S. Constitutionalism, Effective Speaking, Service Information and Elementary Theory of Flight. The cadets were encouraged to participate in debates on military and world affairs topics, and these again proved to be successful in stimulating interest in current news topics. During the last academic session, two Tri-Service Parades and integrated



lectures were introduced with the UNTD and COTC at HMCS Prevost and Wolseley Barracks, and it is anticipated that these will be continued in the future.

The senior cadets participated in the Remembrance Day Service in Convocation Hall, the Tri-Service Ball was held at HMCS Prevost on 17 February 1961 and the RCAF Squadron Annual Mess Dinner was held in the Officers' Mess at Station Centralia, on 3 March 1961. A/V/M I. C. Cornblat, Comptroller of the RCAF, Air Force Headquarters, Ottawa, was guest of honour and speaker at the Mess Dinner.

The Squadron was pleased to welcome other visitors to UWO during the year. These were:

G/C A.G. Kenyon, CO Station Centralia  
G/C J.G. Mathieson, CO Station Clinton  
S/L P.D. Newberry, UWO Medical School  
S/L L. Jewett, Training Command Headquarters,  
Winnipeg, Manitoba.

#### Summer Training

All first year male cadets proceeded to the Reserve Officers' School at Station Centralia for basic training before proceeding to other RCAF stations for specialized training in various branches of the Service. The high calibre of UWO Cadets was again indicated by the results that were obtained on the indoctrination courses at ROS by the usual low number of University academic failures.

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

The following third year cadets were selected for summer overseas postings:

F/C T. L. Granger - 2 Fighter Wing, Gros Tenquin,  
France  
F/C W. B. Rayner - 1 Air Division Support Unit,  
Metz, France.



Faculty Tours

UWO Faculty members again participated in a tour of an RCAF unit, in which Professors Pattison, Watson, L'Heureux, Wild, Bulani, Brien and Messrs. Henderson and Eynon visited the Institute of Aviation Medicine and Stn. Downsview in Toronto.

Staff

The following comprised the establishment of the University of Western Ontario 105 Reserve Squadron for 1960-61.

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	F/L W.G. Benedict
Resident Staff Officer	F/L C.P. Mullin
University Support Clerk	Cpl. J.V. Forestell

F/L W. L. White was compelled to relinquish his staff appointment as CO of the detachment at Assumption University due to increased academic commitments, and F/L W. G. Benedict, Associate Professor of Biology, was appointed to replace F/L White. F/L C.P. Mullin continued for the second year in the capacity of Resident Staff Officer (RCAF) and Armed Forces Co-Ordinator on the campus.

I wish to take this opportunity to express my sincere appreciation to those who have offered their support and co-operation to me during the past year. It is felt that these efforts contributed immeasurably toward both the excellent training programme which was offered and the successful year which was enjoyed by the Squadron.



STAFF CHANGES

UNIVERSITY COLLEGE

Retirements

- R.E.K. Pemberton Professor, Department of Classics, but to continue as Lecturer (Part-time) in the Department for the year 1961-62.
- S. F. Maine Director, Summer School and Extension Department, but to continue as Lecturer (Part-time) Department of History for 1961-62.
- J. A. Gunton Professor and Head, Department of Chemistry
- J. W. Burns Professor, Department of Chemistry, but to continue as Lecturer (part-time) in the Department for the year 1961-62.
- R. L. Allen Professor and Chairman, Department of Physics, but to continue as Lecturer (part-time) for the Department for 1961-62 and as Chairman until 1st October 1961.

Leaves of Absence

- P. Fleck Instructor, Department of English
- J. Reidy Assistant Professor, Department of English



J. A. Faulkner      Assistant Professor, Department  
of Physical, Health and Recreation  
Education

Resignations

F. Stiling      Principal, University College, but to  
continue as Dean, Faculty of Arts and  
Science, and Lecturer, Department of  
English

J. A. McIntyre      Assistant, Office of the Principal, but  
to become Director, Summer School  
and Extension Department, and to  
continue as Lecturer, Department of  
Economic and Political Science

P. Varnai      Instructor (part-time) Russian

Mrs. E. Torrens      Lecturer (part-time) Department of  
Economic and Political Science

J. Reidy      Assistant Professor, Department  
of English

A. Woods      Professor (half-time), Department  
of Pure and Applied Mathematics  
and Astronomy

W. H. Adamson      Instructor (part-time), Department  
of Pure and Applied Mathematics  
and Astronomy

C. H. Aharan      Hon. Lecturer, Department of  
Psychology

Miss M. J. Collier      Associate Professor, Department  
of Psychology

J. McClelland      Instructor, Department of Romance  
Languages



G. F. Atkinson            Lecturer, Department of Chemistry

W. D. R. Eldon            Assistant Professor, Department of  
Economic and Political Science

Appointments

J. Paul                    Faculty Advisor

A. J. McIntyre            Assistant Professor, Department of  
Economic and Political Science

T. Sandquist            Instructor, Department of History

J. F. Hart                Lecturer, Department of Pure and  
Applied Mathematics and Astronomy

J. Talman                Assistant Professor, Department of  
Pure and Applied Mathematics and  
Astronomy

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

L. Heller                Lecturer, Department of Romance  
Languages

J. Warwick              Instructor, Department of Romance  
Languages

C. J. Hickman            Professor and Head, Department  
of Botany

Miss M. L. Dresser      Instructor, Department of Physical,  
Health and Recreation Education

A. G. Davenport        Assistant Professor, Department of  
Engineering Science



Promotions

- D. E. Gerber                      From Lecturer to Assistant Professor,  
Department of Classics
- K. J. Duncan                      From Lecturer to Assistant Professor,  
Department of Economic and Political  
Science
- J. W. Graham                      From Assistant Professor to Associate  
Professor, Department of English
- E. Beattie                         From Assistant Professor to Associate  
Professor, Department of Journalism
- S. G. French                      From Instructor to Lecturer,  
Department of Philosophy
- J. Paul                             From Assistant Professor to Associate  
Professor, Department of Psychology
- J. Havelka                         From Assistant Professor to Associate  
Professor, Department of Psychology
- N. A. Bennetton                    From Assistant Professor to Associate  
Professor, Department of Romance  
Languages
- B. Davies                         From Instructor to Lecturer, Department  
of Romance Languages
- D. A. McLarty                      From Associate Professor to Professor,  
Department of Botany
- D. M. Graham                      From Lecturer to Assistant Professor,  
Department of Chemistry
- G. McG. Boone                     From Lecturer to Assistant Professor,  
Department of Geology
- E. Brannen                         From Associate Professor to Professor,  
Department of Physics



C. M. Carmichael	From Lecturer to Assistant Professor, Department of Physics
H.I.S. Ferguson	From Lecturer to Assistant Professor, Department of Physics
R. H. Stinson	From Assistant Professor to Associate Professor, Department of Zoology
D. B. McMillan	From Lecturer to Assistant Professor, Department of Zoology
Mrs. E. M. Berzins	From Assistant Professor to Associate Professor, Department of Physical, Health and Recreation Education.

Returns from Leave of Absence

S. G. Peitchinis	Department of Economic and Political Science.
R. W. Nicholls	Professor, Department of Physics

MIDDLESEX COLLEGE

Resignations

A. B. Conron	Principal, returning to Professorship in Department of English, University College
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Appointments

P. V. Lyon	Faculty Advisor
H. B. Mayo	Professor, Department of Economic and Political Science



J. Reaney                      Assistant Professor, Department of English

D. R. Hauser                    Assistant Professor, Department of English

F. Hitchins                    Lecturer (part-time) Department of History

G. A. Wilson                   Assistant Professor, Department of History

T. J. Casaubon                 Director, Trois-Pistoles Summer School, and Assistant Professor, Department of Romance Languages

W. Burghardt                  Lecturer, Department of Romance Languages

Promotions

T. R. Sansom                   From Lecturer to Assistant Professor Department of Economic and Political Science

R. G. Woodman                 From Assistant Professor and Head to Associate Professor and Head, Department of English

A. V. Tucker                   From Lecturer to Assistant Professor, Department of History

Miss M.E. Williams           From Instructor to Lecturer, Department of Philosophy

D. G. Creighton                From Lecturer to Assistant Professor, Department of Romance Languages



FACULTY OF MEDICINE

Retirements

- J. B. Collip                      Dean, Faculty of Medicine; but to continue as Professor and Head, Department of Medical Research
- Mrs. G. Strickland              Research Assistant, Department of Medical Research, but to continue in the Department for 1961-62
- W. C. Sharpe                      Assistant Professor (part-time) Department of Medicine

Resignations

- G. E. Hobbs                      Assistant Dean, Faculty of Medicine, but to continue as M. F. Fallon Memorial Professor of Preventive Medicine, Head, Department of Psychiatry and Preventive Medicine, and Sr. Associate, Department of Medicine
- J. J. Seguin                      Assistant Professor, Department of Physiology
- D. P. Swartz                      Sessional Lecturer, etc., Department of Physiology, but to continue as Assistant Professor, Department of Medical Research, and Assistant Professor, Department of Obstetrics and Gynaecology
- R. H. Pearce                      Associate Professor, Department of Pathological Chemistry

Appointments

- A. Bakerspigel                  Assistant Professor, Department of Bacteriology and Immunology
- I.B.R. Duncan                  Assistant Professor (part-time)



Department of Bacteriology and  
Immunology

A. H. Neufeld                      Professor and Head, Department  
of Pathological Chemistry

Promotions

H. B. Stewart                      Associate Professor to Professor  
Department of Biochemistry

J. J. Seguin                        Lecturer to Assistant Professor,  
Department of Physiology

C. W. Gowdey                      Associate Professor to Professor  
and Head, Department of  
Pharmacology

H. T. McAlpine                    Lecturer to Hon. Lecturer,  
Department of Medical Research

D. P. Swartz                        Instructor to Assistant Professor,  
Department of Obstetrics and  
Gynaecology

Miss E. E. Trout                    Fellow to Senior Teaching Fellow,  
Department of Paediatrics

J. E. Vincent                        Fellow to Teaching Fellow,  
Department of Paediatrics

SCHOOL OF BUSINESS ADMINISTRATION

Leaves of Absence

D. W. Ladd                          Associate Professor

J. B. Washington                    Assistant Professor

C. B. Johnston                      Lecturer



S. Martin Lecturer

B. Pearson Lecturer

A. Grindley Instructor

R. Sproule Instructor

Resignations

J. Lintott Instructor

N. J. Fry Instructor

J. B. Washington Assistant Professor

Appointments

C. Lundberg Assistant Professor

F. H. Rowland Guest Lecturer

A. Mikolachki Instructor

N.T. Fry Instructor

J. Preston Instructor

W. Weber Instructor

Promotions

R. K. Ready From Associate Professor to Professor

M. Leenders From Instructor to Lecturer

J. Lintott From Instructor to Lecturer







GENERAL

Retirements

Miss K. M. Gillespie Assistant Librarian - General

J. Lepianka Kitchen Porter; but to continue  
with the Food Services for 1961-62

Mrs. I. Stenning Janitress, Buildings and Grounds  
Department

Leave of Absence

M. F. Gregg Warden, Medway Hall, continuation  
of leave



APPENDIX B - REGISTRATION SUMMARY -

<u>College:</u>	<u>UNDERGRADUATE</u>		<u>GRADUATE</u>		<u>Corres-</u> <u>pondence</u>	<u>Exten-</u> <u>sion</u>
	<u>Full-</u> <u>Time</u>	<u>Part-</u> <u>Time</u>	<u>Full-</u> <u>Time</u>	<u>Part-</u> <u>Time</u>		
<u>ARTS:</u>						
Huron College	Men 340	1	-	-	-	-
	Women 113	-	-	-	-	-
Middlesex	Men 198	-	-	-	-	-
College	Women 146	-	-	-	-	-
The College	Men 9	1	-	-	-	-
of Music	Women 18	-	-	-	-	-
St. Peter's &	Men 74	1	-	-	-	-
College of Christ						
the King	Men 209	11	-	-	-	-
	Women -	10	-	-	-	-
University	Men 191	24	121	38	362	711
College	Women 597	22	19	7	177	411
Ursuline	Men -	-	-	-	-	-
College	Women 145	15	-	-	-	-
<b>FACULTY OF ARTS</b>						
and SCIENCE	Men 2021	38	121	38	362	711
	Women 1019	47	19	7	177	411
<b>ENGINEERING</b>						
SCIENCE	Men 180	1	-	-	-	-
LAW	Men 68	-	-	-	-	-
	Women 3	-	-	-	-	-
MEDICINE	Men 217	1	21	-	-	-
	Women 25	-	3	-	-	-
NURSING	Men 2	-	-	-	-	-
	Women 163	-	8	-	-	-
<b>BUSINESS</b>						
ADMINISTRATION	Men 130	-	176	-	-	-
	Women -	-	1	-	-	-
<b>Total for WHOLE</b>						
UNIVERSITY	Men 2618	40	318	38	362	711
	Women 1210	47	31	7	177	411



WHOLE UNIVERSITY - 1960-61

<u>Summer School</u>	<u>GROSS TOTALS</u>	<u>Duplicates</u>	<u>NET TOTALS 1960-61</u>	<u>Gain</u>	<u>Loss</u>	<u>Total Gain</u>
-	341	-	341)			
-	113	-	113)	454	67	
-	198	-	198)			
-	146	-	146)	344	344	
-	10	-	10)			
-	18	-	18)	28	3	
-	75	-	75)			
-	220	-	220)			
-	10	-	10)	305	6	
1015	3462	583	2879)			
447	1680	212	1468)	4347	209	
-	-	-	-)			
-	160	-	160)	160	32	- 136 -
1015	4306	583	3723)			
447	2127	212	1915)	5638	38	649*
-	181	-	181)	181	181	( <sup>*</sup> less 611 enrolled through Waterloo last year)
-	68	-	68)			
-	3	-	3)	71	36	
-	239	-	239)			
-	28	-	28)	267	15	
-	2	-	2)			
-	171	-	171)	173	25	
-	306	-	306)			
-	1	-	1)	307	16	
1015	5102	583	4519)			
447	2330	212	2118)	6637	311	
-	-	-	-)			



OCCUPATIONS OF STUDENTS' PARENTS

<u>Occupations:</u>	<u>Number of Students</u>	<u>Percentage of Students</u>
Agriculture - - - - -	943	14.20
Business - - - - -	343	5.16
Construction - - - - -	242	3.64
Finance - - - - -	753	11.34
Fishing - - - - -	11	.16
Labour (unspecified) - - - - -	114	1.72
Lumbering - - - - -	45	.68
Manufacturing - - - - -	914	13.77
Mining - - - - -	91	1.37
Service: Custom and Repair - - - - -	399	6.01
Domestic and Personal - - - - -	13	.19
Professional:		
Education - - - - -	275	4.14
Engineering - - - - -	216	3.25
Health - Doctors, Dentists, Optometrists -	273	4.11
Druggists - - - - -	52	.78
Laboratory Technicians - - - - -	28	.42
Law - - - - -	94	1.42
Religion - - - - -	112	1.68
Miscellaneous:		
Artists and Musicians - - - - -	22	.33
Entertainment - - - - -	18	.27
Publications - - - - -	63	.94
Social Service - - - - -	12	.18
Public Service:		
Municipal, Provincial, Federal - - - - -	320	4.82
Trade - - - - -	656	9.88
Transportation - - - - -	361	5.44
Retired - - - - -	30	.45
Deceased (former occupation not given) - - - - -	93	1.40
Unreported - - - - -	144	2.17
	<u>6637</u>	<u>100.00%</u>



WINNERS OF ONTARIO SCHOLARSHIPS

The following students entolled at this University in September 1960, with Grade XIII averages of 80% or more.

<u>Name of Student</u>	<u>Home Address</u>	<u>School Attended</u>
Robert M. Aitken	Toronto	Royal York Collegiate
J. Campbell Allan	Guelph	Guelph Collegiate-Vocational Institute
Judith M. Allen	London	London Central Collegiate
Carolyn Biehn	Georgetown	Georgetown High School
Alan T. Blackwell	London	London South Collegiate
Christine Boyd	Windsor	J.L. Forster Collegiate, Windsor
Margaret Brown	Courtright	Sarnia Northern Collegiate
Johr B. Cairns	London	Oakridge High School, London
Susan Carter	Port Credit	Port Credit Secondary School
Sheri Craig	Toronto	Oakwood Collegiate, Toronto
Caroline Daugharty	Belleville	Quinte Secondary School, Belleville
Margery Davidson	St. Thomas	West Elgin Secondary School, St. Thomas
G. Michael Deacon	Burlington	Nelson High School, Burlington
James De Boer	Strathroy	Strathroy Collegiate Institute
Christina De-Jonge	Caistorville	South Lincoln High School
Allan J. Douglas	Windsor	Walkerville Collegiate Institute
Feliz Douma	Otterville	Norwich District High School
Sarah Doyle	London	London South Collegiate
Mara Dreimanis	London	Oakridge High School, London
David Ducharme	Zurich	South Huron District High School, Exeter
Maureen Duffy	R.R.2, Glanworth	St. Joseph's High School, St. Thomas
Virginia Edwards	Grimsby	Grimsby District High School
Kenneth Fadelle	Strathroy	Strathroy District Collegiate
John Fulham	Woodstock	Woodstock Collegiate Institute
Eleanor Gough	Stratford	Stratford Collegiate Institute
Peter Guthrie	Port Elgin	Saugeen District High School
Lewis M. Haddad	Windsor	The Hon. W.C. Kennedy Collegiate, Windsor



<u>Name of Student</u>	<u>Home Address</u>	<u>School Attended</u>
Patricia Lois Hammond	Guelph	Guelph Collegiate-Vocational Inst.
Maaike Hoeksema	Wyoming	Petrolia District High School
Jane Horton	Hensall	South Huron District High School, Exeter
Tanya Johnson	Windsor	Patterson Collegiate Institute.
Robert R. Love	Kincardine	Kincardine District High School
William K. Marshall	Kirkton	South Huron District High School
Mary E. McCallum	Windsor	Patterson Collegiate Institute
Jean McNally	Guelph	Guelph Collegiate-Vocational Institute
Emilie Novak	Dorchester	Sir Adam Beck Collegiate, London
Edward J. Palmer	Stratford	Stratford Collegiate Institute
Patricia Pegg	Clinton	Clinton District Collegiate Inst.
Brenda Phillips	Woodstock	Woodstock Collegiate Institute
Elisabeth Pollock	Strathroy	Strathroy District Collegiate Inst.
Barbara Sampson	Oakville	Oakville-Trafalgar High School
Frank W. Tucker	London	London South Collegiate
John M. Robinson	Toronto	Lawrence Park Collegiate Inst.
John T. Runnalls	Woodstock	Woodstock Collegiate Institute
Carol Weiss	Listowel	Listowel District High School
Mary Lou Whitwill	Brantford	Brantford Collegiate-Vocational Institute.
Donald Wigle	London	London South Collegiate
William Woloshyn	London	Sir Adam Beck Collegiate Inst., London

TOTAL: 48



## SENIOR AWARDS

The following awards were held during 1960-61 or were announced during 1960-61 to be held by graduating students or recent graduate students.

<u>Name of Student</u>	<u>Department</u>	<u>Donor and Amount</u>
Bruce Ahrens	Mathematics	Canadian Mathematical Congress Award to attend the Ontario College of Education Summer Session, \$150.
Carol Alexander	Psychology	Canada Council Pre-Master's Scholarship, \$1500
Duncan Anderson	Geography	Michigan State University, \$1500 plus tuition
J.J.B. Armstrong	Biochemistry	Canadian Arthritis and Rheumatism Society, \$2400
Ruth Billingsley	English	Radcliffe University, Woodrow Wilson Fellowship, \$1500 plus tuition
Alex Blair	Geography	University of Illinois, \$1800 plus Tuition
Larry Bourne	Geography	Subarctic Institute, University of Alberta, \$1800 plus tuition
Ronald L. Buchanan	Chemistry	National Research Council, Studentship \$2200
Michael H. Carr	Geophysics	Defence Research Board, Post-Doctoral Fellowship
Peter Castle	Engineering	Athlone Fellowship for study in the United Kingdom for two years: travel costs, plus tuition, plus maintenance
Tobias Chapman	Philosophy	Canada Council, Pre-Master's Scholarship, \$1500
Thomas J. Collins	English	University of Indiana, Pre-Doctoral Fellowship, \$2500



Walter Creery	Philosophy	University of Rochester Fellowship, \$2000
Floyd H. Dean	Chemistry	C-I-L Fellowship, \$2000
Denis Deneau	Philosophy	University of Virginia, Assistantship, \$900. He went to the University of Sudbury to teach instead.
Rokus den Hartog	Physics	DuPont of Canada Scholarship to attend the Ontario College of Education \$1500 - \$2100 (single - or married)
L. L. DeVeber	Paediatrics	Mead Johnson Educational Fellowship, \$5000
Valentine Donisch	Biochemistry	National Cancer Institute Fellowship, \$4800 a year
Roman Dubinski	English	Spruce Falls Pulp and Paper Company Fellowship, \$1300
Tony Durst	Chemistry	National Research Council Bursary, \$1800
Aant Elzinga	Mathematics	Commonwealth Scholarship, in Mathematical Biophysics at Leeds University, fares, university fees, maintenance, books and apparatus, approved travel expenses, etc.
Ronald Ennis	Mathematics	Canadian Mathematical Congress Award to attend the Ontario College of Education Summer Session, \$150
George Erdosh	Geology	McGill University, teaching assistantship, \$1000
James P. Fallona	Physics	National Research Council Studentship, \$2200
Mary C. Fallona	Chemistry	National Research Council, Bursary \$1800



William Gascoigne	Geophysics	California Standard Fellowship in Geology and Geophysics, \$1000
Douglas E. Goldsack	Chemistry	National Research Council Bursary, \$1800 Ontario Research Foundation, \$1800
Andrew Grindlay	Business Administration	Ford Foundation Fellowship, \$2600
H. Heick	Biochemistry	Medical Research Fellowship, \$4200
Lewis W. Hersey	Anaesthesia	British Oxygen Canada Prize in Anaesthesia, \$500
Stephanie Hill	Music	Rotarian Fellowship for Music Study at L'Ecole Normale de Musique, Paris, \$2000
Martin J. Hillyer	Chemistry	Dow Chemical Fellowship, \$2000
George C. Hinton	Paediatrics	R. Samuel McLaughlin Travelling Fellowship, \$4500 plus expenses
Thomas A. Hockin	Business Administration	Harvard School of Public Administration, \$1700
T. Ralph Hollands	Chemistry	National Research Council Bursary, \$1800
Gail Hornby	Mathematics	London Board of Education Scholarship to attend the Summer Session of the Ontario College of Education, \$250
Murray Inch	History	C.O.T.C. Memorial Fellowship, \$600
Gerald Irwin	Geophysics	California Standard Fellowship in Geology and Geophysics \$1000
Robert J. Jackson	Political Sc.	Queen Elizabeth II Ontario Scholarship, \$2500



Allan M. Jessop	Geophysics	National Research Council, Post-Doctoral Fellowship
C. B. Johnston	Business Administration	James M. Barker (Allstate Foundation) Fellowship at Northwestern University, \$2000 a year for two years
David H. Johnston	Zoology	University of British Columbia Teaching Fellowship
Marjorie Johnston	History	Queen Elizabeth II Ontario Scholarship, \$2500
Robert W. Johnston	Physics	National Research Council, Studentship, \$2200
Reinhold Kauk	Romance Lang.	Spanish Government Scholarship for summer study at a Spanish University, tuition fees (U. of Madrid)
Nancy Kennington	Romande Lang.	Woodrow Wilson Foundation Fellowship for study at the University of North Carolina, \$1500
Donald Killinger	Biochemistry	Cairncross and Lawrence Limited Annual Award in Pharmacology \$100
Gordon Lister	Geology	University of Wisconsin graduate assistantship, \$1500
Peter W. Manuel	Physics	National Research Council Student- ship (summer only) \$800
Samuel Martin	Business Administration	Harvard Graduate School of Business Administration, \$1750
Antonia Mazan	Music	Canada Council Award for study at the Vienna Academy, \$2000
John M. MacDonald	Chemistry	National Research Council Student- ship, \$2200



Robert P. McEachran	Physics	Ontario Research Foundation Scholarship, \$1800
Peter McGrath	Geophysics	Inco Graduate Fellowship, \$2000
A.J. McNamara	Chemistry	C-I-L Graduate Fellowship, \$2000
Mary MacRae	Romance Lang.	French Government Scholarship to study at the University of Paris, \$800 (tuition fees and return trip)
Robert F. Mereu	Geophysics	National Research Council Studentship, \$2200
Alex Mikolachki	Business Administration	Graduate Fellowship of \$2000
Albert E. Millson	Chemistry	National Research Council Studentship, \$2200
Sister Miriam	Nursing	Kellogg Foundation Scholarship, \$2000
Gilles Moffett	Business Administration	Graduate Fellowship of \$2000
Mary Molloy	Nursing	Kellogg Foundation Scholarship, \$1000
Betty Morley	English	Spruce Falls Pulp and Paper Company Fellowship, \$1300
Gilles Mousseau	Romance Languages	French Government Poste d'Assistant d'anglais, \$1000, tuition and fees at nearby University (French Lycée to be designated by French Government)
Wilfred J. Newby	Chemistry	Cominco Fellowship, \$1000
Edward Norminton	Mathematics	National Research Council Bursary \$1800
Yezdi J. Patel	Pharmacology	The Ruth Knox Herman Fellowship for medical research, \$2000



Bruce Pearson	Business Administration	U.S. Steel Fellowship of \$2200 awarded but withdrawn when it was discovered that he was not a U.S. citizen. Northwestern University awarded funds for graduate study instead.
Grant Pews	Chemistry	Dow Chemical Fellowship, \$2000
Leonard Pluta	Economics	Sir Arthur Currie Memorial Scholarship, \$500
John Prothero	Biophysics	Medical Research Council of Canada Post-Doctoral Fellowship to study in London and Cambridge, \$5000 plus travel allowance
Margot Roach	Biophysics	National Research Council of Canada Graduate Medical Fellowship, \$2700 (renewed for \$4000)
Lorne Russwurm	Geography	Province of Ontario Scholarship for Study outside Ontario, \$2000; and University of Illinois Fellowship, \$1800 plus tuition.
Uldis Rutulis	Physics	Ontario Research Foundation summer scholarship, \$800
Sister St. Roch	Nursing	Kellogg Foundation Scholarship \$2000
Bernard Schoner	Business Administration	Stanford-Sloan Fellowship, \$5000
Susan Soanes	Music	Western Ontario Conservatory of Music Award, for Royal Academy of Music, London, England, \$1400.
Dora Ann Stinson	Biochemistry	Medical Research Scholarship, \$1000 for three summer months (MRC)



William Thompson	Biochemistry	Collip Medal for the most meritorious graduate student obtaining a Ph.D. degree in the Medical Sciences
H. Edward Turner	Physics	National Research Council Studentship, \$2200
Harry Van der Laan	Mathematics	Commonwealth Wcholarship for study at Cambridge, fares, University fees, maintenance, books and apparatus, approved travel expenses, married allowance
Evelyn Watts	Nursing	Kellogg Foundation Scholarship, \$2000
David Weaver	Geophysics	National Research Council Studentship, \$2200
Roy A. Wentzell	Physics	National Research Council Studentship, \$2,200
Wightman, Robert	Geography	Commonwealth Fellowship for study at Durham University, \$2400 plus travel allowance, etc.
Donald M. Wood	Business Administration	Mackenzie King Travelling Fellowship "not less than \$1500"



THE DEANS' HONORS LISTS

The students listed have obtained Grade A General Averages on the work of the 1960-61 year. Some students with I Class Honors Averages did not obtain Grade A standing on the combined Pass and Honors courses of their year.

The Faculty of Arts and Science

Affiliated Colleges

College of Christ the King and St. Peter's College

Sister M. Aletha (part-time)	Donald J. Hayek
Martin E. Carbone	Fred J. Kirvan
Richard Charrette	Ted J. Kowalsky
Jozef Denys	Paul M. McDonnell
W. Francis Dillon	John Robert Meagher
David J. Ducharme	Michael Peter Parent
Donald Dufraimont	Michael Prieur
Roger R. Emery	Richard Tremblay
Barry Fleming	James A. Wahl
James Frumau	Peter Wendling
Patrick Wm. Fuerth	Roger Yachetti
Terence A. Furlong	

Huron College

John Bassett	Murray G. Brown
Denis Brearley	Ted Palmer

Ursuline College

Sister Berchmans	Sister Perpetua (part-time)
Penelope Drennan	Sheila Mary McKeown
Helen Angela Healy	Margaret Rose Payette
Anna Theresa Jushkevich	Christine Runstedtler

College of Music

Frank J. Barrett (part-time)	Betty Anne Petz
Judith Anne Hickson	



Middlesex College

- only first year students enrolled this year

Robert Michael Aitken	Eva Marie Hurtig
Judith Allen	Karen Kearney
Carolyn Biehn	Neil McCormick
Christine Boyd	Robert K. McDermott
Margaret Joan Brown	Jean McNally
Susan Carter	Elizabeth Ann Mills
Laird Christie	Barbara Sampson
James DeBoer	Milan R. Shuster
Felix Douma	Robert M. Syer
Elizabeth Downie	Carol Weiss
Patricia Hammond	Wm. Woloshyn
Jane Horton	

University College

John Aberhart	Isobel Dennis
Carol Alexander	Allen James Douglas
Judith Anderson	Sally Anne Doyle
Sylvia Auzins	Mara Dreimanis
Robert Baguley	John Dugan
Pauline Beattie	Tony Durst
Mark Bender	Anne Elov
George Betts	Mary Catherine Fallona
Ruth Billingsley	James Farley
Charles C. Black	Charles Fauteux
John Blacklock	Gary Ferguson
Linda Blake	Ronald J. Ferguson
Larry Bourne	Joy Fonger
Linda Browne	Ronald Gadbois
Robert J. Browne	David Girvan
Judith Ann Carter	Gloria Glenister
Larry Chamberlain	Douglas Goldsack
Robert G. Clarke	Elizabeth Gultinan
Kenneth Cluley	Robert Gutcher
John Coleman	Peter Guthrie
Susan Corey	Lewis Haddad
Michael Deacon	Verla Hall
Christina de Jonge	Jane Hamacher
Paul Denham	Nancy Carol Heighton
Rokus Den Hartog	Barry Brandon Hobbs



University College (cont'd)

Mary Caroline Hodgins	Emilie Novak
Maaike Hoeksema	John Ogletree
Raymond Hollands	Elisabeth Pollock
Ruth Anne Hollands	Goldie Rans (part-time)
T. Ralph Hollands	Wesley Rayner
Michael Hollman	Robert Reader
Joan Honey	Mildred Ready (part-time)
Gail Hornby	John Runstedtler
Ross Hotchkiss	Lyle Russell
Barbara Houston	Elsie Schwandt
Richard Huffman	Wilhelm Schwarz
Alice Louise Hyatt	Steven D. Scott
Barbara Jean Jacobs	Barbara Sennewald
Murray W. James	James A. Sharpe
Tanya Johnson	Robert Sillick
David E. Jones	Joyce Simmons
Robert Jordan	Glem Simpson
John F. Jull	George Stacey
Lloyd Karges	Joah Stachow
Diane Kennedy	Norma Stanbury
Nancy Kennington	Catherine Steels
Helgi Kond	Cecile Steinberg
Alexandra Lamperd	Nora Stevens
Gordon Lister	Ruth Strangways
Peter Magee	Telf Struthers
Ann Manore	Alan Graham Taylor
Paul B. Marriage	Gordon Tebbutt
Mary McCallum	Ross Turnbull
Thomas V. McCarthy	Wiebe VanderVelde
Mary Ellen MacDonald	Ym van Dyk
Valentina McEachran	J. Phillip Walden
John F. MacPherson (part-time)	Joyce Warder
Archie McQuillan	George H. Watts
Mary Isobel MacRae	David Weaver
James McTavish	Donald Wigle
David Mennill	Diana Willis
Terrence Moore	Brian Byatt
Harry George Murray	Roderick Wing Yip
John A. Neill	and 145 students in the Extension
Paul Newell	and Correspondence Department.
Barry Noice	
Edward Norminton	



The School of Business Administration

Colin Barclay

Lorne Clark

Dominic M. DeMaio

Thomas A. Hockin

Peter Knoepfli

Garnet Pink

Jack Vincent Watts

The Faculty of Engineering Science

George Bailey

Peter Castle

G. Darrell Davidson

William R. Dukelow

David J. Fader

Robert Janssens

Gilbert Mackie

Robert Russell Marley

Arthur Marriage

John McCorquodale

Michael B. McKim

George Nelson Steels

LeRoy Van Koughnett

Ronald Yamada

Correspondence and Extension Department students who have obtained Grade A averages on the work they have done during the Winter Session, 1960-61.

Athalie Abraham

Margaret Adamson

Syward A. Baker

Helen S. Ball

Charles E. Bartlett

Hugh A. Bates

Hans Beretta

Edith M. Bexton

Carl A. Boe

Ina Bowen

J. Murray Boyce

R. Clare Brethour

Wm. Thos. Brownlee

Edna P. Bye

Clifford G. Byrnes

Sister M. Calvary

The Rev. N. Caswell

Helen Cattel

Ronald H. Chapman

C. Max Charlton

Wm. F. Colborne

Greta Cosh

Ian D. Cowie

Glenwood Cox

Gail Crocker

Lucille D'Agostino

Arthur G. Edmunds

Sister M. Eleanore

Dorothy Elliot

Edna M. Ertel

Agness B. Evans

Ann Mary Felix

Elizabeth Ferguson

Lynda Fiacconi

Sister M. Francine

Margery Fuller

Leslie E. Gee

Terttj Heloise Gibson



Correspondence and Extension Department (cont'd)

J.F.M. Girot	Jane MacDougall
John Glendinning	Jack G. McEwan
Peggy L. Hagen	Donald G. McGorman
Herbert J. Hale	George D. McKelvey
Allan J. Hall	Gay MacKenzie
A. Bernice Hall	Lorne R. MacKenzie
Richard C. Hall	A. Donald McNabb
Donald F. Harris	George S. MacPhail
D. Kenneth Hay	Grete L. McQuaid
David A. Hayes	James A. Millar
Susan Hellebrandt	W. Ian Miller
Kenneth J. Henderson	John Milne
Brian R. Heyes	Lawrence A. Mood
Alan S. Hill	Elizabeth M. Moore
Erich E. E. Holy	Maralin Munro
David E. Hopper	Sheila O'Farrell
Janet E.M. Horner	Terry H. Oliver
Irving Horton	Freda Oosterhoff
Antje H. Hulst	Robert V. Osborne
F. Whitney Humphrey	Margaret Parry
Bruce I. Hunter	David J. Payne
W. E. Huskilson	Charles D. Pepler
Paul H. Hyatt	G. Bruce Petersen
M.D. Irvine	William A. Phillips
Clare S. Jantzi	Barry Pless
Leonard J. Jarrett	Trevor Price
Mary A. Johnston	John R. Pringle
Roy E. Kari	Mildred F. Reed
Gordon Kaufman	Donald G. Richardson
Lillian Laforet	Donald Roppel
James LaJoie	Sheila C. Ross
Donald B. Leatham	Norma I. Rudy
Dorothy L. Leitch	Harry V. Ryerse
James R. Little	Sister M. St. Ann
John G. Logie	Sister M. St. Hubert
Sister Marie (Muldoon)	Sister M. St. Lawrence
Frank Martin	William J. Salter
Elaine Matthie	S. A. Sauer
Edward Mazzuca	Maxine Scragg
Thomas McAsh	Joan M. Short
Hugh M. McCullough	Ladiston M. Skube



Correspondence and Extension Department (cont'd)

W. Glenn Slade	Paul Van de Kamer
Clair A. Smith	Susanna Van Yperen
Eliane Stahl	Maurice P. Walsh
Sister M. Stephanie	Luella Watson
Carol Sterritt	Charles W. Westfall
Thomas Stonehouse	George White
Harry Stroud	John L. Wildman
J. O. Theoret	Ralph G. Williams
Dorothy Thomas	Anne N. Wilton
Paul F. Thomas	Arthur S. Woolner
Carolyn Ann Thompson	John B. Wray
Robert W. Trueman	June Yarnell
Dorothy C. Tucker	

The School of Nursing

Bachelor of Science in Nursing

Barbara Annis	Mary Margaret Murdock
Paula Armstrong	Susan Ross
June Awrey	Catherine Steels
Ruth Ball	Margaret J. Thompson
Sheila Lemmon	Marilyn Trelford
Gail McCall	Barbara Tuff
Brenda McCleary	Nancy Ward
Mary Anne McFaul	

Diploma in Nursing Service Administration

Joyce Ardiel	Adeline Makowelsky
Mary Carter	Rose Marie Mills
Isabel Hagan	Harry McDonald
Shirley Jameson	
Dawn Kingsland	

Diploma in Nursing Education

Frances Barr	Janice Dedlow
Marilyn Buttle	Thelda Smith
Ruth Dance	



The School of Nursing (cont'd)

Diploma in Public Health Nursing

Florence Adams	Anne Howson
Carol Bard	Elizabeth Johnson
Janet Boothman	Muriel Kneeshaw
Jacqueline Boulanger	Agatha Lowe
Anne Brady	Alice Morton
Betty Brush	Janet McNeil
Rochelle Cadieux	Jean Pardy
Cynthia Godbold	Katherine Randall
Mary Goodfellow	Judith Richardson
Phyllis Graham	Susan Richardson
Nancy Hammett	Marlene Scott
Violet Hands	Sandra Storey
Barbara Haynes	Phyllis Walters
Susan Hopkins	Margaret Webb

The Faculty of Law

Arthur Barat*	John F. Petch*
Charles C. Mark	Colin McNairn*
William H. Jarvis*	

\*The Dean's Honors List for Law includes all those with averages of 70% or better. Only Charles C. Mark had Grade A standing.

The Faculty of Graduate Studies

Ralph Addison	Fredric Dahms
Abad Ahmad	George S. Day
Moin U. Ahmed	Hemendra P. Desai
Michael Alexandor	Stewart Dicks
Duncan Anderson	William Kenneth Douglas
Morley Bell	Roman Dubinski
Richard Blanchard	David Foster
Douglas Brock	William H. Fuller
Judd Buchanan (part-time)	Robert Galpin
Charles A. Cline	William Gascoigne
Thomas Collins	Robert K. Gibson



The Faculty of Graduate Studies (cont'd)

Stephen Grandish	Margot Ruth Roach
G. L. Anne Graff	Robert Robinson
Paul E. Gregory	S. John Rogers
S. William Hansen	Norman Rukavina
Hans M. Heick	Lorne Russwurm
Marilyn Hacker	Neil Sadler
Fraser Isbester	Ivan Saarinen
Robert J. Jackson	James B. Samson
J. S. Jhooty	Irma Smith
Marjorie Johnston	Philip Sparling
Robert W. Johnston	Kathleen Stavrak
Kenneth Keith	Anne E. Stevens
Austina Kennedy	Sister M. Isobel
John R. Kennedy	Gordon E. Thompson
John R. Lee	Kok-Chiang Tan
Joan Lenardon	George D. Tikkanen
Fumio Matsumura	James E. Towgood
Joseph A. May	Kenneth Turnbull
Andrew McGregor	Edward Turner
Robert Mereu	Herbert Valliant
Betty Morley	Cheryl Walker
Karl E. Morgenroth	Michael Watson
Kenneth Ross Murray	Roy Wentzell
Arthur J. Paul	Robert Wightman
Kathleen Pearce (part-time)	James Thos. West
Eric Pemberton	Stephen A. Wilgar
Douglas Pinfold	W. Bruce Wilson
Francoise Pitre	James M. Wanklin
Arthur Reid	Rolf Woelfer
Joseph Reynhoudt	

The Faculty of Medicine

John Paul Anderson	James Duncan Dewar
Robert Murray Barr	Paul William Fisher
Ephraim David Burk	Donald A. Galbraith
Walter Laurence Burt	Robert J. Gardiner
Beryl Ann Chernick	David Michael Grace
Richard Lloyd Clark	Ronald Wayne Grainger
Catherine Marie Cole	Carolynne Hobbs



The Faculty of Medicine (cont'd)

Stuart Walter Klein  
Herbert Josef Manz  
Warren Patrick Mazier  
Dorothy Frances McDade  
John W. D. McDonald  
G. Edgar Meads  
James Henry Purvis

William Donald Reid  
Henry Schmidek  
Robert F. Southern  
Dora Ann Stinson  
David M. P. Thomson  
James M. Tisdale  
Charles Zaltz



PUBLICATIONS OF THE FACULTY AND GRADUATE STUDENTS  
FACULTY OF ARTS AND SCIENCE

Department of Botany

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Department of Chemistry

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- Thomas, I. M. The preparation of alkoxides and triethylsilanolates of Ti, Zr, V, Nb, Ta and Sn from the dialkylamides. Canadian Journal of Chemistry, Vol. 39, 1961, 1386 - 1388.
- Gerber, D. E. Pindar, Pythian 2.56. Transactions and Proceedings of the American Philological Association, Vol. 91, 1960, 100-108.
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## SCHEDULE OF RESEARCH FUNDS

FOR THE YEAR ENDED JUNE 30, 1961

FACULTY OF MEDICINE

<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Schering Corpn. Limited	Dr. J.H. Toogood	Allergy Research
Estate of the late Miss M.A. Aust	Dr. J. B. Collip	Arthritic Research
Can. Arthritis & Rheumatism Soc.	Dr. E. M. Watson	Arthritis and Rheumatism Research
The Am. Fdn. for Allergic Diseases	Dr. F. S. Brien	Medical Research
J. P. Bickell Fdn.	Dr. C. W. Gowdey	Central effects of climatically-used muscle relaxants
"	Dr. M.L. Barr	Studies in Experimental Cytology
Abbott Laboratories	Dr. W.E.G.A. Spoerel	Research re Anaesthesia
Burroughs- Wellcome Co.	Dr. L. Hersey	Medical Research
"	Dr. C. W. Gowdey	Medical Research
Ont. Jr. Red Cross	Dr. R.J. Rossiter	Research Professorship in Biochemistry relating to Mental Retardation
Ont. Cancer Treat- ment & Res. Fdn.	Dr. D. P. Swartz	A study of the role of chemotherapy in Gynae- cological Malignancy



<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Ciba Co. Ltd.	Dr. C. W. Gowdey	Investigation of Bradosol
Ont. Cancer Treatment & Res. Fdn.	Dr. D. P. Swartz	Clinical and laboratory studies of tumours influenced by variation in their steroid hormonal environment
"	Dr. L.S. Lott & Dr. Carol Buck	Study of the Role of Psychological Factors in the Course and Prognosis of Human Cancer
Collip Trust Fund	Dr. J. B. Collip	Medical Research
Sundry Donors	Dean, Faculty of Medicine	U.W.O. Cancer Research Project (General)
Ont. Cancer Treatment & Res. Fdn.	Prof. C. G. Drake	Investigation of the effect of Gamma Radiation on Malignant Brain Tumours
"	Dr. E. R. Plunkett	Investigation of the Endocrine Aspects of Cancer in Humans
Ont. Cancer Society (Ont. Division)	Dr. J. B. Collip	Cancer Research
Defence Research Board	Dr. C. W. Gowdey	Pilot Trial of a Quaternary Ammonium Compound in the control of Minor Upper Respiratory Infections
"	Dr. J.A.F. Stevenson	Metabolic Reactions to Dietary, Temperature and Traumatic Stresses
"	Dr. R.J. Rossiter	The Metabolic responses to cold
"	Dr. A. C. Burton	Reaction of Men and Animals to Cold & Damp



<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Defence Research Board	Dr. C.W. Gowdey	The effect of changes in Oxygen Tension on Sympatho-Adrenal and Other Systems
"	Dr. A.C. Burton	High Oxygen effects on visual function
"	Dr. A.C. Burton	Salivary secretion as index of tension-fatigue
Estate of the late Sarah E. Eaton	Dr. G.E. Hall	Medical Research
R.W. Frost, Esq.	Dr. G.E. Hall	Medical Research
Dept. of National Health & Welfare	Dr. G. E. Hobbs	Chronicity in Schizophrenia
"	Dr. J.A.F. Stevenson	Perinatal Physiology
"	Dr. C.W. Gowdey	Schizophrenia
"	Dr. G.H. Valentine	Chromosomal Patterns in Parents
"	Dr. R.A.H. Kinch	Perinatal Mortality Study
R.C.A.F.	Dr. G.E. Hobbs	A study of the personal background of pilots in fatal training accidents
Ontario Heart Fdn.	Dr. A.H. Neufeld	The study of Atherosclerosis
Dept. of National Health & Welfare	Dr. E.M. Watson	Methods of Urine Analysis
"	Dr. N.M. Lefcoe	Air Pollution
Ontario Heart Fdn.	Dr. N.M. Lefcoe	Fellowship for William Langdon



<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Dept. of National Health & Welfare	Dr. G. E. Hobbs	Senile Dementia
"	Dr. M. L. Barr	Chromosomal Abnormalities in Mental Deficiency
Ontario Heart Foundation	Dr. G. W. Manning	Clinical Cardiovascular Research
Dept. of National Health & Welfare	Dr. R. A. H. Kinch	Perinatal Mortality Study
Ontario Heart Fdn.	Dr. F. S. Brien	Fellowship for Dr. J. R. Buttiglierio
Dept. of National Health & Welfare	Dr. E. M. Watson	Connective Tissue in relation to Disease
Mrs. W. F. Herman & W. L. Clark	Dr. J. B. Collip	Medical Research Fellowship
Ontario Heart Fdn.	Dr. G. W. Manning	Cardiovascular Research
Dept. of National Health and Welfare	Dr. G. E. Hobbs	Studies in Mental Illness
Ontario Heart Fdn.	Dr. G. W. Manning	Medical Research Associatehips
Dept. of National Health & Welfare	Dr. G. E. Hobbs	Neuropsychiatric Disorders in Children
"	Dr. E. R. Plunkett	Endocrine and Metabolic Aspects of Mental Deficiency
"	Dr. N. M. Lefcoe	Study of Ionized Air
"	Dr. R. H. Pearce	Atherosclerosis Research



<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Dept. of National Health & Welfare	Dr. W.C. McMurray	Investigation of the Nervous System
"	Dr. J.C. Rathbun	Fibrinolysin and Hyaline Membranes
Ontario Heart Foundation	Dr. N.M. Lefcoe	Pulmonary Mechanics in Acute Left Ventricular Failure and Recovery
"	Dr. A.C. Burton	Spread of Heart Sounds
"	Dr. J.C. Coles	Heart Research
"	Dr. G.G. Copestake	Heart Research
Life Insurance Med. Research Fund	Dr. A.C. Burton	Research on the physics of the circulation
American Cyanamid Co.	Dr. R.J. Rossiter	Lederle Medical Student Research Fellowship
Life Insurance Med. Research Fund	Dr. K. K. Carroll	The relation of fatty acids to sterol synthesis
"	Dr. Robert Buck	The permeability of arterial and venous endothelium towards large molecules and particulate matter
Can. Life Insurance Officers' Association	Dr. N.M. Lefcoe	Research Fellowship
Eli Lilly Co.	Dr. J.B. Collip	Medical Research
Dr. A.D. McLachlin	Dr. W. Stavraky	Research Fellowship
F.K. Morrow Fdn.	Dr. G.E. Hobbs	The relation of population changes to health and disease



<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Research</u>
Sundry Donors	Dr. G.W. Manning	Dept. of Medicine Cardiovascular Research
J. McClary Memorial Fund	Dr. G.E. Hobbs	Research in Industrial Medicine
The Muscular Dystrophy Ass'n of Canada	Dr. K.P. Strickland	Medical Research
John & Mary R. Markle Fdn.	Dr. A.M. Lansing	Markle Fellowship
D.H. McDermid Memorial Fund	Dr. M. L. Barr	Medical Research
The Muscular Dystrophy Ass'n of Canada	Dr. J. J. Seguin	Fellowship for Research
John & Mary R. Markle Fdn.	Dr. D. P. Swartz	Markle Fellowship
Dr. A.D. McLachlin	Dr. J. Sweeney	Fellowship re Research
Dr. A.D. McLachlin	Dr. A.M. Lansing	Fellowship re Research
Dr. A.D. McLachlin	Dr. J.C. Coles	Research re Vascular surgery
Dr. A.D. McLachlin	Dr. C.G. Drake	Research re Cerebral Oedema
Multiple Sclerosis Society of Canada	Dr. K.K. Carroll	Experimental and clinical studies with long chain monounsaturated fatty acids in relationship to Multiple Sclerosis
"	Dr. K. K. Carroll	A controlled clinical study to evaluate the treatment of Multiple Sclerosis by fatty acids derived from the nervous system



<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Dr. A. D. McLachlin	Dr. E. G. Rawling	Fellowship for Research
Estate of late Elizabeth Moore	Dr. J. B. Collip	Cardiology Research
Dr. A. D. McLachlin	Dr. T. D. McLarty	Fellowship
Muscular Dystrophy Ass'n of Canada	Dr. J. J. Seguin	Studies of the excitability and contractility of the decentralized neuromuscular system
Dr. A. D. McLachlin	George DeYoung	Fellowship in Medical Research
Medical Research Council	Dr. J. B. Collip	Summer Scholarships
"	Dr. E. G. D. Murray	Visibility of sealed cultures
"	Dr. A. von Hochstetter	Connective tissue, its functional structure and changes due to age
"	Dr. A. D. McLachlin	A study of changes that occur in skin and subcutaneous tissue during its elevation and transfer as a pedicle skin flap
"	Dr. P. C. Fitz-James	Macromolecular synthesis in Bacillus species
"	Dr. R. H. Pearce	The metabolism of the acid mucopolysaccharides
"	Dr. H. B. Stewart	The cytological organization and metabolic properties of yeast



<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Medical Research Council	Dr.D.L. Bartelink	Anatomy and radiology of the spinal column
"	Dr.K.P.Strickland	The biosynthesis of phospholipids
"	Dr. J.B. Collip	Medical Research
"	Dr. J. B. Collip	Bacteriological Research
"	Dr. G.W.Stavraky	Responses of partially isolated structures to chemical reflex and electric stimulation
"	Dr.A.C. Burton	Investigation of the catecholamine vs amine oxidase control of blood vessel resistance by biophysical haemodynamic methods
"	Dr.P.C.Fitz-James	Medical Research Associate ship
"	Dr.A.H. Neufeld	Methods in studies of protein metabolism
"	Dr.R.G.E.Murray	General and cytological studies of bacteria, fungi and related organisms
"	Dr.C.W.Gowdey	Catechol amine levels during several physiological stresses and in certain hypertensive patients
"	Dr. M. L. Barr	Cytological tests of chromosomal sex



<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Medical Research Council	Dr.C.T.Beer	Cancer Research
"	Dr.K.P.Strickland	Medical Research Associatehip
"	Dr.C.W.Gowdey	The pharmacology of isocorydine <u>Ornithogalum umbellatum</u> and active principles of other local plants
"	Dr.J.B. Collip	Consolidated Grant for Medical Research
"	Dr.R.J.Rossiter	Biochemistry of the nervous system
"	Dr. R.C. Buck	Fine structure of spindle fibres of embryonic cells in tissue culture
"	Dr. J.H. Toogood	A comparative quantitative study of anti-whealing drugs in man
"	Dr. A.G. Ramsay	The influence of parathyroid hormone and respiratory alkalosis on ionic excretion
"	Dr.J.A.F.Stevenson	The role of the nervous and endocrine systems in the regulation of energy, water and electrolyte exchange
"	Dr. R.H. Pearce	The role of the hypothalamus in water and energy exchange
"	Dr.H.B.Stewart	Special Grant for Equipment



<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Medical Research Council	Dr. G. W. Stavraky	Special Grant for Equipment
"	Dr. E. G. D. Murray	"
"	Dr. J. A. F. Stevenson	"
"	Dr. R. G. E. Murray	"
National Cancer Institute	Dr. R. L. Noble	The influence of endocrine system on cancer
"	Dr. R. C. Buck	The ultra structure of tumour cells
"	Dr. D. P. Swartz	Medical Research
"	Dr. J. H. Cutts	Martin Ross Memorial Research Fellowship
"	Dr. R. J. Rossiter	Medical Research
"	Dr. A. C. Wallace	"
"	Dr. M. L. Barr	Nuclear structure in normal and malignant cells, with special reference to the sex chromatin
"	Dr. J. C. Paterson	Cancer Research
"	Dr. H. B. Stewart	Cancer Research
Population Council Inc.	Dr. R. L. Noble	Population study
Geigy Co. Ltd.	Dr. J. A. F. Stevenson	Miscellaneous Research in Physiology



<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Damon Runyon Memorial Fund for Cancer Res., Inc.	Dr. J.B. Collip	Cancer Research
National Science Fdn.	Dr. J.A.F. Stevenson	Influence of Hypo- thalamus on growth and development
T.&H. Smith Ltd.	Dr. R.L. Noble	Lithospermum and related plants
Col. J.E. Smallman	Dr. A.D. McLachlin	J.E. Smallman Urological Fund
U.S. Vitamin Corpn.	Dr. R.A.H. Kinch	Investigation into the prevention of placental pathology
John Wyeth & Bro. (Canada) Ltd.	Dr. J.B. Collip	Medical Research- Special
NRC & MRC	Dr. J.B. Collip	Consolidated Advance Accounts

FACULTY OF ARTS AND SCIENCE

Abbott Laboratories Ltd.	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
Alcoholism Research Fdn.	Dr. G.H. Turner	The use of hypnosis in conjunction with other forms of therapy in the re- education of alcoholics



<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
J. P. Bickell Fdn.	Dr. R. J. Uffen	Equipment Grant
"	Prof. G.H. Reavely	Equipment Grant
Chemical Institute of Canada	Dr. F.L.M. Pattison	Special Grant
Canada Packers Ltd.	Dr. F. Stiling	Humanities Research
Defence Research Board	Dr. R.W. Nicholls	Experimental Studies in aerophysics using shock tubes and spectrometers
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
"	Dr. A.W.A. Brown	Factors in attractiveness of objects to Adult <u>Aedes aegypti</u>
"	Dr. R.W. Nicholls	Band Spectral Intensity Measurements
"	Dr. A.J. Sukava	The Cathodic Deposition of Zinc
"	Dr. Eric Brannen	Millimeter electromagnetic radiation produced by high energy electron beam
"	Dr. D. R. Hay	Physics of the troposphere as related to UHF Radio Transmission
Dow Chemical of Canada Ltd.	Dr. D. C. Bradley	Chemical Research



<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
Dept. of Mines & Technical Surveys - Canada	Dr. R. J. Uffen	Magnetic prospecting
"	Dr. G. C. Winder	Microfauna of Kettle Point and Port Lambton Shales, Ontario.
Allied Chemical & Dye Corpn.	Dr. F. L. M. Pattison	Research in the field of fluorine chemistry
Dept. of Mines & Technical Surveys - Canada	Prof. G. H. Reavely	Detrital minerals in precambrian rocks of Ontario and part of Quebec.
"	Dr. R. J. Uffen	Measurement of Induced and Remanent Magnetism of Rocks in Situ
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
"	Prof. G. H. Reavely	Lake Erie Research
Mobiloil of Canada	Dr. F. Stiling	Geophysics Research
National Research Council	Dr. G. M. Boone	Quartz-feldspar phase relations in Granitic Rocks
"	Dr. P. A. Fraser	Theoretical studies in atomic collisions



<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
National Research Council	Dr. D.M.Scott	Environmental Aspects of amphibian reproduction
"	Dr. J.B. Stothers	Mechanistic studies employing kinetic isotope effect
"	Dr. J. F. King	Carbon-sulphur compounds
"	Dr. D.M. Graham	Energy transfer between electronically excited species and olefins
"	Dr. J.R. Kramer	Analysis of liquid inclusions in minerals
"	Dr. P. de Mayo	The study of Mould Metabolites
"	Dr. D.C. Bradley	Studies in inorganic chemistry
"	Dr. H.I. Battle	Embryonic responses of teleosts to vital dyes
"	Dr. W.H. Wehlau	Photometric and Spectroscopic Studies of Peculiar A Stars
"	Dr. C. Sivertz	The kinetics of free radical addition reactions to olefins and free radical induced cis trans inversion
"	Dr. A.J. Sukava	Study of cathode polarization during electrodeposition of metals
"	Dr. D.G. Wilson	Organic acid metabolism in plants



<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
National Research Council	Dr. C.J.Hickman	Studies in the biology and taxonomy of Phytophthors
"	Dr. R.J. Uffen	Postdoctorate Fellowship - Dr. Jessop
"	Dr.F.L.M.Pattison	Pharmacologically-active fluorine compounds
"	Dr. G.F.Atkinson	Studies of complex-forming reactions relevant to analytical processes
"	Dr. H. Battle	Postdoctorate Fellowship - Dr. Threadgold
"	Dr. R.J.Uffen	Research in Geophysics
"	Dr. D.G.Wilson	Organic Acid Metabolism in Plants
"	Dr. D.B.McMillan	The nature of the plasmo-blast and its formation of cytoplasmic extensions
"	Dr. F.S. Cook	Seasonal variations in carbohydrates
"	Dr. W. C. Howell	The chemistry of some aromatic and quinonoid systems
"	Dr. G.R.Magee	Expenses of Nuffield Foundation Visiting Lecturer
"	Dr.C.M Carmichael	Paleomagnetic studies
"	Dr. J. Havelka	The effect of drugs on sensory restriction
"	Dr. W. H. Baldwin	Exchange of oxygen of oxyanion with solvent water



<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
National Research Council	Dr. T.K.R.Bourns	Development of a serological test involving agglutination of antigen-coated ion-exchange adsorbents
"	Dr. W.E.McKeen	Plant pathological investigations
"	Dr. D.R.Hay	Radio path-length fluctuation near the earth's surface
"	Dr. R.W.Nicholls	A Rocket nose-cone vacuum spectrograph
"	Dr. R.W.Nicholls	Studies in molecular excitation
"	Dr.R.W.Nicholls	Postdoctorate Fellowship - Dr. Breeze
"	Dr. W. E.McKeen	Postdoctorate Fellowship - Dr. Wellman
"	Dr. D.C. Bradley	Postdoctorate Fellowship - Dr. Bains
"	Dr.A.W.A.Brown	Detoxification of DDT by resistant aedes and culex mosquitoes
"	Dr. E. Brannen	Physics research with the microtron accelerator
"	Dr. J. Blackwell	Investigation on hydromagnetic boundary value problems in vessels containing electrically conducting liquids
"	Dr.R.W.Nicholls	Studies in molecular excitation



<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
National Research Council	Dr. J. A. Fulford	Temperature Dependence of Absorption Lines in Ammonia
"	Dr. A. E. Beck	Terrestrial Heat Flow in Northern and Eastern Canada
"	Dr. R. H. Stinson	Effect of age upon the timing of the activity rhythm in the deer mouse
"	Dr. R. J. Uffen	Geophysical Investigations
"	Dr. J. H. Blackwell	Thermal Performance of Buildings and Associated Instrumentation
"	Dr. W. E. McKeen	Special Grant for Equipment
"	Dr. R. W. Nicholls	"
"	Dr. F. L. M. Pattison	"
"	Dr. W. H. Wehlau	"
"	Dr. D. G. Wilson	"
"	Dr. F. L. M. Pattison	"
"	Dr. G. M. Boone	"
"	Dr. E. Brannen	"
"	Dr. D. G. Wilson	"
"	Dr. F. L. M. Pattison	"
"	Dr. F. L. M. Pattison	"



<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Ontario Research Foundation	Dr. D. A. McLarty	Cytological investigations of simple fungi
"	Dr. J. B. Stothers	The applications of Nuclear Magnetic Resonance Spectroscopy to Organic Structural Problems
"	Dr. G. G. Suffel	Nature and origin of certain sedimentary bonded iron formations
"	Dr. R. J. Uffen	A geophysical and geological study of the Guelph Reef Structure
"	Dr. H. I. Battle	Comparative cytological and histological effects of the lampricide
"	Dr. D. G. Wilson	An investigation of the "unknown" acids in succulent plants
"	Dr. W. W. Judd	Study of the population of aquatic insects of Spettigue's Pond at London
"	Dr. E. Brannen	Injection, shaping and measurement of microtron electron beam
Ontario Food Processors' Assn.	Dr. C. J. Hickman	Research Fellowship
Ontario Research Foundation	Dr. D. M. Scott	Biology of the Cardinal
"	Dr. F. S. Cook	A study of extension and cambial growth in deciduous tree species



<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
Ontario Research Foundation	Dr. R. W. Nicholls	Laboratory Astrophysics
"	Dr. W. H. Baldwin	An attempt at synthesis of transition-metal compounds
"	Dr. W. H. Wehlau	Design and construction of a photo-electric photometer
"	Dr. T. K. R. Bourns	The behavior of Trematode Carcariae in response to different intensities and wave length of light
"	Prof. E. H. Tull	Solid State Physics Research
Public Health Services (U.S.) Research	Dr. P. de Mayo	The constitution of Griseoviridin
Polymer Corpn. Ltd.	Dr. F. L. M. Parrison	Chemical Research
Province of Ontario	Dr. G. H. Turner	Penal Reform Institutions Research
Public Health Services (U.S.) Research	Dr. A. W. A. Brown	Studies on the insecticide-resistance of mosquitoes
"	Dr. A. W. A. Brown	Studies on the insecticide-resistance of mosquitoes
Research Corpn.	Dr. D. C. Bradley	Research in Chemistry
"	Dr. P. de Mayo	Chemical constituents of Parasitic Fungi
Stauffer Chemical Co.	Dr. D. C. Bradley	Research in Chemistry



<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
J.B.Smallman Memorial Research Fund	Dr. F.Stiling	Research in humanities and social sciences
Schering Corpn. 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	"	Research on gas scintillations from ionizing radiations
"	Dr. D.C.Bradley	Research on developing methods of synthesis of new metallo-organic compounds
"	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 sulfur, selenium, or tellurium
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



<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
<u>Museums</u>		
Province of Ontario	Dr. W. Jury	Archaeological Research
<u>School of Business Administration</u>		
Sundry Donors	Dean F.W.P. Jones	Business Research
Sundry Donors	Dean F.W.P. Jones	Stanford Research Institute Research
<u>School of Nursing</u>		
W.K. Kellogg Fdn.	Prof. E. McDowell	To support the develop- ment of programs in Nursing Service Administration
<u>Faculty of Engineering Science</u>		
Estate of the late Edna E. Jeffery	Dean R.M. Dillon	Engineering Science Research
National Research Council	Prof. A.G. Davenport	Investigation of the dynamic response of tall buildings to strong gusty winds
"	Dr. W. Bulani	Polarography of fused salts
Atlas Steels Ltd.	Dr. L.S. Lauchland	Physical Metallurgy Research Fund
<u>Miscellaneous</u>		
National Research Council	Dr. J.F. Hart	Error Analysis in Matrix Processes



<u>Name of Grantor</u>	<u>Name of Grantee</u>	<u>Description of Project</u>
<u>Miscellaneous</u>		
National Research Council	Dr. G.E.Hall	Scientific Research - Special
"	Dr. J.F.Hart	Computing re Natural Science and Engineering Departments
"	"	For purchase of equipment
Ontario Research Fdn.	"	To study methods of using an Electric Computer for the Diagnostic Statistical Analysis of Sales Data