# THE UNIVERSITY OF WESTERN ONTARIO



Report of the President Academic Year 1963-1964



# REPORT OF THE PRESIDENT

# AND VICE-CHANCELLOR

to

# THE BOARD OF GOVERNORS

AND THE SENATE

For the Academic Year

1963-64

The University of Western Ontario London - Canada

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# REPORT OF THE PRESIDENT AND VICE-CHANCELLOR

to the members of The Board of Governors and the Senate 1963-1964

Ladies and Gentlemen:

It is only natural that one of the great concerns of the University continues to be the rapid and indeed the dramatic growth of university student enrolment in this Province. This tremendous growth during the past few years has been met, firstly, by the very significant expansion of the older Ontario universities and, secondly, by the establishment of new universities and colleges within the Province.

It is important that we recognize the fact that it was the expansion of facilities and staff in the older universities which made it possible for undergraduate enrolment in Ontario to increase by 60% in the past five years and for graduate enrolment to increase by 100% in the same period. The older universities recognized the problems which faced the Frovinces as a whole, accepted added responsibilities, acted swiftly in changing their own previous policies and plans and shortly opened their doors for thousands of additional students who otherwise might well have been denied the opportunities of higher education in this Province.

In this critical period the universities worked closely with the University Affairs Committee with understanding and with dispatch.

At the same time as the older universities were expanding the

younger and smaller universities likewise entered a period of rapid growth. Such developments assisted materially in providing an everincreasing number of university student places. But it was apparent to all that the major expansion of the older universities and the growth of the smaller universities still could not meet the demands for higher education even to the end of the 1960's. Additional universities and colleges would be required. Such institutions have been organized and collectively will soon be playing a major role in the field of higher education in Ontario. Not only will they be admitting thousands of new students but they will at the same time relieve some of the continuing pressure on the older universities.

An additional factor of major significance during the next ten years could be the establishment of the community colleges as recommended by the Grade 13 Study Committee in its recent report to the Minister of Education. If these are proceeded with not only would they meet a great need in our overall educational programme, but they could also do much to alleviate some of the problems otherwise to be faced by the universities of Ontario.

Of special importance in considering the need of facilities for higher education is the fact that such a high proportion of the total population of the Province is to be found in the very rapidly growing metropolitan area of Toronto. The development of Scarborough College, of Erindale College and the vast expansion of York University and of the University of Toronto were therefore as essential as they were urgent.

Only the recognition of the impending problems of increased demands for university education by the Provincial Government, the several universities and the general public could have resulted in such a concerted effort as is being experienced in Ontario today. The combined plans of the universities when completed, some by the '70's, the rest in the '80's, will provide accommodation for some 150,000 undergraduates and more than 20,000 graduate students. Incidentally, these potential numbers of places are actually in the range of the most recent projected enrolment figures for the 1980's.

Thus it is that the mounting student enrolments predicted over the next ten to fifteen years can be accommodated in the now existing universities and colleges if the funds continue to be made available for the necessary planned capital construction, if the annual grants are adequate to meet the operating costs involved and if the numbers of faculty members required are available. These three "if's" are the three keys to the success or otherwise of the Province's vast programme of providing the opportunity of a higher education for all who have the ability and the desire to take advantage of such an opportunity.

A closer look should be taken at these three "if's".

At the present time it is well recognized that a second Faculty of Dentistry must be established at one of the universities in this Province. That it should be established at a university which presently has a Faculty of Medicine is generally accepted. Realizing, however, that each of the universities is already committed to a very major expansion programme, the university which does agree to establish such a new Faculty cannot possibly accept that new responsibility without assurance that the full capital costs and adequate operating costs will be provided and without prejudice either to the existing capital programme or to the current and future operating grants.

Furthermore, and I am using Dentistry simply as an example, when, following careful and realistic study of the many factors involved, e.g. the number of undergraduate and graduate students, the number and type of laboratories and lecture rooms, the number of staff and staff offices, reading room and library facilities, the amount and type of equipment required, etc., estimates of the capital costs have been prepared it would be folly on the part of any Government to indicate that it was prepared to support the project, say, to the extent of 90% of the cost or to a maximum, say, of \$3.5 million.

The cost of such a new facility, if x number of students and adequate research space are to be provided for, will be, and I am only using this as an example, about \$4 million. Decreasing the capital grant by \$500,000 simply means that the building will have to be smaller and that fewer students will be provided for. But this is not the object of establishing such new facilities. The object of a new Faculty of Dentistry is to provide more dentists to help meet the needs of the people of the Province of Ontario.

And when the current operating budgets are prepared, again carefully and with full appreciation of the total mounting costs of higher education, the added costs of operation of the new or expanded facility must be admitted by the government and recognized in its grant to the university. Similarly if the operating budget of a university, because of increased costs, added staff, more students, more research, more graduate students, etc. increases by 20% over the year before, an increased grant of 12% is just not adequate and the university and its standards suffer. Increased student fees cannot make up such a difference. But this again is not the object. It would be better to have fewer good universities adequately supported than to have more universities which through inadequate support become mediocre or even downright second rate. Then we would really see a "brain-drain" both of good students and good staff out of the Province.

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I have mentioned these two "if's", not that they will likely occur but simply so that we will not lose sight of the possibility of such things happening. There is another point, too, which I wish to mention and which has a direct bearing on what I have just been saying. It deals with ancillary facilities which are so fundamental to a university.

As we enter the year 1964-65 we will have about 6,200 students in the whole university, in 1965-66 there will be about 7,500, and by 1968-69 almost 10,000. In addition there will be (1964-65) 413 fulltime members of staff (not counting the Affiliated Colleges). This number will increase to over 725 by 1968-69. When the number of secretaries, technicians, library assistants, clerks, etc., is added the numbers on the campus by 1968-69 will be in the neighborhood of 12,000 - a small city in itself.

Of the students, over 80% come from homes outside the City of London. Most of them live in private homes within the City. Many of them are not provided with meals in those homes. And only a few of the students who do reside in London can go home for lunch.

The university therefore must provide dining and cafeteria facilities for very large numbers of persons all of whom are part of the active university. Breakfast, lunch and dinner must be served for many; lunch for almost all. The provision of such facilities is as vital to a university as it is essential, particularly to one such as Western where such a high percentage of the students are "from out of town". I feel that the general health of the students is enhanced by having available to them reasonably good food at reasonably low prices.

As the university increases in size the food services facilities likewise will have to increase and with the ever-increasing overall financial load borne by the student I would sincerely hope that costs of capital construction for food services facilities will not have to be amortized and the carrying charges passed on to the students. This I am convinced would be an added financial hardship on the student which could only result, in the end, through inadequate nutrition in an

increased incidence of illness on the part of the students.

The same general type of concern should be expressed about residence accommodation and the essential part which it plays in the total university picture. Although I have stressed this point before in one of my previous reports, I do so again here to emphasize a growing and difficult situation.

Once again let us remember that very soon we will have more than 10,000 students attending Western. It may be anticipated that the percentage of these students coming from "out of town" will remain about the same (80%) as is the case now. Where are 8,000 students going to find reasonable living accommodation at reasonable costs and within reasonable distance of the university?

If 10 to 12% of the students are married and must find special types of accommodation there are still about 7,000 single students many of them away from home for the first time, many of them 17, 18 and 19 years of age, and many of them young women - who must seek and find living quarters while attending university.

At the present time the total residential accommodation within the university is as follows:-

### University

Spencer Hall	Women	104
Medway Hall	Men	300
Sydenham Hall	Men	300

#### Affiliated Colleges

Huron College	Men	200
	Women	100
Brescia College	Women	120
St. Peter's - C.K.C.	Men	110

To these may be added, for practical purposes, the 230 places in Westminster College and 300 places provided by the Fraternities and Clubs which have their own private quarters. Of this total of 1,764 available places the University owns and operates only three residences -Spencer, Medway and Sydenham, which together can house 704 students.

Many students of course, particularly those in their senior years, would not wish to live in university residences even if such accommodation were available. But if 75 to 80% of all freshmen, 40 to 50% of all second-year students, and even 20 to 25% of upper classmen were to be accommodated in University residences, some 1,400 additional places for undergraduate students would have to be provided, and of course the capital costs are very great indeed.

Up to the present time the capital costs of residences have not had to be amortized. The students living in residence have, through their residence fees, borne the full operating costs, including maintenance, of each residence, but not the capital costs. Such a practice has permitted students, particularly first-year students, from many different regions, with many different backgrounds and with many different interests to come together and share in a very important educational experience at a reasonable cost.

If it becomes necessary in providing additional residential accomodation - which is considered to be of great importance - to amortize a major part of the capital costs, such additional charges will have to be borne by the students through a major increase in residence fees. Such an increase could have several deleterious effects: (a) it could prevent some needy students from residing in residence or it would place added demands on student-aid programmes; (b) it could have a secondary effect on other students living in rooming houses or in private homes through a corresponding general increase in the cost of "room and board"; (c) it could as a result of either or both force some students to seek lower-cost accommodation in less desirable or inadequate places.

The provision and financing of residential accommodation is therefore of great concern to the students. It is, as well, of concern to all of us who would hope to see an increasing percentage of the students having the opportunity of sharing to the fullest possible extent total education within the university. I hope, therefore, that the University Affairs Committee will be understanding in this connection.

Planning for the major increases in undergraduate and graduate student enrolments presents constant problems which have to be met on a programmed basis. Plans which have been made on the most factual information available suddenly are rendered invalid by the introduction of a new course of studies, a change in the basic educational programme, the advent of a new Faculty or School or College, the interest in interdisciplinary studies, the changing "popularity" of various disciplines, etc. All of these and other factors tend to complicate the scheduling of the new physical facilities required and necessitate additions and alterations to existing buildings at relatively short notice.

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The urgent need on the part of several departments for more space one, two or even three years before such space can be provided has produced much overcrowding, but this difficulty as well as the many other difficulties inherent in a rapidly growing and changing university could not have been met had it not been for the understanding and cooperation of the many members of the Faculty.

The recruitment of staff remains a constant concern and anxiety of Heads of Departments, Deans and Principals. Not only do they find replacements for those who retire and for those who leave to take other positions, but they also recruit, after days and weeks of strenuous searching and negotiating, the many new members required for the teaching of the hundreds of new students who enter the university and swell its enrolment. The efforts and the care which the Heads of Departments have expended and exercised in the recruitment of Faculty members has been great indeed.

Through such efforts and care and concern the Faculty of the university is maintaining and even enhancing the standards and stature of the university. This is difficult to do under normal conditions; it is almost impossible to do under the conditions of rapid expansion which we have been experiencing. Yet, difficult as it is, it is being done - and well done too.

Each year we are all saddened by the loss through death of several members of the university family. We extend to the surviving members of their families sincerest sympathies and at the same time acknowledge their many contributions to their university.

> Professor Kathleen Mary Parlow, Head of the String Department, College of Music, 19th August 1963.

Dr. Jessie Josephine Bittner, former full-time Lecturer in the Department of Bacteriology and Immunology, Faculty of Medicine, 25th August 1963.

Dr. James Thornley Bowman, D.S.O., M.D., graduate of the Medical Class of 1913 who had served on the Board of Governors

as an Alumni representative for five years prior to 30th June, 1958. 17th October 1963.

O. Roy Moore, Esquire, an old and valued friend of the University whose contribution to the architecture of the University prior to his retirement on 31st December, 1958, from O. Roy Moore Associates, will be a permanent memorial. 10th March 1964.

Mr. Amos H. Jury, in his 103rd year, who had been the first Honorary Curator of the Museum of Indian Archaeology, and was followed in that office by his son, Dr. Wilfrid W. Jury, the present Honorary Curator. 22nd March 1964.

Dr. W. George Sumner, former instructor in Paediatrics in the Faculty of Medicine, 19th April 1964.

Dr. Arthur William Smith, outstanding athlete devoted to the development of athletic programs to encourage physical fitness in young men and women. Dr. Smith was a strong force on the Stadium Committee for many years and was one of the prime sponsors of Alumni representation on the Board of Governors. 28th May 1964.

Mr. John Gilchrist, Blenheim, Ontario, Kent County Council representative on the University Senate from 1957 until his death in November, 1963.

Mr. J. F. Beattie, Guelph, Ontario, Wellington County Council representative on the University Senate from 1959 until his death on 7th December 1963.

Each year sees the retirement of several members of the University. To each of these I extend, both personally and on behalf of all of their colleagues, my heartfelt thanks for their years of service, for their devotion and for the many responsibilities which they have assumed on behalf of the University. Their work and their influence are expressed through the students and others who have been their beneficiaries.

As I express very sincere gratitude to all who have retired this year, I wish to mention especially the name of the Honourable Ivan C. Rand, the retired Dean of the Faculty of Law. Coming to Western from the Supreme Court of Canada, eminent and distinguished as he was, Mr. Justice Rand, as the first Dean of the new Ficulty, has had a tremendous impact not only within his own Faculty and on his own students but on the university as a whole. His influence and his name will always be remembered.

Again this year many members of the Faculty were recognized for their contributions in research through awards of national and international significance. Many, too, were elected to high office in the learned societies. Many received recognition through appointment as special guest professors or as guest lecturers in various university centres throughout the world. To these eminent scholars and scientists I express sincere congratulations. At the same time, I hope that cognizance will be taken of the very significant contributions which many, many other members of the Faculty are making in the search for truth, the advancement of knowledge, and the dissemination of knowledge. Reference to the list of publications will assure you that scientific and scholarly research goes hand in hand with undergraduate and graduate teaching.

May I, in presenting the President's Report for the year ending 30th June, 1964, express my personal appreciation and sincere thanks to all of my colleagues within the whole university, to the Federal, Provincial and Municipal Governments which assist the University so materially, to all of the associated Hospitals and other teaching agencies which provide essential teaching facilities, to the Alumni for their constant interest in their University, to Canadian Business and Industry for their tangible concern for the University and to the many private benefactors of Western. To all of these individuals and groups I am especially indebted. They have assured the strength and health of the University and made my task easier.

I urge you to read the individual reports which follow. They present the most pertinent information about the many facets of the university and bring to your attention the major developments which have taken place during the year 1 July 1963 to 30 June 1964.

Respectfully submitted,

G. Edward Hall, President and Vice-Chancellor.

#### THE UNIVERSITY SENATE

Report of the Secretary - J. K. Watson

The Senate of the University of Western Ontario met four times in 1953-64: October 31st, 1963, January 10th, February 14th and May 26th, 1964. Average attendance was seventy-five percent of the appointed membership.

The deaths of two valued members of the Senate are recorded with regret: Mr. J. Gilchrist of Kent County Council, and Mr. J. F. Beattie of Wellington County Council.

During the year the following retirements occurred: Mr. E. I. Birnbaum, Professor F. W. P. Jones, Mr. F. Norwood, Mother M. Marie, Dr. G. H. Ingham and Mr. L. L. Sinclair. New appointees to the Senate were: Mother M. Dominica, Brescia College; Mr. J. B. Chick, General Alumni Association; Professor W. J. L'Heureux, University College; Dean J. J. Wettlaufer, School of Business Administration; Dr. W. M. Gilmore, Stratford City Council; Mr. F. T. Egener, Owen Sound City Council; Canon A. B. Thomas, Huron College Alumni; Mr. F. E. Johnston, Wellington County Council; Mr. Sherman Brown, Kent County Council; and Mrs. W. D. Smith, London Board of Education.

The Executive Committee of the Senate, with membership of nineteen, met four times. Course and program changes were approved by the Committee in the following Departments: Biology, Chemistry, Classics, Economics and Sociology, English, Geophysics, Geography, German, History, Home Economics, Journalism, Philosophy, Fhysics, Psychology, Pure and Applied Mathematics, Romance Languages, Russian, and Zoology. Course changes were also approved in the College of Music, the Faculty of Engineering Science, and the Faculty of Graduate Studies.

New Programs established by the Senate were a Four-Year Honors Program in Computer Science leading to Bachelor of Science degree, and a Four-Year Honors Frogram in Music leading to Bachelor of Music degree.

The Senate revised requirements for the General Arts degree, reducing number of required courses from seventeen to

sixteen, in both Program I and Program II. The intent of the revision was to provide opportunity for study in greater depth in the student's area of concentration.

The Senate reviewed the past and present "Fre-Medical Frogram", and resolved that the prerequisite for admission to the Faculty of Medicine should be two years of a Science background, or a Bachelor of Arts degree with specified natural science courses.

The Adult Special Student Admission regulation was modified so that applicants with teaching experience who could not meet age qualifications of the former regulation might be admitted under specified conditions of aptitude examinations and probational achievement.

The Committee on Secondary School Liaison conducted a Principal and Guidance Officers Conference in November, 1963. Representatives from seventy schools attended, and requested the University to repeat the Conference in the fall of 1964. The Grade 13 Lecture Series was incorporated as part of the work of the Committee, which includes also the supervision of activities of the Purple Spur Society and the Canadian University Student organization as they apply to the secondary schools. The one-day program of the Free Press Leaders' Club was also brought under the sponsorship of the Committee.

An Honorary Degrees Committee was established by the Senate, for the purpose of considering the qualifications of applicants for honorary degrees before presentation to the Senate.

Revisions in academic regulations of the Faculty of Arts and Science were made in the following areas: beginning a foreign language, English as a second language, extra courses, unsatisfactory knowledge of English, special and supplemental examination privilege, admission to and progress within Honors Programs, and failed year.

The 190th Convocation of the University was held on November 1st, 1963, and the 191st Convocation in four periods on May 27th, 28th, 29th and 30th, 1964. At the two Convocations, degrees were conferred on 1,006 undergraduate students, 217 in Honors Programs, and 789 in General Programs, and 258 in Professional Programs. Degrees were conferred on 176 students of the Faculty of Graduate Studies, and 7 Honorary Degrees were conferred. Diplomas were awarded to 184 students.

#### THE REGISTRAR'S DEPARTMENT

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Report of the Registrar - J. K. Watson

The need for expansion in the Office of the Registrar, in personnel, equipment and space, was evident in 1962-63. During the last 12 months in our effort to grow into an efficient nervecentre for a large university, the support of the Board of Governors and the invaluable counsel of F. H. Rowland and R. B. Willis have been deeply appreciated. The understanding, cooperation and patience given to the staff by Faculty and students in our growing pains have been outstanding.

The emphasis on university admission is a sociological element of the mid-sixties. The establishment of an Admissions Department within the Office of the Registrar in the spring of 1963 has been amply justified in the past year. The statistical report of the Admissions Officer underlines the phenomenal value that society now places on post-secondary school education. It is possible that full-time enrolment in the whole University of 9,000 students may be reached earlier than the estimated date of 1970.

Public acknowledgement of the value of university training has altered public financial support of students, as well as of the institutions themselves. One of the recommendations of the Senate Principal - Guidance Officers Conference was that Western should offer more Admissions Scholarships. The need on a provincial level was recognized in the announcement in the spring of 1964 that a scholarship fund would be supplied to each University for September 1964 applicants to Ontario universities.

#### Admissions

For undergraduate admission to the constituent University for the 1963-64 sessions, 4,000 applications were processed. Of this number, 1,889 new students were admissable and, of these, 1,387 (73.5%) registered in intramural programs.

During the winter months the Admissions Officer, Mr. G. L. Amyot, attended and addressed student-parent gatherings in 16 secondary schools, in central as well as southwestern Ontario.

The Admissions Officer acted as Secretary to the Admissions Committee at 44 meetings throughout the year. He compiled the data for 1,273 cases, for presentation to the Committee.

Scholastic aptitude tests for teachers seeking admission to the University under a Senate Regulation of February 1964, were held weekly in May and June, for the Summer School 1964 Session. 269 applicants took the examination, and 120 were admitted to programs on probation, as determined by the Regulation.

Data accumulated during the Spring and Summer of 1963, concerning numbers of qualifying and non-qualifying applicants for university admission, and numbers of admissable applicants not registering, indicate a wastage of effort for Admission personnel, in processing applications. A similar pattern has been observed at other Ontario universities since 1960, and a conference of Registrars and Admission Officers was held in the winter to consider means of preventing the evil of multiple-application. Some conclusions and recommendations were reached on a temporary basis, pending clarification in the next few years of Ontario schoolleaving policy.

#### Associate Registrar

The Senate revision of the Faculty of Arts and Science academic regulations, and its revision of degree requirements, to take effect July 1st, 1964, were applicable to the results of the spring examinees, except for those of the graduating class. Since the revisions covered the areas of admission to and progress within Honors Programs, supplemental and special examination privileges, and areas of interest for 2nd and 3rd year General Programs, the work of the Associate Registrar was immeasurably increased at the end of the year, interpreting the new regulations to individual cases.

The Associate Registrar, Miss May, is the Secretary of the Academic Standing Committee of the Faculty of Arts and Science, and compiles for submission to the Committee all student petitions. Students petition for course substitution within programs, program shifting, aegrotat standing, special examination privilege, and consideration of sub-minimal standing for graduation. During the past year, 692 petitions were presented to the Committee at 24 meetings. - 5 -

Miss May is also a member of the Admissions Committee, in the capacity of a specialist in evaluating advanced standing and certificates of transferee applicants and foreign students.

## Examinations

The scheduling of periods for the final spring examinations was formerly done manually in the Office of the Registrar. In 1963 and 1964 the detail had become enormous, and the scheduling was prepared by electronic data-processing.

During the past two years, Miss Catherine Ridley, Registrar of Huron College, has prepared a "Permanent Examination Time-Table" which will be used for the first time in 1965, and from which the students will be able to prepare themselves during the winter, for the pressures of the spring.

The University is deeply indebted to Miss Ridley for a monumental and extraordinary piece of work.

In the Spring Examinations of 1964, in the Faculty of Arts and Science alone, papers in 439 undergraduate courses were written by 5,389 students.

#### Records

A beginning has been made towards the ultimate transition to electronic data-processing. It is hoped that by 1965-66, sessional registration, class cards and lists, vital statistics, and attendant headaches of the Records staff will be efficiently processed by automation.

As at July 1st, 1963, there were 23,014 graduates of the

University. The 190th and 191st Convocations brought the number up to 24,645. New students entering the 1963 Summer School were 280, new intramural students for the winter session for the whole University were 2,195 and new students in Extension and Correspondence in 1963-64 were 314. From the work-load viewpoint of Records, 2,789 new students entered the machinery.

Requests for transcripts continued unabated and 8,571 were handled during the year.

#### Statistics

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The statistical summaries, found in the appendices to this report, include the standard ones of student registration and vital statistics. There are others included also, summarizing a few areas of student academic achievement, some of which are continuations of former summaries, and some the beginning of new studies. Many areas for statistical study have suggested themselves during the year, and it is hoped that with the increased staff the importance of the statistical work of the Office of the Registrar may be stressed.

#### OFFICE OF THE COMPTROLLER

Report of the Comptroller - R. R. Glover

It is a pleasure to present herewith a review of the financial operations of the University for the year ended 30th June, 1964. The figures included in this commentary are taken from the University's accounting records which have been verified by its Auditors, Clarkson, Gordon and Co.

#### Revenue

Revenue from all sources amounted to \$11,178,838, an increase of over two million dollars, or more than 23% over the previous year. Student fee revenue increased substantially due to the increased number of students, but expressed as a percent of total educational and general revenue, it declined from 31.5% in 1962-63, to 29.5% in 1963-64.

Grants from the Province of Ontario on the other hand, increased both in amount and in percent. The Provincial Grant for operating and maintenance purposes was increased by \$650,000 to \$2,300,000, (of which \$2,293,750 was actually received during the year), an increase from 21.0% to 23.9% of revenue and in addition a special grant of \$375,000 was received toward the expenses of the Expanded Graduate Studies Programme.

The amount received from the Federal University Grant, \$1,514,386, although greater by almost \$58,000, declined by \$37.00 per student from \$360.00 in 1962-63, to \$323.00 in 1963-64. A further decline will be inevitable unless the present grant of \$2.00 per capita of general population is increased, as the total number of students is increasing at a faster rate than is the total population on which the grant is based.

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The amount applied from the recently increased annual grant from the City of London remained constant at \$75,000. A similar sum was credited to the Capital Funds Account by resolution of the Board of Governors.

The following schedule shows in monoury form, the distribution of revenue and expense for the year, with comparative percentages for the provides year (cours on ad) - The figures are presented in the

#### Expense

By far the largest part of the University's ordinary and general expenditure was for academic instruction and for research, with over 84% being spent for these purposes. Notwithstanding the increased burden placed upon the Administrative Departments, the proportion expended in this area remained almost constant at 3.4% and the percentage for the operation and maintenance of physical plant decreased from 9.8% in 1962-63 to 8.6% in the current year.

#### The Net Result of the Year's Operations

The impact of a much larger increase than anticipated in student enrolment with its attendant financial implications, is reflected in the net operating deficit of \$46,894.19. However, as unwelcome as the deficit may be, the University may justifiably take pride in having successfully provided places and instruction for 673 additional students above the enrolment of the previous year, an increase of over 16%, and of these, 352 had not been expected when the plans for the year were prepared. To have provided space, staff, equipment and supplies for this unexpected increase in enrolment with only a modest deficit of less than half of 1% of total expenditure required the utmost of economy, as well as the sincere cooperation of all members of the staff, both of which are hereby gratefully acknowledged. Comparative figures for the previous five years are given below:-

Years ended 30th June	Net Operating Results
1963	\$ 4,076.89 Surplus
1962	2,972.44 "
1961	4,432.50 "
1960	2,797.15 "
1050	12 545 25 11

#### 17.57 15, 545, 45

Surplus

The accumulated surplus on operations was decreased by \$46,894, the excess of expenses over revenue for the year and now stands at \$22,175.

Comparative Statements of Revenue and Expense

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

	196	3-64	1962-63
Revenue	Amount	% of Total	% of Total
Student Academic Fees Gifts for General and Specific	\$ 2,829,597	29.52	31.54
Operating Purposes Receipts for Services to	57,185	. 60	.77
Outside Organization, etc.	316,426	3.30	3.68
Miscellaneous	38,052	. 40	.73
Endowment Income	96,794	1.01	1.19
Government Grants for Operating			
Purposes:			
(a) General:-			
Federal \$ 1,514,386			
Provincial 2,293,750			
Municipal 75,000	2 002 12/		
	3,883,136	40.50	40.56
(b) Specific:-	275 000	2 01	2.0
Provincial	375,000	3.91	. 38
Sponsored or Assisted			
Research Funds			
Government -			
Federal 982,700			
Provincial 69,046			
Municipal -			
Corporations 154,401			
Foundations,			
Associations,			
etc. 508,145			
Individuals and			

Bequests	10,352
Endowments	40,211
Other Sources	225, 344

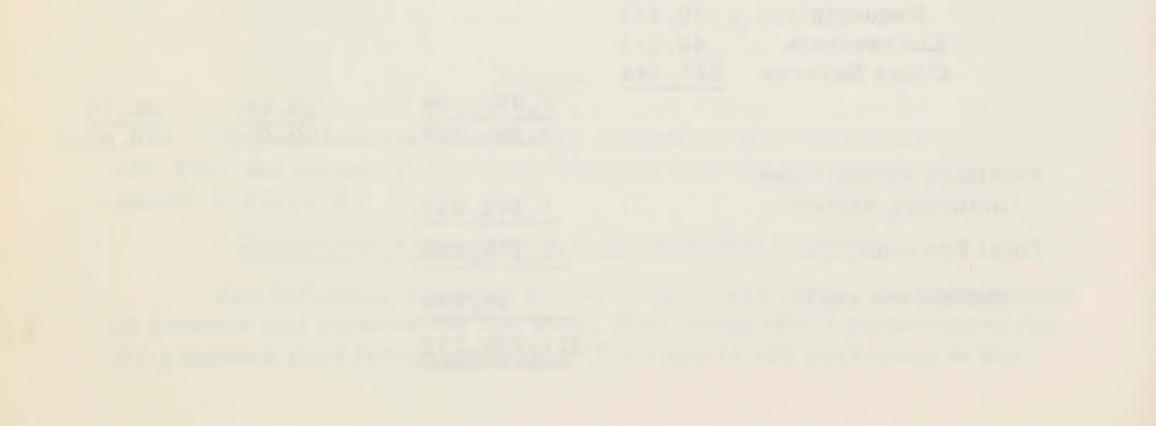
1,990,199	20.76	21.15
9,586,389	100.00	100.00

Ancillary Enterprises including Athletics Total Revenue Deficit for year

<u>1,592,449</u> <u>11,178,838</u> <u>46,894</u> \$11,225,732

	1963	-64	1962-63
Expense	Amount	% of Total	% of Total
Instruction Assisted Research	\$5,940,176 1,990,199	63.35 21.23	61.78 21.78
	7,930,375	84.58	83.56
Administration Plant Maintenance	323,683 803,816	3.45 8.57	3.33 9.79
Scholarships, Bursaries and Priz Miscellaneous		. 24 3. 10	. 25 2. 99
Net Deficit on Ancillary Enterpris		. 06	. 08
including Athletics	0.025,125,0		100.00
Extraordinary Operating Expenses Ancillary Enterprises	\$9,376,468 256,815	100.00	100.00
including Athletics \$1,598,178 Less Net Deficit 5,729			
	1,592,449		
Total Expense	\$11,225,732		

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#### Research

In accordance with the previous practice, the Operating Statements include the amounts applied from research grants in aid and from contracts and as well, the actual expenditures on research during the year. Reflecting the sharply increased tempo of research gross expenditures increased by more than 20% over last year to reach an all-time high of \$2,012,429.04. Comparative figures for the previous five years are as follows:-

Years ended	Gross Expenditures
30th June	for Research
1963	\$1,669,188.58
1962	1,525,119.05
1961	1,142,912.39
1960	986,716.25
1959	853, 554. 28

The distribution within the various Faculties and Schools of the total expended on research during the year is as below:-

Faculty or School etc.	Gross Research Expenditures	% of Total
Faculty of Medicine	\$ 986,215.52	49.0
Faculty of Arts and		
Science	803,525.11	39.9
School of Business		
Administration	106,009.32	5.3
Faculty of Engineering		
Science	44,935.89	2.2
School of Nursing	31,598.21	1.6
Museums	13,468,02	. 7

Miscellaneous

26,676.97 1.3

100.0

Total \$2,012,429.04

Ancillary Enterprises

The growth of the University was also reflected in the ancillary enterprises which provide the essential services of housing, feeding, and the selling of books and supplies to the students. While revenue from these operations reached the impressive total of over \$1,450,000, it must be remembered that in the University environment, such services are operated at close to a break-even point and for the benefit of the students rather than for substantial profits. The Food Services, which operated four units for the general student body, as well as dining rooms in the three residences, increased its sales by 9% over the previous year, and ended the year with a net profit of \$953.00. The three residences operated at a modest surplus, due largely to the high level of summer occupancy by special groups, while the Book Stores showed an increase in sales of 12% over 1962-63.

#### Physical Plant

This was a year of intense activity in planning for additional facilities and in the actual construction of new buildings. Expenditures on new construction reached a total in excess of \$4,000,000, as the building programme hit its stride. Following is a summary of buildings and related projects completed, in progress, and in the planning stage.

(a) Projects Completed During the Year Ended 30th June, 1964

		Estimated Final Co		
Middlesex College Additions	\$	690,000		
Additional Boiler capacity		237,000		
Greenhouse Addition		37,000		

(b) Projects Begun During the Year Ended 30th June, 1964

Estimated Cost

st

Medical Sciences Building Chemistry Building Biological and Geological Sciences Building Additions College of Music Addition Natural Sciences Centre

\$5,500,000 3,115,000

2,725,000 94,000 1,758,000

# (c) Projects for which Planning was Well Advanced by 30th June, 1964

Expected Date of Commencement

Talbot College (Third Arts College)

October 1, 1964

Rehabilitation of the Physical and Chemical Sciences Building

Spring, 1965

Somerville House Addition Mar

March, 1965

Alumni Hall (Examination Hall, Auditorium, etc.) March, 1965

Second Women's Residence March, 1965

The value of Land, Building, Equipment and Furnishings at cost reached a total of almost \$29,500,000, with an estimated replacement value of at least \$35,000,000.

The estimated cost to complete projects in progress at 30th June, 1964, was approximately \$9,380,000.

#### Financing of the Capital Programme

Contributions continued during the year to the Western University Fund 1963, and by 30th June, 1964, a total of \$6,729,844

had been pledged, of which \$2,754,249 had actually been received. Solicitation is still continuing in an effort to reach the original objective of \$7,200,000. At the date of writing of this commentary (September 9th), less than \$300,000 remains to be obtained. The Alumni of the University have made an outstanding contribution which it is expected, will be at least \$1,000,000 when all commitments are known. As of 30th June, 1964, \$804,915 had been pledged.

The City of London continued its support of the University through the annual grant which was increased to \$150,000 in 1963, one half of which was placed in the Capital Funds Account. Seven counties of Western Ontario also made grants for capital purposes.

The Province of Ontario substantially increased its capital grant from \$2,000,000 to an all-time high of \$3,500,000 and as well, gave assurance that the increased grant would be continued in at least the same amount for two further years.

The establishment of the Province of Ontario Capital Aid Corporation to finance University construction through the medium of debentures will change materially the previous pattern of Provincial capital support. It is expected, however, that it will provide for greater continuity of policy and facilitate longer range planning by the Universities.

#### Student Enrolment

Although enrolment statistics are usually included in reports emanating from the Office of the Registrar, it is of interest to include in this report a summary of enrolment by Faculties and Schools because of the financial implications involved. Accordingly, the following schedule shows enrolment for 1963-64 with comparative figures for the previous year.

Full Time Intramural (as of 17th October)	Student Enrolment	
	1962-63	1963-64
Faculty of Arts and Science	2867	3426
Faculty of Medicine	262	274
School of Nursing	183	201
Faculty of Engineering Science	209	252
Faculty of Law	120	142
College of Music	56	76
School of Business Administration	349	348

Total, full time students	4046	4719
Extension and Summer School, etc.		
Extension and Summer School (Credit		
Courses)	2262	3104
Management Training Course	113	120
Marketing Management Course	90	99
Trois Pistoles Summer School	148	146

## Student Fees

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In spite of increased costs no change was made in the fee schedules from 1962-63. In view of the deficit which resulted, however, it has become necessary to increase fees for the coming year, as have all other Ontario Universities. The increase at this University will be approximately \$50.00 per student. It is expected that due to the substantial increase in Scholarships, Bursaries and Loans being made available by the Province of Ontario, the Government of Canada and by other sources, no qualified students will be prevented from attending for financial reasons.

#### Staff Benefits

A constant concern of the Board of Governors is the provision of adequate retirement and other benefits for the members of the University's staff. In order to meet the heavy costs of supplementary retirement annuities which will occur in the coming decade as many long-service members retire, provision has been made as in recent years for the funding through the Operating Budget of a reasonable portion of such cost.

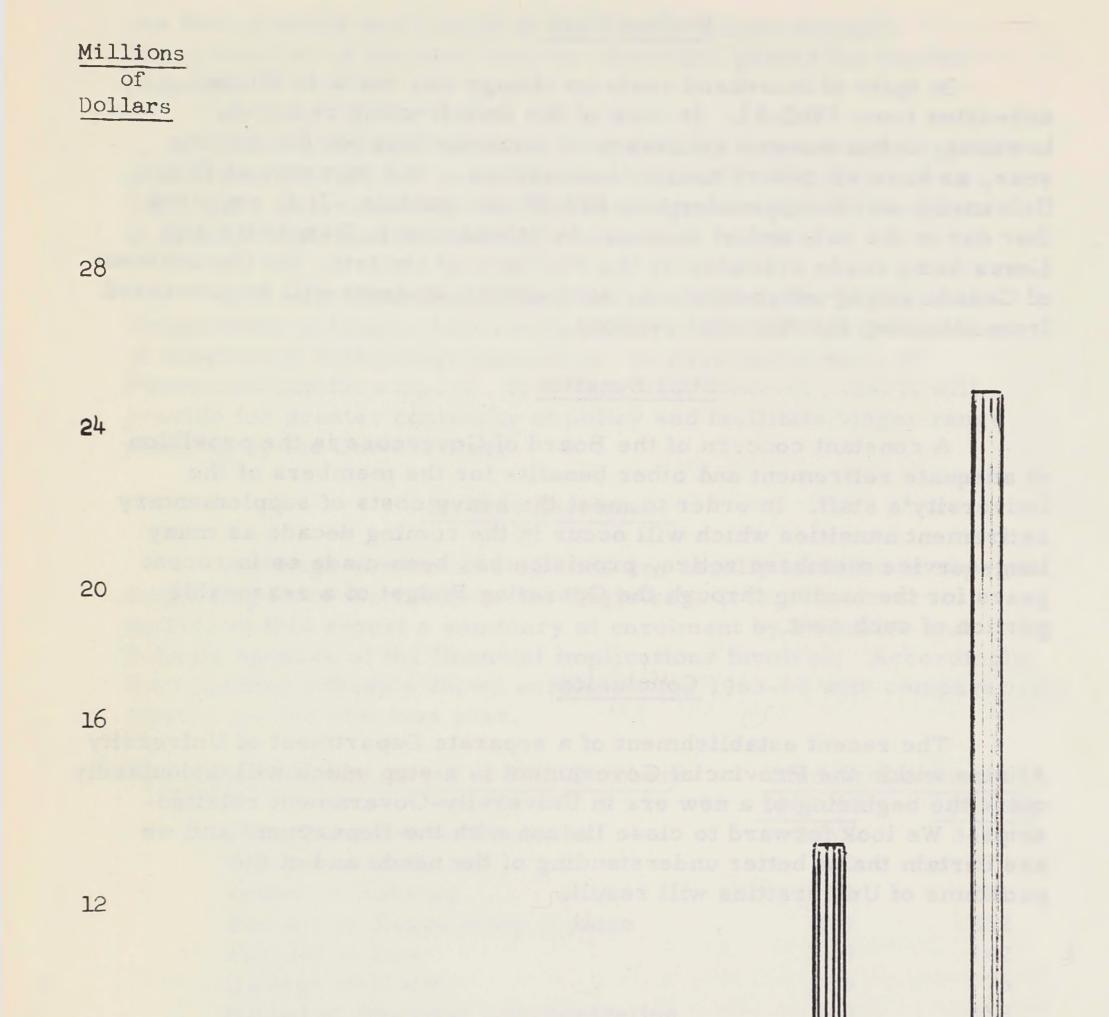
#### Conclusion

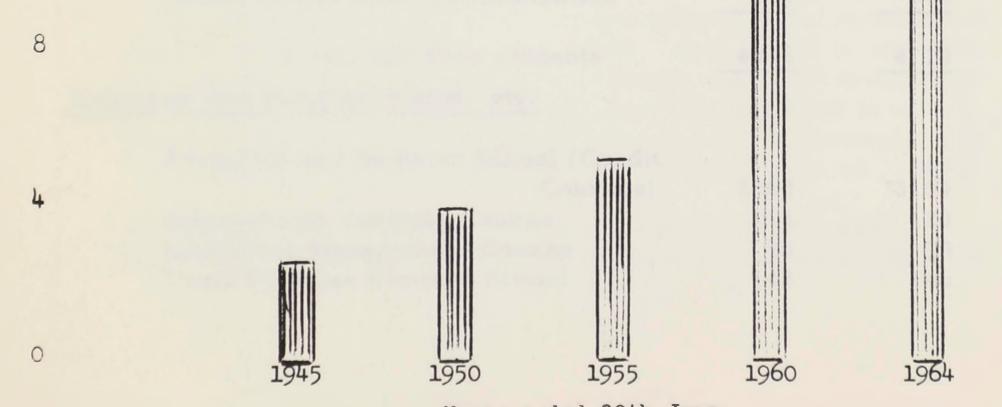
The recent establishment of a separate Department of University Affairs within the Provincial Government is a step which will undoubtedly mark the beginning of a new era in University-Government relationships. We look forward to close liaison with the Department and we are certain that a better understanding of the needs and of the problems of Universities will result.



# VALUE OF LAND, BUILDINGS AND INSTALLED EQUIPMENT (at cost)

- 16 -



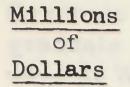


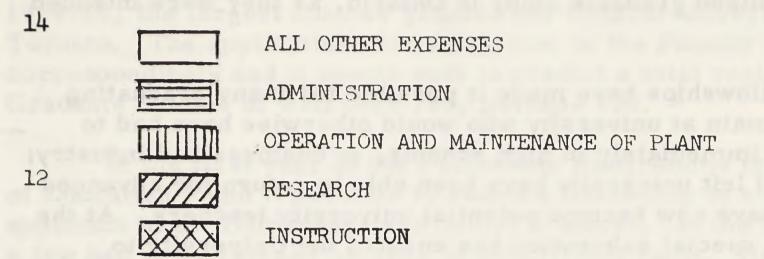
Years ended 30th June

# OPERATING EXPENSES

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(Excluding Ancillary Enterprises)

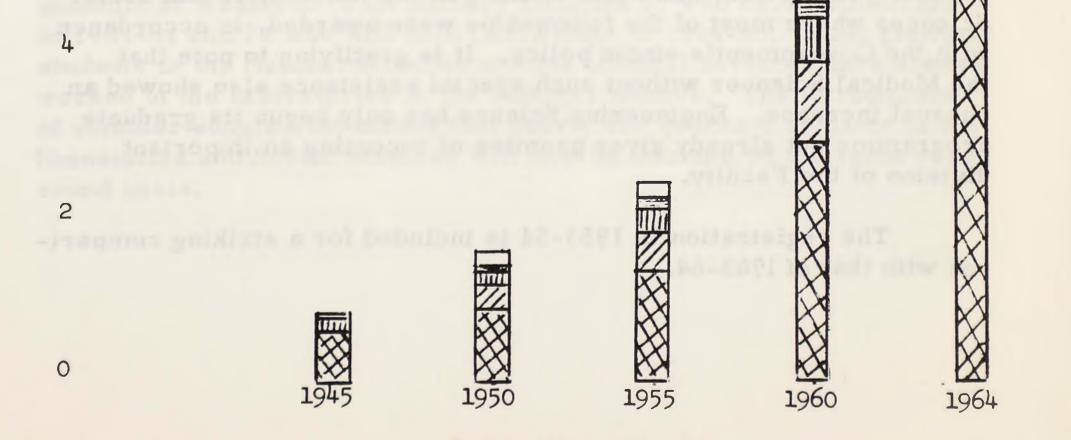




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Years ended 30th June

#### FACULTY OF GRADUATE STUDIES

Report of the Dean - R. A. Allen

The new Province of Ontario Graduate Fellowship Programme and the accompanying Graduate Studies Subvention to the universities have revolutionized graduate study in Ontario, as they were intended to do.

The fellowships have made it possible for many graduating students to remain at university who would otherwise have had to take positions immediately in high schools, in business and industry; others who had left university have been able to return for advanced study. They have now become potential university teachers. At the same time the special subvention has enabled the University to increase greatly its library resources and to appoint senior members of faculty, in both cases primarily with graduate students and their needs in mind. As concomitants it was necessary, and the subvention made it possible, to employ additional library staff to process the new books and journals, to secure clerical assistance in several departments and to add to their apparatus. In 1963-64 the subvention to Western was in the amount of \$375,000. The largest items of expenditure were \$128,000 for senior academic staff, \$100,000 for library books, journals, etc., \$37,000 for library staff and \$60,000 for departmental equipment and apparatus.

The detailed statistics which follow will indicate the direct influence of the Fellowship Programme. While there has been an increase in registration in this Faculty for eleven successive years, and in recent years significant increases of from 50 to 70 students, the increase of 123 or nearly 24% in 1963-64 was much the largest on record. The growth was most striking in the Humanities and Social Sciences where most of the fellowships were awarded, in accordance with the Government's stated policy. It is gratifying to note that the Medical Sciences without such special assistance also showed an unusual increase. Engineering Science has only begun its graduate programme but already gives promise of becoming an important division of the Faculty.

The registration in 1953-54 is included for a striking comparison with that of 1963-64. For the academic year 1963-64, the first year of the Ontario Graduate Fellowship Programme, 113 fellowships were awarded for graduate study at this University. Of these 98 were accepted and used at Western. The attrition was due to the fact that some students had made other plans before the awards were made. As a result of the greater publicity given to the Programme during the past year the number of applications for next year was much larger and a total of 200 fellowships have been awarded for graduate study at Western in 1964-65, the largest number granted any Ontario university except Toronto. The applications for admission to the Faculty have increased correspondingly and it seems safe to predict a total registration in Graduate Studies of well over 700, perhaps 750.

In the first year of the Fellowship Programme the Department of Education found it possible to award a fellowship to every qualified applicant in the Humanities and Social Sciences. In the second year a few had to be refused because of insufficient funds. Next year either the total amount available for fellowships will have to be increased or a rather large number of applicants will have to be denied the opportunity for which they are qualified by academic grades and ambition. Another word of caution may not be out of order. The stated purpose of the Ontario Graduate Fellowship Programme is to provide as quickly as possible a supply of university teachers who are so urgently needed to meet the anticipated flood of undergraduates. The Programme gives every promise of success but it should be borne in mind that university teachers are not trained in one year or even two years of post-graduate study.

An important feature of the Ontario Fellowship Programme is the Summer Supplement. The value of the Fellowship is \$1,500 for the academic year but an additional \$500 is available to a Fellow who remains on campus to continue his work during the summer. For the summer of 1964 the Summer Supplement was awarded to 109 graduate students at Western. This number includes 35 who held fellowships in 1963-64 and 74 who will hold fellowships in 1964-65. Most graduate students in the Natural Sciences and the Medical Sciences have always worked in the laboratories in the summer months. The introduction of summer supplement means that nearly 100 graduate students in the Humanities and Social Sciences will now be working on the same year round basis.

# Faculty of Graduate Studies

	1953-54	1960-61	1961-62	1962-63	1963-64
Arts and Science	74	184	196	256	347
Business Administration	86	178	209	216	222
Engineering Science	-	-	-	4	13 48
Medical Sciences Nursing	32	23	27	31	40
Administration		8			10
	192	393	444	517	640
Humanities and Social Sciences Natural Sciences and				es and	
C1 ·			Mathematics		
Classics	2		The second se		1.0
Economics	13		Botany 1		
English	44	· · · · · · · · · · · · · · · · · · ·			42
French	21	Geology			13 11
Geography	20		I ,		
German	3		Mathematics		
History	42		Physics		
Philosophy	17	Zoology			22
Physical Education	3				1.4.2
Political Science	(				143
Psychology	32				
	204				
Medical Sciences			Busir	ness Admin	nistration
Anatomy	1		First Year M.B.A. 127		

liaconity

First Y	ear M.	B. A.	127
Second	Year	11	92

1 Bacteriology 16 Biochemistry 7 Biophysics 3 Medical Research 6 Microscopic Anatomy Pathological Chemistry 2 5 Pharmacology 7 Physiology 48

Decond rear	14
Ph. D.	3
AT SI TROFF OCAL OIL IN DAM	222
Nursing Administrati	on
and present the	0/02
First Year M. Sc. N.	8
Second Year "	2
	10

# Degrees Conferred in November 1963 and May 1964

Doctor of Philosophy -	24	(15)		
<ul> <li>2 Biochemistry</li> <li>1 Biophysics</li> <li>2 Botany</li> <li>6 Chemistry</li> <li>1 French</li> <li>1 Mathematics</li> <li>1 Microscopic Anatomy</li> </ul>		2 Phy 1 Phy 1 Pre	siology ventive N chology	gy Aedicine
Master of Arts -	36	(30)		and and and
<ol> <li>Comparative Literature</li> <li>Economics</li> <li>English</li> <li>French</li> <li>Geography</li> </ol>	dennis Sta	l Poli		
Master of Business Administration	n	and shirt	90	(98)
Master of Engineering Science		Tord -	2	( -)
Master of Science -	22	(18)		Dr. Stiling
2 Botany <ol> <li>Chemistry</li> <li>Geography</li> <li>Geology</li> <li>Geophysics</li> <li>Medical Research</li> </ol>		2 Path 5 Phys	nological sics siology	Anatomy Chemistry

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# Master of Science in Nursing - 2 (8)

(Numbers in brackets refer to the year 1962-63)

## FACULTY OF ARTS AND SCIENCE

#### Report of the Dean - M. K. Inman

The expansionary trend of recent years in the activities of the Faculty of Arts and Science continued during the academic year 1963-64. This record of growth is reflected in the addition of new faculty members, as shown in the Frincipals' reports, and in the increased enrolment of students as indicated in the official statement of the Registrar. As developments in these areas are recorded elsewhere, my report will deal mainly with the changes which were made during the year in academic regulations, most of which are included in the Arts and Science Calendar for 1964-65.

## Work of the Academic Standards Committee

Many of the revised stipulations regarding academic matters originated with the Academic Standards Committee. This Committee, under the chairmanship of Dr. Frank Stiling, carried on an investigation as to ways and means of improving the Arts and Science programs for approximately two years before Dr. Stiling's retirement as Dean in July, 1963. I take this opportunity to pay tribute to Dr. Stiling for the leadership he provided in this matter. The changes made in academic regulations are in no small measure the result of the guidance Dr. Stiling gave the Committee when he was its chairman.

In 1963-64 the Academic Standards Committee continued its study and eventually submitted a report to the Council of the Arts and Science Faculty. With some modifications, the recommendations contained in the Committee's report were approved by the Faculty Council, the Faculty of Arts and Science, the Arts Educational Folicy Committee of the Senate, and ultimately by the Senate. The basic changes resulting from this procedure involved simplification of academic regulations and modification of requirements governing Honors and General programs.

Simplification of General Academic Regulations

In former editions of the Arts and Science Calendar, academic regulations were unnecessarily complicated and confusing. A clear distinction was not made always between general rules and those which had limited applicability. Much of the Committee's work was concerned with systematizing and clarifying the regulations with particular reference to credit for a foreign language begun at the University, academic averages, supplemental and special examinations, credit for courses passed in a failed year, and grades obtained in examinations other than regular examinations.

#### Modification of Honors and General Programs

In Honors Programs, apart from changes introduced at the departmental level (which were quite extensive), two new features were introduced: (1) the designation by each department of some courses as "principal" courses (those which the department deemed to be essential to its purpose) and others as "subsidiary" (mostly optional courses), and (2) amending the rules regarding admission to and progress within Honors Programs. In this connection the basic rule reads as follows: "A student will be automatically accepted if he has an average of at least 66% with no grade of less than 60% in the courses listed as principal courses by the Department(s) of the subject(s) in which he is specializing. He must also have a passing grade in each of the courses listed as subsidiary courses by the Department(s) concerned." By special permission of the Department(s) involved, a student with an average between 60% and 65% in the principal and a passing grade in the subsidiary courses may enter an honors program.

More extensive modifications were made in the General Programs. These can be classified under three headings: (1) reduction in the number of courses required for a general program degree (2) changing the rules governing the major and eliminating the minor subject, and (3) widening the range of course choices

available to the student.

The number of courses required for a B.A. degree in the General Programs was reduced from 17 to 16. This reduction brings the General Programs at the University of Western Ontario into line with similar programs at other leading Canadian universities. It definitely does not mean, as some persons have argued, that the new 16-course requirement will be less demanding than the former 17-course plan. This for two reasons; first, increasing the content of the courses and, second, making more stringent the regulations governing the major subject. Acquiring a satisfactory knowledge of the subject matter of senior courses under the new plan will necessitate more work on the student's part than has been demanded in the past. In other words, each course will require more study "in depth" - a natural result of increased specialization among members of the Faculty.

The study "in depth" feature is reinforced by the change which has been made in the requirements for a major subject. Under the old rules, the student was obliged to choose a major subject consisting of 3 or 4 senior courses, in which he must obtain a minimum <u>average</u> of 60 per cent, and a minor subject of 2 senior courses. Under the new system, the student has to select a major subject composed of 4 senior courses and get at least 60 per cent in each course. Although the former regulations required the student to obtain a minimum grade of 60 per cent in at least 6 courses, this stipulation did not necessitate meritorious performance in the student's major field, where merely an average of 60 per cent was demanded. Under the old system, assuming a 3-course major, the student could satisfy the requirements of his speciality with, for example, one C grade and two D's. Under the new rules, D grades in the major subject are unacceptable.

#### Widening the Range of Student's Choice

Another change resulting from the work of the Academic Standards Committee was extending the range of student's choice of courses. This was accomplished partly by the introduction of new courses and partly by shortening the list of compulsory courses. In the first year of General Program I, three new courses, Biology 22, Chemistry 22, and Physics 22 were added to the list. These may be elected by a student who currently is not taking Mathematics 24 (Calculus). This provision enables a prospective medical student, who lacks the requisite mathematical background for Science 20 courses, to approach the study of medicine through General Frogram I. In the first year of General Program 2, only English 20 and French 20 (or another language at the 20 level) remain on the compulsory list. Otherwise, the student has considerable latitude in selecting representative courses from the humanities, natural sciences, and social sciences. This policy of freedom of choice is extended into the second and third years of both General Frograms. The basic restrictions on this policy govern the student's choice of a major subject and ensure that he will take at least one course from each of the Divisions A, B and C.

# Honors Programs in Computer Science

Although almost all departments introduced changes in their courses and/or programs, the chief innovation was the instituting of an Honors Program in Computer Science. This program leads to the degree of Bachelor of Science. It will be offered for the first time in the Academic year 1964-65.

# Admission of Teachers

In 1962-63 new rules regarding the admission of Adult Special Students, persons 25 years of age and over, were approved. In 1963-64 similar rules were devised to provide for admission to the University of Public School teachers who are less than 25 years of age and who do not meet our normal entrance requirements. According to these new regulations which were approved by Senate, any teacher is admissible who completed successfully the one-year course at Ontario Teachers' College, was employed as a full-time teacher for two years immediately prior to his application, and obtained satisfactory scores on aptitude tests administered by the University at the applicant's expense. A teacher who meets these requirements, as in the case of an Adult Special, is admitted on probation.

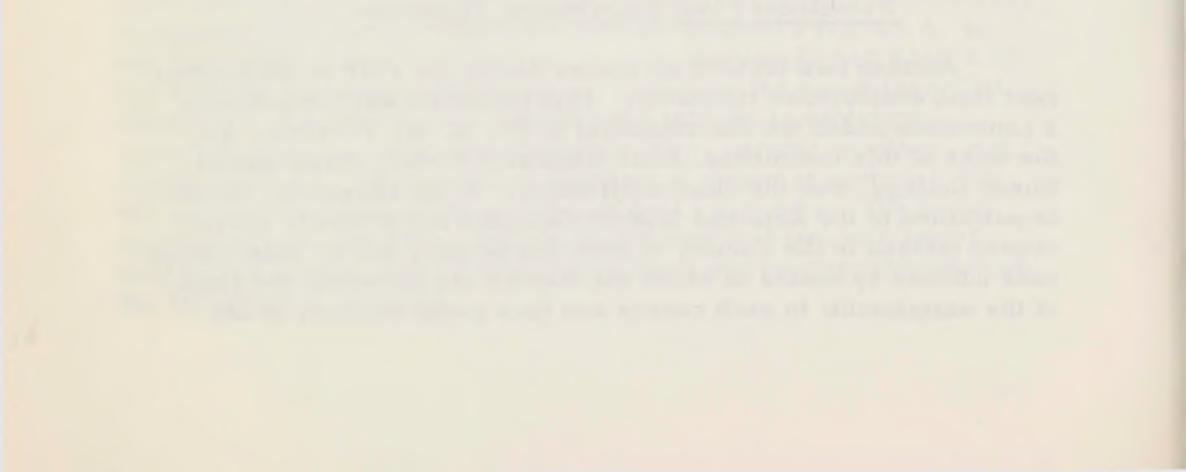
It is worthy of note that all Adult Special students as well as the teachers to whom reference is made in the preceding paragraph are required to take aptitude tests administered by the University at their own expense. Aptitude tests to determine the academic capabilities of persons not ordinarily admissible to this University were employed for the first time, with apparent success, during the academic year 1963-64.

Permanent Final Examination Timetable

Another new feature developed during the year is the permanent final examination timetable. This timetable was compiled by a committee under the chairmanship of Dr. R. W. Torrens. To the work of this committee, Miss Catherine Ridley, Registrar of Huron College, was the chief contributor. In the timetable, which is published in the Arts and Science Calendar for 1964-65, every course offered in the Faculty of Arts and Science has an examination code number by means of which the student can ascertain the time of the examination in each course and thus avoid conflicts in his program. The timetable itself is sufficiently flexible to provide for the addition of new courses.

# Lecture Timetable for 1964-65

The wider range of course selection afforded the student under the new regulations complicated the task of devising an Arts and Science lecture timetable for the academic year 1964-65. Fortunately, in this regard, the Dean's Office was able to secure the services of Professor R. L. Allen and Professor J. W. Burns, both of whom had experience in this type of work. Through the efficient efforts of Professors Allen and Burns and the generous cooperation of Department Heads, a suitable lecture timetable has been arranged for the ensuing year.



# UNIVERSITY COLLEGE OF ARTS AND SCIENCE

Report of the Principal - Robert J. Uffen

Following the trend of recent years, 1963-64 was again a year of expansion for University College. Enrollment amounted to 1840 full-time intramural students, and 3139 correspondence, extension and summer school students, who are under the direction of Professor J. A. McIntyre but who are nominally registered in University College. The Ontario graduate support program, now in its second year, has caused considerable expansion of the Humanities and Social Science Departments. For example, the English department's graduate enrollment has doubled since 1962-63, necessitating three additional post-graduate seminars, while the department of Economics and Sociology reported a three-fold increase.

As a result of the increased activities, 48 new faculty members were appointed effective July 1, 1964. There were 31 promotions, 10 leaves-of-absence, 6 resignations and 2 retirements. Dr. M. H. M. MacKinnon, Principal-desigante of University College, was succeeded as Head of the Department of English by Dr. J. W. Graham. Professor W. E. Collin, a distinguished scholar and teacher, retired from the Department of Romance Languages after forty years of service. Dr. Helen Battle, Professor of Zoology and Mrs. E. M. Berzins, Associate Professor in the Physical, Health and Recreation Education Department, reached retirement age but both these experienced members of the faculty will continue to teach and carry out their research on annual appointments. Dr. A. V. Tucker, who has been Acting Head of the Department of History during the leave-of-absence of Dr. W. Ferguson, was confirmed as Head of this Department. Dr. Ferguson becomes Senior Professor of History, a post which will allow him to pursue his research and writing more vigorously.

Dr. A. H. Johnson, who has been Head of the Department of Philosophy since 1948, also asked to be relieved of the administrative duties in order to devote more of his time to teaching and research. A new Head of the Department of Philosophy is yet to be appointed.

The problem of recruiting some fifty new people each year to replace experienced faculty members who are retiring, or to fill newly created vacancies necessitated by the rapid increase in graduate and undergraduate enrollment, will be one of the most difficult problems facing the College. We must expect the loss of some of the younger members to other institutions who will see them as a source of vigorous staff, with desirable qualifications, experienced in teaching and research and ripe to become department heads and full professors in the new institutions. These new institutions, unencumbered with traditions, established practices or vested interests, will be more free to innovate, to recognize accomplishment and so may appear very attractive to those with appropriate ambitions. The recruiting of good faculty members will become increasingly difficult each year because the "lead time" required to put up the buildings to house the burgeoning enrollment is only about three years, but the "lead time" required to produce the qualified faculty to do the instruction is about six years.

Several of our faculty members have received recognition for their original contributions to scholarship and research. Dr. J. H. Blackwell, Senior Professor of Applied Mathematics, was awarded a Commonwealth Visiting Fellowship by the Commonwealth Scholarship and Fellowship Plan. This is tenable at the University of Oxford for the academic year October 1964 to July 1965, and is one of five awarded this year to academic persons of high distinction in the British Commonwealth, on the nomination of United Kingdom Universities.

The Ontario Curriculum Institute invited Dr. R. W. Torrens to direct some of its research. Professor Torrens, as Chairman of the Institute's Second Language Study Committee, spent part of the summer of 1963 preparing recommendations for the Institute's Board of Governors. Professor Torrens was also President of the Canadian Association of University Teachers for 1963-64.

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Dr. G. L. Reuber was granted leave-of-absence to take up an appointment on the staff of the National Council of Applied Economics Research in New Delhi, India, for six months, as a consultant to the Council on International Trade Problems.

Dr. F. L. M. Pattison, Head of the Department of Chemistry, carried out a lecture tour in Czechoslovakia, Poland, and the U.S.S.R., under the auspices of the National Research Council of Canada - Soviet Academy of Sciences. Dr. H. C. Palmer, research associate in the Department of Geophysics, was awarded one of the first Canada Council Post-doctoral Fellowships in inter-disciplinary sciences.

Dr. John Bruce, Department of Philosophy, and Professor Robert Uffen, Department of Geophysics, were awarded Nuffield Foundation Overseas Fellowships for study in the United Kingdom.

Members of the faculty continue to carry out that most important function, the marking of Ontario Grade 13 examination papers (which constitute a major portion of the U. W.O. admission requirements). Professor G. R. Magee was examiner-in-chief for Mathematics; Professor E. H. Tull for Physics; Professor D. G. Wilson for Botany, and Mrs. R. Waller for Secretarial Practice.

In October 1963 an IBM 7040 Data Processing System, the first such computer in Canada, was installed to replace the IBM 650, which had become too small to satisfy the demands of the expanding university. The IBM 7040 will be enlarged by stages and was designed to meet the needs of business and scientific organizations with growing requirements. By the end of 1963, the transition from the semi-manual 650 operation to the fully automatic 7040 system was accomplished. A source of amusement to those who are uncomfortable about the encroachment of the computing machine in human affairs, was the discovery that the deadline for submitting monthly pay-lists had to be advanced one week in order to be ready for payday with the new improved system! One of the unexpected developments was the increasing interest in, and expanded use of the computing center for teaching and research in the social sciences. This trend is likely to continue. The Department of Computer Science gained approval of its honours program leading to the B.Sc. degree. The first graduates may be expected within one or two years. Dr. J. Hart, Head of the Department, was appointed to the National Research Council Advisory Committee on Computers and was Chairman of the Computer Science Association.

For the first time the Honours Journalism with Public Relations Options course will be offered in 1964. There has been a substantial increase in enrollment in the honours course in Physical, Health and Recreation Education, and the first three candidates for the M.A. degree in P.H.R.E. were graduated. Our Faculty continued to receive a large number of research grants from outside agencies. These amounted to \$784,000 out of a total operating budget of \$2,924,000, and are made to the individual professors as a result of their high standing as assessed by their own peers outside the University. Notable among these are the following: Professors A. W. A. Brown, D. C. Bradley, R. W. Nicholls, P. de Mayo, C. J. Hickman, A. E. Beck, P. A. Forsyth, W. H. Wehlau. For the first time, University College had a small research budget from University sources. This permitted a few awards to faculty members whose fields of interest do not command much public support and to new faculty members who have not yet had time to establish a reputation with outside granting agencies.

Some new factors have appeared in the financing of research. Canadians have grown accustomed to receiving liberal research funds from the U.S.A., but these are being phased-out systematically. With the rapid increase in graduate enrollment the demands on the traditional granting agencies have far exceeded the supply and it will no longer be possible to finance graduate studies or equip new buildings solely with funds for research. This has been met, in part, by including in the capital costs of new buildings some allocations for special laboratory equipment.

Appendix G gives the details of the books, articles, and research papers published by faculty and their students. There seems to be a sort of "characteristic rate of publication" which varies considerably from discipline to discipline, and one must avoid placing too much emphasis on quantity alone.

In addition, members of the faculty play active parts in many Professional and Learned Societies and serve with distinction (but usually without remuneration) on many public councils. Our staff is frequently sought out for consultation and advice by government and business. I would like to make special mention of Professors H. I. Battle, A. W. A. Brown, A. Dreimanis, D. R. Hay, W. J. L'Heureux, M. H. M. MacKinnon, R. W. Nicholls, R. W. Torrens and W. H. Wehlau.

The College will enjoy the special contributions of several distinguished Visiting Professors, who will stay with us for periods between six months and one year. Their special knowledge will be of great assistance with our expanded graduate program. These include: Dr. T. I. Matuszewski (Economics), University of Montreal; Dr. B. L. Joseph (English), Bristol University; Dr. D. C. Tyte (Physics), Imperial College; Dr. E. L. Vogan (Physics), Defence Research Telecommunications Establishment; Dr. M. A. Screech (Romance Languages), University of London; Dr. W. Domzalski (Geophysics), Consulting Geophysicist, Hertfordshire.

During 1963-64 work commenced on the \$4,500,000 building program for the new College of Science. The departments of Botany, Chemistry, Computer Science, Geology, Geophysics, Pure and Applied Mathematics and Astronomy, Physics and Zoology will be administered separately from University College, of which they are now a part. They will occupy quarters consisting of the Natural Science Center; the new Chemistry building; additions to the Biological-Geological Science building; the renovated Physical Science building; and a new Astronomical Observatory on a newly acquired site 15 miles north-east of London. Effective 1 July 1965 Dr. R. J. Uffen will be Principal of this new College and Professor G. H. Reavely will be Assistant Principal. With the exception of the Observatory, the buildings will form a complex surrounding the Natural Science Center and connected to it by pedestrian and service tunnels. The N.S.C. will house the Science Library, a cafeteria, one large lecture amphitheater and several smaller lecture rooms, the computing center, a machine shop, a faculty dining room, a students' council office and the Principal's office. The N.S.C. will be connected by a tunnel to the Nursing School and Medical Sciences to the west and it is expected that there will be close liaison and some joint appointments between the Medical Science and College of Science departments.

The building program is expected to be completed during the

summer of 1965 and much will be asked of the staff to ensure a smooth transition. The space vacated in the existing University College Arts building by the departments of Mathematics and of Computer Science will become available to ease the crowding in the departments which will comprise University College, viz. Economics and Sociology, English, History, Philosophy, Politics, Romance Languages, and Secretarial Science.

I wish to take this opportunity to thank the members of the faculty and the supporting staff of secretaries, stenographers, technicians, demonstrators and teaching fellows for their fine efforts and patience during these times of growth with their rapid decisions, sudden changes, and heavy demands. Especially do I wish to thank the Principal's Assistants, Drs. S. French, H. Ferguson and T. Ulrych, for their splendid effort in improving our methods of counselling freshmen and probationary students about their academic programs and study habits. Mr. Peter Schwartz, Prefect, and Miss Heather Munro, Sub-Prefect, made relations with the 1963-64 University College Council pleasant and rewarding. The U. C. C. played a very significant part in student affairs and gave to students of University College one of its most successful and active years.

I wish to pay great tribute to Professor G. H. Reavely and Professor M. H. M. MacKinnon, who have served as Assistant Principals. This they have done while simultaneously administering the affairs of their respective departments, teaching tull-time and attending most of the twenty-seven committees which formulated and guided the academic and administrative affairs of the College.

Finally, I would like to pay tribute to all those members of the faculty who, without newspaper or T.V. coverage, without prizes and awards, have continued to teach, counsel, grade, and encourage our students at a high level of competence, often under difficult conditions, and too frequently without adequate recognition.

### MIDDLESEX COLLEGE

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

The year 1963-64 saw the completion of Middlesex College's first full academic cycle with the graduation in the spring of the initial four-year honours class. The building was completed, as well, by the addition of new north and south wings and the faculty was brought up to complement by new appointments and by transfers from University College. Student registration was 1,334 of whom 522 made up the largest freshman class to date.

Most affected by the additions to the building were the Psychology and Geography departments. The new space available made it possible to re-unite these departments (previously divided between University and Middlesex Colleges) and provide them with considerably greater laboratory space than they had previously had. The laboratories were, unfortunately, not available when the term began and heroic efforts at improvisation had to be made until almost Christmas.

In addition to the Geography and Psychology laboratories the new north wing made available a number of seminar and other classrooms, two having 150 seats each. The south wing provided thirty-three new departmental offices, a larger and more attractive faculty lounge and nineteen cubicles for graduate teaching fellows. This latter innovation offered, in a compact space, facilities to teaching fellows in the various departments for marking papers, studying, interviewing students and - perhaps as important - for getting to know one another and developing an <u>esprit de corps</u> as junior members of faculty. The octagonal shape of this wing resulted in there being a central rotunda instead of a hallway on each floor. By furnishing these rotundas with tables and chairs (and in the case of that occupied by Geography with chart cases) effective additional facilities have been provided at no extra cost of space.

The rapidity with which Middlesex College has grown and changed during the past four years is a reflection, of course, of the growth and change taking place throughout the whole University. Perhaps the greatest single force for change in Middlesex College departments has been the Ontario Graduate Support Programme. This has brought about huge increases in graduate enrollment and has faced departments, as a result, with the need to hire new and particularly senior staff at an accelerated rate, to place tremendously larger book and journal orders for the Library, to supervise numerous graduate theses summer and winter, to prepare very much more complex budgets especially in the laboratory departments of Geography and Psychology, and generally to engage in year-round activity on a scale completely different from that of four years ago when the college was founded. This new Graduate Support Programme was announced unfortunately only after the plans for the two new wings of the building had been fixed. Instead, therefore, of these being able to take care of departmental needs until Talbot College opens in 1966, as had been anticipated, it is clear that before that time the laboratories for Psychology and Geography will be inadequate and there will be insufficient offices for new members of staff.

Along with these developments in graduate work and closely associated with them, there has been a very rapid increase in the amount of faculty research and writing. To facilitate this, a typing pool was established, additional machines for dictating ordered, portable microcard and microfilm readers provided, and a College Research Fund established. This latter and the Barbara Ross Spencer Fund have had an effect out of all proportion to their size in encouraging scholarly activity. Twenty grants were made, for example, from the College Research Fund this first year varying in size from \$50.00 to \$800.00. The very first grant made, that of \$400.00 to Professor McClelland of the Psychology Department, enabled him to begin work on a project for which, before the year was out, he was able to obtain a further grant from the Ontario Mental Health Association larger than the whole College Research Fund. This 'pump-priming' effect either directly in this way or indirectly through the general creation of a scholarly atmosphere within the college, is the main reason for the extraordinary value of these funds.

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The list of publications by faculty members given in the appendix is some indication of results already achieved. In addition, papers were presented at learned societies and consulting and committee work was undertaken both within and outside the University. The year was a remarkably busy and successful one and a number of outstanding individual achievements might well be referred to. This is not done (except for the reference to Professor McClelland which is by way of illustration) for two reasons. The first is that in the Humanities and Social Sciences an individual's achievements cannot be properly categorized on an annual basis - a year of outstanding accomplishment may result in little that is in itself noteworthy. Secondly, to list only the more spectacular results of scholarship is to risk creating the impression that only these and not devoted inspiring teaching are considered important. The objective at Middlesex College is to encourage equally and in combination both teaching and productive scholarship.

Of special interest, in concluding this report on Middlesex College, is the very heavy use being made of the language laboratory, the only one so far on the campus. Summer and winter it was in use a total of 16,300 laboratory hours. Not only did all the language departments use it but the Department of Psychology did as well, taking advantage of its facilities to direct graduate experiments in programmed learning and teaching machines. It was visited by almost a thousand high school students during the course of the year and was made available to the Ontario Curriculum Institute (foreign language section) during the summer for a special crash programme for teachers of French.

Saroimant reached a record 7a mil-time music shidents, with approximately \$0 additional Arts and Science shidents registering in one or more Music courses.

A reading room was established in the College by the Lawson -Memorial Library and a notable increase, in studget way of the ' grewing collection of books, periodicals, scores and records was reported. We would like to express our gratitude to Dr. Talmas and his staff for their cooperation in heiging us to develop this vital teature of the College.

The annex to the A. E. Silverwood Building, which will house the Music Education Department, is now under construction and will be ready for fail classes, in December the College of Music presented the opera l'Annahi and the Night Visitors" by Gian-Carlo Menotti in Convocation Hall, This production, which was directed by Professor McHallar, is the first venture (n.the field of opera at this Notversity since the days of the Opera Verkshop.

# COLLEGE OF MUSIC

### Report of the Principal - Clifford von Kuster

The ratification by the Senate in January 1964 of a program to be offered at the College of Music leading to a new degree, the Bachelor of Music, marks an important milestone in the history of the College. The new four year Bachelor of Music program, which is the product of several seasons of study and deliberation by members of the faculty, has been designed with a common first year leading to four possible choices in the area of concentration in second year. It is felt that by this means all music students will be assured of adequate training in the core subjects of music with ample scope for specialization in the later years. This program was planned as a basis for a future graduate program to be offered when staff requirements and library holdings have reached the necessary level. The previously existing B. A. Honors Music and General Music programs have also undergone some revisions this year.

Enrolment reached a record 76 full-time music students, with approximately 40 additional Arts and Science students registering in one or more Music courses.

A reading room was established in the College by the Lawson Memorial Library and a notable increase in student use of the growing collection of books, periodicals, scores and records was reported. We would like to express our gratitude to Dr. Talman and his staff for their cooperation in helping us to develop this vital feature of the College.

The annex to the A. E. Silverwood Building, which will house the Music Education Department, is now under construction and will be ready for fall classes.

In December the College of Music presented the opera "Amahl and the Night Visitors" by Gian-Carlo Menotti in Convocation Hall. This production, which was directed by Professor McKellar, is the first venture in the field of opera at this University since the days of the Opera Workshop.

An interesting series of lecture-recitals featuring a variety of chamber music ensembles was presented at the College on

Tuesday mornings. The artists participating included John Boyden, Canadian baritone, accompanied by Donald Hassard (College of Music graduate of 1959); Dr. Gordon Tracy, viola; Mrs. Elizabeth Tracy, 'cello; Mrs. Joan Hysen, violin and viola; Mrs. Ruth Budd, double bass; Mr. Gerald Meijer, flute; Mr. James Ford, trumpet; Miss Antonia Mazan, piano (College of Music graduate of 1959); and Clifford von Kuster, piano.

Members of the faculty continue to be in demand as performers, lecturers, and adjudicators throughout the province and beyond. The following is an outline of some of these activities.

Professor Donald McKellar acted as adjudicator of band, orchestra and solo wind classes at the Toronto Kiwan's Music Festival, and also at the Tillsonburg Music Festival. He was appointed first vice-president of the Ontario Music Educators' Association, and appeared as guest conductor at the Canadian Bandmasters' Association Music Camp.

Professor John McIntosh appeared as organ recitalist in Toronto, Buffalo, Brantford and Waterloo. He conducted organ classes at the Church Music Workshop of the University of Waterloo, and is vice-chairman of the London Chapter of the Canadian College of Organists.

Professor Howard Munn, as chairman of the Board of Studies of the Western Ontario Conservatory, supervised the compiling and editing of a new book of examination material for Grade III piano.

The Conservatory Choir, under the direction of Mr. Earle Terry, presented the oratorio "King David" by Honneger and "Mass in G major" by Schubert.

Professor Alfred Rosé, who is conductor of the University Choir, shared with Professor McKellar the duties of conductor at the Sunday Nine O'Clock Concerto Concert in which 10 College of Music students were presented with orchestra.

Principal Clifford von Kuster was piano soloist with the London Symphony at their February concert and performed twice in London Chamber Music Society programs.

## FACULTY OF MEDICINE

### Report of the Dean - O. H. Warwick

The year 1963-64 probably will take an important place in the history of the Faculty of Medicine at the University of Western Ontario. Decisions made this year affect the pre-medical and medical curricula and will associate the basic medical science departments more closely with the Faculty of Arts and Science. Construction of new teaching facilities was begun and consideration given to the planning of additional clinical teaching and research facilities. Superimposed on this local activity were the enquiries of a provincial committee appointed by the government to consider a proposed Medical Care Insurance Act, and the Report of a Royal Commission on Health Services. Of the honours and awards received by staff members we wish to record in particular that Professor M. L. Barr, in receiving the senior Gairdner Award of \$25,000 for his work in cyto-genetics, was the first Canadian to be so honoured.

The Senate approved a recommendation to abolish the socalled "pre-medical" course within the Faculty of Arts and Science. Henceforth, students wishing to take the two years of preparation for the professional course in medicine will enter General Programme I. This change should allow greater latitude in subsequent studies for a student who, after two years, decides he does not wish to study medicine or who finds he has not achieved the academic standard required for admission to the professional course. At the same time, the stigma of "failed pre-med" should pass from the scene.

As mentioned in previous reports, modifications in the medical curriculum have been recommended by a special committee under the Chairmanship of Dr. Douglas Bocking. Changes affecting the first year of study were implemented with the entering class of 1963 and no serious difficulties encountered. Students in the third year of the medical course, as a new venture, were encouraged to take a period of one to two weeks General Practice Preceptorship in one of the smaller communities in Western Ontario. Some fifteen took advantage of this opportunity to learn something of the life of the General Practitioner, an aspect of medical practice which today's undergraduate medical student does not ordinarily experience. We wish to acknowledge the help and cooperation of the preceptors throughout Western Ontario who assisted us in this venture. During the academic year much effort was expended within the Basic Medical Science departments preparing Honors Courses leading to a B.Sc. degree in Anatomy, Bacteriology, Biochemistry, Biophysics and Physiology. In this work we enjoyed the cooperation of our colleagues within the Faculty of Arts and Science. Minor details remain to be ironed out but it is anticipated that students in the third year of these courses can be accepted in the Autumn of 1966.

Early in July 1963 construction was begun on the new Medical Sciences Building on the University Campus. Weather conditions were favorable throughout the autumn and winter and a year later the contractors report that building is several weeks ahead of schedule and will be ready for occupancy by May of 1965. We wish to record our appreciation to the architect and to the Superintendent of Buildings and Grounds and his staff for courtesies and cooperation in bringing this large and complicated structure to fruition. For a total cost of five and a half million dollars we shall have over one hundred and seven thousand feet of assignable space in which to conduct preclinical teaching, research, graduate-training and instruction of students from other faculties or schools.

The London Health Association through the very active leadership of Mr. V. P. Cronyn has pursued its interest in assisting with the construction of a teaching hospital to be directly associated with the new Medical Sciences Building. At its meeting on January 29th, 1964, the Board of Governors approved the request of the London Health Association to construct a teaching hospital on a site north of the Medical Sciences Building and in close proximity thereto. Council of the Faculty of Medicine on March 16th, 1964, placed itself on record with no dissenting votes as endorsing this action. On June 4th, 1964, the London Health Association presented a brief to the Provincial Government requesting permission to build a 400-bed teaching hospital directly adjoining the Medical Sciences Building but has not as yet received a reply to this request.

The provincial government this year appointed a public committee to study and make recommendations on Bill 163 having to do with a proposed programme of medical care insurance. The Faculties of Medicine in this province consider this matter to be of greatest importance in that an overall programme of prepaid medical care might jeopardize the availability of clinical teaching material in our affiliated hospitals. In cooperation with the Ontario Medical Association it was strongly urged that Clinical Teaching Units be established and recognized under any scheme of medical insurance. It seems important to define such units at this time because with them lies the future of clinical teaching in a changing economic pattern of medical care. "A Clinical Teaching Unit, division or service, which may be an entire hospital or a designated hospital area, is one providing undergraduate and graduate medical education, not limited to the interne year, under the auspices of a Faculty of Medicine of a Canadian University. The medical staff of a teaching unit, division, or service, is to be jointly appointed by the university and the hospital. This staff is to be organized into departments, the heads of which are similarly jointly appointed by the university and the hospital. The care of the patient in a teaching unit, division, or service, is the function of the team of staff physicians, resident, interne and clinical clerk, based on the principle of graded responsibility commensurate with competence and level of training."

The report of the committee studying Bill 163 has not yet been published and undoubtedly will be influenced by the Report of the Royal Commission on Health Services published in June 1964.

The recommendations of this latter report are broad and sweeping. Particular reference is made to the training of health personnel as a necessary prerequisite to the establishment of any overall programme of medical care insurance. The Commission has recommended that additional funds be allocated for construction of new medical schools and for the required expansion or renovation of medical schools now operating; that the hospital construction grant be amended to provide one half the cost of hospital facilities for new university hospitals or for expansion or renovation of existing university affiliated teaching hospitals or teaching units in nonuniversity hospitals to a maximum of 10 beds per student in the projected graduating class; that expenditures on certain specialized functions of teaching hospitals should be recognized to show the cost under the Hospital Insurance and Diagnostic Services Act; that financial assistance be given to senior medical students; that remuneration of part-time clinical teachers be increased to realistic levels; that assistance be given for the training of a greater number of personnel for the fields of teaching and research; that medical schools inaugurate or expand their programme of continuing medical education and that funds be made available to medical schools to provide for an increase in the ratio of full-time to part-time staff.

Certainly, we are now moving through a particularly interesting period in medical education, medical care and medical research. It is becoming recognized that greater financial assistance must be given to our Canadian Medical Schools if we are to perform adequately the functions assigned to us. Our responsibilities, it should be remembered, extend far beyond giving an undergraduate course leading to the M. D. degree. We must train the teachers of tomorrow, conduct research in problems of health and disease, give exemplary care in our affiliated-teaching hospitals and assist in the education of all the ancillary personnel required for today's "health team".

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### FACULTY OF LAW

## Report of the Dean - I. C. Rand

The academic year 1963-64 of the Faculty of Law saw a substantial increase in the number of students in the first year with the registration of 74; of these 68 wrote the final examinations in May 1964. The registration number for the second year class was 36, and for the third, 33. In the convocation of May 30, the entire graduation class was successful with 33 degrees being awarded.

The statistics of the entrants show that of the 74 in the first year, 55 held suitable academic degrees; that there were 65 members of 25 years of age or under, of whom 61 were single and 13 married; that 53 had attended this University; that 50 came from Western and Northern Ontario and 20 from Eastern Ontario including 8 from Toronto.

The general course of things in the school during the year has been satisfactory. The work accomplished was to some degree an improvement over that of the previous years. The student body seemed to indicate a greater sense of identity and along with it was an atmosphere of keener intellectual interest and concern generally.

Unfortunately that encouraging state of things has been somewhat shadowed by withdrawals from the teaching staff. Assistant Professor Johnston in May accepted an invitation to the Law School of the University of Louisiana; Assistant Professor Scane in April indicated his decision to join a new firm of lawyers to practise in Toronto; Assistant Professor Weatherill in May notified us of his appointment to a position with the Labour Relations Board; and finally in June, Professor Mackay was offered, and accepted, an appointment on a Commission to be headed by the retiring Chief Justice of the High Court of Ontario to inquire into various matters of law and administration. With these retirements and the appointment of a new Dean, the school will present to next year's student body only three of its present teaching staff.

Replacements already arranged, however, will ease the impact of change through the quality of new entrants. Of these, the

new Dean, Frofessor A. W. R. Carrothers, coming from the Faculty of Law of the University of British Columbia, is outstanding among legal scholars of Canada particularly in the field of Labour Law. Gregory J. Brandt is at present completing his course as a Rhodes Scholar. His academic record from High School, through the University of Saskatchewan in Arts and Law, and the Honor School of Philosophy, Politics and Economics, Oxford, is of the first rank. Mr. Sidney Peck is a graduate in Arts, 1957, and of the Faculty of Law in 1960, of the University of Toronto. In the former he won the Reuben Wells Leonard Scholarship, and in the latter the Harold G. Fox prize in Commercial Law. During the year 1962-63 he was Legal Secretary to the Chief Justice of Ontario and in the current year has been engaged in practice in Toronto. Finally, Mr. Gerald M. Adler, has just completed a year's post graduate work at the Harvard Law School. He is a graduate of Osgoode Law School, 1963, and during his course was the winner of four prizes.

This disruption raises the question of the desirability of giving consideration to the terms of engagements of teachers. Up to the present time the question has revolved around the position of the teacher: could his relation be terminated by the University by reasonable notice? The word "tenure" has been introduced and is apparently interpreted to imply in effect, except as otherwise specifically provided, that with an indefinite engagement a teacher becomes virtually the holder of a life position, subject only to dismissal for misconduct. In some cases terms are stipulated for a specific period but generally there seems to be an indefinite employment. Specific provisions may always, of course, qualify the terms; but it is the question of "tenure" where time is indefinite that has become of importance.

Slight attention seems to be given to the effect upon the school

of voluntary withdrawals. It seems to be assumed that the teacher is at liberty to leave the service at the end of any school year regardless of notice; and this circumstance presents a problem for newly established schools in course of building up their faculties. The lack of sufficient notice may work a serious disturbance in school management through the difficulty of obtaining replacements. It may be assumed that a termination must take effect at the end of a school year but consistently with the apparent notion of "tenure" it might do so at any time. I do not doubt that in law the contract of indefinite employment between the teacher and the University calls for a reasonable notice of withdrawal; and where the salary is fixed for a year the ordinary inference to be drawn would be a notice of at least six months. Whatever circumstances may attend the actual ending of his services, whether with or without notice, a university does not, seemingly, countenance the taking of any step of a penalizing nature; but that does not mean that circumstances and conditions could in no case dictate such a course of action. These features and uncertainties in academic engagements should, I think, be given consideration; the policy of express provisions should be examined; and, if possible, understandings should be come to between universities providing for general uniformity in such matters. In any event, I should think that this University, for its own interests, ought to clarify its position on academic employment.

The various activities of the school mentioned in previous reports have been continued and in some respects on an enlarged scale. The schedule of Moot Court arguments attracted a large number of first year students as well as members from the second and third year groups; and the quality of the work done was good. In the competition between the law schools of the province held in Ottawa our representatives, one of whom was a first year student, gave a performance which was completely satisfactory.

Again we have enjoyed the generous co-operation of members of the local and neighbouring Bars; and in the final argument of the schedule we welcomed as judges The Hon. F. G. MacKay and The Hon. Arthur Kelly, both of the provincial Court of Appeal and both of whom spoke at the dinner given in the evening. We are fortunate in our relations with members of the Supreme and County Courts of this province and it is a pleasure to know that the school is held in high regard by them.

This year's number of the annual Law Review published by the students is a creditable production. Among other things, it presents papers given at a seminar of the Bar of Middlesex and adjoining counties on the subject of Fraud; and the treatment accorded that subject will be of interest and benefit to all the Review's readers. Articles dealing with questions on various legal matters including Negligent Statements, Forseeability in Torts, Effects of Domestic Hostilities on International Agreements, Freedom of the Individual Workman and Aspects of Insurance, are also included; and in total they present a critique of value. The editor and his associates are to be congratulated on this accomplishment. The year saw also the issue of Vol. 3 of <u>Current Law and</u> <u>Social Problems</u>, a publication commenced by the school in 1960 and now under the editorship of Associate Professor Falmer. The articles maintain the standard of the previous numbers and serve well the purpose embodied in the title given the series.

The general expansion in all departments of Canada's life has added strikingly to the demands of and for education; the maintenance of our present and prospective technical standards alone has led to an intimate association of government with educational institutions. Only by highly trained professionals and technicians can the social services, conveniences, and safeguards, the apparatus of our community life, be sustained, and no longer can training be left to individual action. This situation has given rise to an insistent call for teachers beyond the supply available and the competition between institutions raises in an acute form the factor of remuneration. In law, the attractions of professional practice, including public office, as well as institutional rivalry, are powerfully influential; and it should be carefully weighed at this particular juncture, how far the setting up of a faculty of high rank carrying with it loyalty and responsibility toward the school of such a degree as will ensure an acceptable permanence in membership, should, because of differences in reward, be allowed to be prejudiced.

With the prospective growth of the Library and under the leadership of the new Dean, the next five years should witness a steady advance towards maturity in all the school's activities; attitudes if not traditions seem already to be sensed and respected; and the attainment of the school's objectives as envisioned in its original conception, can be taken now as fairly assured.

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### FACULTY OF ENGINEERING SCIENCE

# Report of the Dean - R. M. Dillon

To fulfil its role in modern society the University must ensure that its aims and its requirements are well understood by the public at large which is called on to bear the cost. The mutual understanding necessary to this end can be achieved by faculty members through participation in off-campus affairs, and it is therefore gratifying to review the lengthening list of appointments of Faculty members to committees and organizations outside the university. This is encouraging evidence of an awareness of one part of our total responsibility which may too often be neglected.

Professor Davenport is to be commended for once again being singled out for special honour. In June 1964 he received a Golden Plate Award from the American Academy of Achievement at Oceanside, California.

The Chemical Engineering Group, under the direction of Dr. Bulani convened a conference for chemical engineers. The meeting, attended by approximately 25 representatives of Ontario engineering schools and industrial research laboratories was held at Western on 26th May 1964.

On October 5th, 1963, the London Chapter of the Ontario Association of Professional Engineers and the Faculty of Engineering Science, sponsored a seminar entitled "Engineering Leadership for the Canadian Economy". The keynote speaker was H. H. Edmison, Economist for the Argus Corporation. A panel of distinguished engineers leading the discussion included J. B. Cronyn, Executive Vice-President, John Labatt Ltd.; L. G. Sentance, Manager Systems Engineering, Canadian Westinghouse Ltd.; A. B. Hunt, Vice-President, Research & Development for Northern Electric Company; L. D. Dougan, Vice-President Operations, Polymer Corporation; and A. Porter, Professor of Industrial Engineering, University of Toronto. About 100 engineers attended. The Seminar Committee included the Dean and Professors L. S. Lauchland and A. T. Olson.

Professor Nowak for the second year took charge of the Engineering Science Seminars and Colloquia. Papers were delivered by Professors Davenport and Upton as well as by a number of graduate

students. Dr. Nowak arranged four Engineering Science Colloquia at which guest lecturers appeared.

> Fundamental Steam Research and Development of Supercritical Power Stations - Dr. K. R. Schmidt, Director of Research and Development, Siemens Schuckertwerke, Bavaria, October 24th, 1963.

Vortex and Tornado Flow - Dr. K. R. Schmidt, October 25th, 1963.

Aerospace Research at McGill University - Professor D. R. Mordell, Dean, Faculty of Engineering, McGill University. February 14th, 1964.

Relationship Between the Scientist and Engineer - Dr. B. A. McFarlane, Department of Sociology, Carleton University, March 20th, 1964.

Increasing activity in inter-disciplinary research and graduate studies of interest to members of the Faculties of Medicine and Engineering Science led to a meeting on January 22nd at which the formation of a Committee on Bio-engineering was discussed. Subsequently, Dr. J. A. F. Stevenson, Head of the Department of Physiology, was appointed Chairman, with Professor G. F. Chess as Secretary, and Professors A.C. Burton, Head, Department of Biophysics, and W. Bulani, members. At the inaugural meeting held on 5th June, it was agreed that the committee should provide liaison between research workers in this inter-disciplinary field and advice in respect of grants-in-aid. Consideration was also given to enlarging the committee to include representation from Applied Mathematics, the Biological Sciences and Clinical Medicine.

A point system has been developed to facilitate equitable distribution of teaching assignments. Taken into account are assigned lectures and laboratories at both the graduate and undergraduate level as well as supervision of graduate and fourth year students and research.

In February 1964 a series of group conferences was organized at which budgetary and other matters were discussed. The meetings which did much to improve inter-faculty communication are to be continued in the future.

Professor Davis commenced taking over his new duties as Secretary of the Faculty. This new office has been created in order to simplify and improve Faculty administration. In addition to assuming the duties of Secretary of the Faculty Council, Professor Davis will also act as permanent Secretary to the Standing Committees of Council.

The following table shows the continuing growth of the staff of the Faculty of Engineering Science since 1960-51.

	Professors			Lecturers			Total Academic			
Year Fu	all Assoc.	Asst.	<u>F.T</u> .	<u>P.T</u> .	Demo.	<u>F.T</u> .	<u>P.T.</u>	Tech.	Secy.	Total
60-61 2	3	5	3		5	13	5	2	2	22
61-62 2	4	7	1	1	9	14	10	3	2-1/2	29-1/2
62-63 2	4	8	3*	1	12	17	13	6	2-1/2	38-1/2
63-64 3	4	11	2*		13	20	13	7	4	44

In 1963-64 the student/staff ratio was 12.4 vs. 12.7 for 1962-63. Present plans for faculty growth and forecast enrolment envisage a gradual improvement in this ratio to 10.5 by 1970-71.

The faculty adviser system has been in operation for three years. The experience gained so far has identified a number of problems which must be overcome before such a system can be adjudged truly successful. In the first place it must be recognized that not every member of faculty can be an effective counsellor. In addition to having a genuine and sympathetic interest in the student and his problems both academic and personal, the adviser must possess a special aptitude for gaining the students' confidence and establishing the necessary rapport, without which very little is The student himself in general proves not to be accomplished. helpful. He tends to avoid interviews and to be suspicious of most attempts to gain his confidence so that in too many cases he is beyond help by the time his problem comes to the attention of his adviser. In spite of these and other difficulties there continue to be cases where a faculty adviser spells the difference between success and failure. As long as this continues we are encouraged to continue our efforts.

In November 1962 a forecast of development for the Faculty showed clearly that space in the Engineering Science building was inadequate to meet requirements to the fall of 1969 when, according to the University's Capital Expansion plan, additional facilities would be available. The critical question of room for expansion was dealt with first in our annual report for 1961-62 and recent experience does nothing to allay concern for the future. As forecast then we have been able to accommodate new staff and increased enrolment and to provide additional research facilities by rearranging and modifying our existing building, and we should be able to continue thus for one or at most two more years. Beyond this, however, it is difficult to see how development can continue within the limits imposed by present accommodation.

The satisfactory progress which our research and graduate studies program continues to make is indicated by the following table:

Year	No. of Staff Participating	Expenditure	No. of Grad. Students
60-61	2	3978	0
61-62	5	13930	0
62-63	10	24765	4
63-64	12	44936	13
64-65 (Esti-	17	90000	17
mated)			

A substantial increase is noted in the number of projects under way, in graduate enrolment and in the number of faculty directly involved in research. It is particularly encouraging to note that the number of agencies sponsoring research including industry continues to grow. Of special note is the grant-in-aid by the Ontario Department of Health to Dr. J. L. Kearns to carry out research into the control of air pollution. This project is believed to be the first of its kind to be sponsored by a government agency in Canada. Professors Quigley and Young are to be commended also for their negotiations aimed at gaining support for industrially sponsored research projects. The rapid growth and progress achieved in the Master of Engineering Science program has encouraged the Committee on Graduate Studies to seek authority to offer courses at the Ph. D. level. A proposal being prepared by a sub-committee under the direction of Dr. Nowak will, it is hoped, be ready for submission to the Faculty of Graduate Studies by the fall of 1964.

During the year some progress has been made in curriculum development. For the first time the work of the Educational Policy Committee has been aided by funds provided for research in engineering education by the Bickell Foundation, by John Labatt Ltd., and by the University. The background for much of the work done during the year was provided by a report prepared by Prof. Sir John Baker, Head of Cambridge University's Engineering Department, and by data collected during the past few years by Professor Foreman and other members of Faculty.

From October to December 1963 Professor Foreman visited Cambridge University's Department of Engineering Science where he was assigned as a part-time lecturer and an observer. Professor Foreman's visit, made possible by the Bickell Foundation Grant, was to gain first-hand experience of the Cambridge system, and to visit a number of engineering schools and technical colleges in the United Kingdom.

From February to April 1964 Mr. J. L. Reddaway, Assistant Secretary of the Faculty Board of Cambridge University's Engineering Department visited Western to assist in the deliberations of a curriculum planning committee. Professor Reddaway was engaged in the study of the introduction of a general engineering science program and of a system of supervision based on that now offered at Cambridge.

The Curriculum Planning Committee under the Chairmanship of Professor Foreman and later Professor Poucher, recommended to the Faculty Council a comprehensive plan for curriculum development which included the following features:

> A long range (5 year) plan scheduling the work to be undertaken under the auspices of the Educational Policy Committee for the period to 1967-68. Included also was an outline for the development of staff and building facilities. The plan is to receive final approval of the Faculty Council in the fall of 1964, and is to be revised annually each year

thereafter.

A supervision scheme is to be tried at the second year level during 1964-65. Faculty will participate on a voluntary basis and each student in the second year will receive 1 hour a week of supervision, and will take part in specially prepared problem classes covering as wide a range of subjects as possible. Initially no change in lecture or laboratory schedules is planned although if successful supervision might result in some reduction of conventional instruction time. The scheme will be administered by Professors Poucher and Davis.

A comprehensive study of the first year of the Engineering Science program will be undertaken during the 1964-65 academic year. The project which is considered to have top priority will be under the direction of Professor Foreman.

Professor G. S. Emmerson has been authorized to commence a study of a revised program in humanities and social sciences for Engineering Science students. This program will receive more intensive study during the year 1965-66.

Dr. J. L. Kearns has been charged with recommending modifications to the fourth year Engineering Practice Course.

Perhaps the highlight of the Curriculum Development Program for 1964-65 will be the beginning of detailed planning for the Materials Science program. This will involve initially the development of courses for all students in Materials Science and could eventually lead to a separate optional program. This work will be under the direction of Professor G. Alwyn Geach who comes to the Faculty after a distinguished career in research with Associated Electrical Industries in the United Kingdom.

Professor G. F. Chess reports a fourth year field trip in December 1963 to Imperial Oil Enterprises Ltd., Sarnia. The third year visited the fine paper mill of Provincial Paper Ltd. in Thorold in January 1964 and the refinery at Imperial Oil Enterprises Ltd., Sarnia in March 1964. The Hamilton Works of the Steel Company of Canada Ltd. organized a plant visit for the second year in March. Plans being developed by Professor Chess to improve the effectiveness of student field trips will be discussed with members of the Engineering Science Advisory Committee in October 1964.

This year 3 guest lecturers assisted Professor Kearns in the fourth year Engineering Practice course. These were Dean Ivan C. Rand of the Faculty of Law, Dr. John Convey, Director of the Mines Branch, Department of Mines and Technical Surveys and Mr. V. L. Burkholder of the Engineering Department, Imperial Oil Ltd. Mr. Burkholder lectured on Critical Path Scheduling.

The next meeting of the Engineering Science Advisory Committee will be held in October 1964, the theme being more effective participation in engineering education by engineers from industry. The proposed agenda will include a discussion of student field trips, the integration of university and industrial research and curriculum development.

The Undergraduate Engineering Society under the capable leadership of Mr. Carl Kohn enjoyed a most successful year with over 80% of the student body as paid-up members.

The constitution of the Society was revised and plans were begun for the publishing of an annual Engineering Journal. Further progress was made in the establishment of a student lounge.

On 6th February the annual broom ball game once again found the faculty both out-played and out-numbered by members of the graduating class and graduate students. The Engineers' Ball held on February 7th, thanks to the all-out efforts of the Committee was judged to be by far the best to date. A highlight was the entertainment provided by Professor Young.

Mr. John Grace, E.S. <sup>1</sup>65 was the first Engineering Student to be elected President of the University Student Council. In January it was learned that for the first time two of our students, Mr. Carl Kohn and Mr. Glen Pearce had been awarded Athlone Fellowships.

A highlight of the Students' Section of the Engineering Institute of Canada was the Student Night held on April 7th, when the four finalists in the Project and Thesis competition presented papers. The winner was Mr. J. Kortschinski. The panel of judges included Messrs. V. A. McKillop, Past President, Engineering Institute of Canada, G. E. Humphries, President-Elect, Engineering Institute of Canada, and E. A. Oddleifson, President, London Branch, Engineering Institute of Canada.

# SCHOOL OF BUSINESS ADMINISTRATION

## Report of the Dean - J. J. Wettlaufer

The work of the academic year 1963-64 evidenced a major advance at the School of Business Administration. The faculty joined together to consider and approve a major revision in the MBA I program. The Ford Foundation, after a careful investigation of the work being done by the School, made a grant of \$315,000 towards the development of the doctoral program at the School. Interest in all of the educational programs offered by the School continued at a high level.

## Academic Programs

Enrollment in the Graduate School set a new record of 224. It is interesting to note that although the registration in the undergraduate program has remained steady, there has been a significant increase in the pre-business I registration which should reflect a future increase in the undergraduate enrollment. Registration in the MBA program has continued to show a steady increase with 128 candidates in the first year and 96 candidates in the second year. The class statistics indicate an excellent geographical distribution: Ontario - 90; Quebec - 54; Manitoba - 19; Alberta - 19; British Columbia - 10; with representation from the remaining provinces as well as the United States, India, Jamaica and Mexico.

The doctoral program has extended its offerings and has taken a candidate into the marketing area. It is hoped that the School will soon acquire additional faculty to enable it to accept candidates in all of the major functional areas of Business Administration. In the Convocation of June 1964 the degree of Bachelor of Arts, Honours Business Administration, was conferred upon 62 graduates and the degree, Master of Business Administration, was conferred upon 90 graduate students.

Curriculum Development

A committee of the faculty under the chairmanship of Dr. A. R. Wood made a careful study of the present MBA program in light of current and future technological and behavioural science advances and their effect upon the businessman. This report formed the basis of weekly meetings of the faculty and finally resulted in a consensus as to direction and course of action. The new changes provide (a) education in areas of increasing importance to business managers and business decision-making and (b) a program structure which facilitates the changes in emphasis which the new courses bring and which will enable us to more easily incorporate new knowledge as it arises. The Senate subsequently approved changes in MBA I curriculum. A small group of senior faculty was appointed to develop the new program and has met regularly to ensure complete integration of the new materials into all of the functional courses.

The School also re-examined its report writing program in regard to the changing needs of the business community and the business student. As industry continues to grow more complex, the reliance on spoken communication becomes less and less feasible and skill in written communication more essential. A report was prepared by Mr. Milan Moravec and Mrs. Miriam Ulrych which formed the basis of discussions with the junior class teaching group and the MBA I class teaching group.

### Financial Assistance

The School was very pleased to receive a major grant of \$315,000 from the Ford Foundation in support of its newly developed doctoral program. The grant covers a five-year period beginning July 1st, 1964 and provides money for doctoral candidate fellowships, faculty and doctoral research on Canadian business problems and provision for an outstanding visiting professor. The grant represented an important break-through as it was the first made in the field of business administration in Canada. It was a result of the successful teamwork of the School of Business Administration Faculty, the Faculty of Graduate Studies, the Associates, the University Administration and the Advisory Committee of the School of Business Administration.

Faculty Publications

The scholarly interests and intellectual curiosity of the faculty were demonstrated not only in the classroom but also in the research projects and publications which are appended to this report.

Dr. D. S. R. Leighton completed a new book, entitled INTERNATIONAL MARKETING - TEXT AND CASES which will be published by McGraw-Hill, New York in spring 1965; Dr. D.S.R. Leighton and Dr. D. H. Thain completed the revision of their book PROBLEMS IN MARKETING - second edition and it will be published by McGraw-Hill, Toronto, in the spring of 1965. Dr. Richard C. Hodgson, who recently joined our faculty as an Assistant Professor of Business Administration, has worked in collaboration with Dr. D. J. Levinson of the Harvard Medical School and Professor A. Zaleznik of the Harvard Business School in preparing a report on his research into the functioning of executive groups and organizations. A book entitled, THE EXECUTIVE ROLE CONSTELLATION: An Analysis of Personality and Role Relations in Management, is scheduled for publication in early 1965. Research in the field of distribution, supervised by Dr. D. S. R. Leighton with the assistance of Messrs. John Wilding and David Wilson has resulted in the publication of a research study - THE DISTRIBUTION OF PACKAGED CONSUMER GOODS: An Annotated Bibliography. Dr. A. A. Grindlay published a research finding entitled, OPERATIONS RESEARCH IN CANADA -1963, which was co-authored with Mr. Kenneth Barlow. He also co-authored an unpublished paper with Peter Kirkham, entitled THE ROLE OF BUSINESS GAMES IN TRAINING MANAGERS.

The faculty has been very active in the meetings of associations and societies. A paper was presented to the joint meeting of Operations Research Society of America and the Canadian Operations Research Society in May 1964 by Dr. A. A. Grindlay, entitled <u>TANDEM QUEUES WITH DYNAMIC PRIORITIES</u>. Professor Craig Lundberg delivered a paper to the Northeast Anthropological Conference in March 1964 at McMaster University, entitled <u>SOCIAL INVENTIONS</u> IN FIELD WORK: CONCEPTS AS RECIPROCITY. Dr. D. S. R. Leighton gave a paper to the 8th Annual Business Conference, entitled <u>TOOLS</u> FOR MARKETING AND PROFITS, May 1964. Dr. R. E. Sproule presented a paper, <u>MANAGEMENT RESPONSIBILITIES TO MANAGE</u>, to the Bakery Council of Canada Convention in Montreal.

Faculty Research

The School is spending an increasing amount of its resources in the area of research, both project and case. In co-operation with the Bell Telephone Company, the School is researching the effect of a Management Training program upon the individual and the organization. The project leader is Dr. Bernard Portis and the research team consists of Associate Dean Walter A. Thompson, Mr. Gillies Moffett and Mr. Nicholas Yarmoshuk. This represents the first major piece of team research upon which the School has embarked. The School undertook a survey of employment characteristics for the Ontario Economic Council. The project is under the direction of Professor F. W. P. Jones and the project leader is Mr. James Nininger with the assistance of Dr. B. Portis of the Business School and Dr. S. G. Peitchinis of the Department of Economics. A number of other research projects are under way and are appended to this report.

#### Case Research

The vitality and growing strength of the School of Business Administration lies in the continual flow of new case problems into the various courses of the program. With the advent of the program revision, a considerable amount of time was spent in developing new materials for all of the courses being taught in the first year program. Particular attention was given to case problems in the Production, Finance-Control and Marketing areas. Dr. A. R. Wood and Mr. Rein Peterson collaborated to produce eight cases, a technical note and two exercises in the general area of Production. Dr. S. A. Martin continued the course development in the area of Financial Institutions. Progress indicates that the course will be offered with almost fifty percent newly written Canadian material. The balance will be made up from Harvard Cases and Royal Commission material. Professor F. W. P. Jones continued his work in developing an Investment Management course which will now be wholly Canadian in content. Professor W. A. Thompson and Mr. Norman Macintosh made a considerable revision to the course offerings in Business Society for the year 1963-64.

# Programs for Executives

Interest in the management development programs offered by the School continued at a very high level. The demand for the 17th Management Training Course was the highest we have had for some years. As a consequence, we were unable to accommodate all of the qualified applicants and there is now a waiting list for the 18th session. The Course objectives were substantially the same as in past years. Each instructor added new materials to bring his particular area up to date. Professor C. A. Bliss of Harvard brought in some interesting materials on the use of the computer. There was a continuing experimentation with study groups. Class statistics indicate:

General executives	45
Engineering and Production	26
Marketing	26
Accounting & Financial Officers	23
General	9

The average age was 42 and the participants came from most provinces in Canada as well as the United States and Chile. To date, 1692 men have received diplomas through the Management Training Course. There is a feeling that the School should explore short courses to enable these graduates to up-date their background in the future. The Course was under the direction of Professor W. A. Thompson and the instruction was given by Professors Bailey, Folts, Bliss and Walker from Harvard and Leighton, Taylor, Thain and Wettlaufer from Western.

The Marketing Management Course completed twelve years of operation with the closing of the 1964 session. Enrollment for this year totalled 99, including one man from England and one man from the West Indies. The Course was staffed entirely by U. W. O. faculty, including Professor C. B. Johnston - Course Director, and Professors Leighton, May, Nicholson, Pearson and Thain. Prospects for the 1965 session are encouraging, with some forty holdover applications from 1964.

The School of Business Administration has continued its policy of helping associations and organizations to provide educational opportunities for their members. The School joined with the Faculty of Medicine to co-sponsor a seminar on Alcohol and the Problems of Addiction, in co-operation with the Drug Addiction and Alchoholism Research Foundation. Professor R. K. Ready acted as our liaison on the planning committee and Professor Robert E. Sproule gave assistance as a seminar leader. The seminar attracted 88 participants.

The School co-operated with the Financial Analysts of Toronto and Montreal to sponsor the first Canadian Investment Analysts Seminar. Sixty-seven security analysts enrolled for this four-day project. These men came from various parts of Canada and the United States. Professor F. W. P. Jones acted as liaison for the School, assisted by Messrs. Nicholas Yarmoshuk and John Wilding.

Dr. A. R. Wood and Professor Craig C. Lundberg presented a seminar on SYSTEMS MANAGEMENT for the Society for the Advancement of Management in February, 1964. Professor C. B. Johnston participated and advised in the development and preparation of three marketing courses to be offered on a local level in conjunction with the Federal Government to men in small businesses across Canada. These courses form part of the small business management training program being developed by the Department of Labour in Ottawa. Dr. Michiel R. Leenders helped to develop a course in purchasing for the Small Business Management Program. Faculty members assisted in programs for the Canadian Industrial Management Association, the Canadian National Railways, Canadian Association of Advertising Agencies, the Junior Chamber of Commerce, the Senior Chamber of Commerce, Senior Officer Conference of the Ontario Civil Service Commision, the Society of Industrial Cost Accountants, the Professional Engineers, Ontario Police College and the Royal Canadian Air Force.

## The Business Quarterly

The Business Quarterly, under the leadership of Professor J. McDougall, has had wide recognition as an outstanding Canadian Business publication directed to middle and top management. Circulation has risen to well over six thousand and seventy-five per cent of the paid subscribers are from the level of branch manager up to president and director. The basic aim of the Business Quarterly is to provide a continuing education for the Canadian business man. It is essential that the University consider its part in providing a publication of this quality as one device to offer through the printed work an extension of the classroom to the business man. One of the current interests of the Business Quarterly is to give more support to the interdisciplinary approach to business problem solving. This has meant that more specialists from among the different academic disciplines are being encouraged to write articles directed towards the business man. Support from the academic community is also growing - in the past year we have published twenty-four articles written by academics. Seven of our colleagues in the School of Business Administration have contributed full-length articles and

eighteen academics residing in twelve universities in Canada and the United States have had articles published in the 1964 issues of the magazine. Some of the authors who have appeared in the past year's <u>Business Quarterly</u> are R. K. Ready, Craig Lundberg, G. Moffett, A. Grindlay, B. Portis, A. Wood, K. Barlow, T. Bliss, J. Peter Williamson, R. A. Johnson, F. E. Kast, J. E. Rosenzweig, K. P. Charles, H. I. McDonald, Harry E. Johnson, Earl Beattie, Ralph W. Nichols, W. J. Reddon, H. E. English, A. R. Plotnick, A. A. Sherbini and C. G. Edge. Over 9,900 reprints have been ordered of articles appearing in the Business Quarterly in 1964.

# The Placement Program for Students

It is interesting to note that of the ninety men graduating with MBA degrees, eleven will be going into the academic world. Three of these men have joined our faculty as instructors, two have joined the faculty of other universities, one is teaching High School and five have embarked on doctoral programs. One third of the class in Honours Business Administration are going to continue their educational experience toward degrees in Chartered Accountancy, Law, or the MBA. During the 1964 recruitment period, 247 company interviewers conducted over 1200 interviews at the School. In the past year, Mr. Neil M. Armstrong, Administrative Assistant and Placement Director, was Chairman of the Conference of Placement Directors at Halifax in June. He is also a member of the Placement Guides Committee of the College Placement Council and an executive member of the College Placement Council.

The Undergraduate Business Council and the MBA Association sponsored their annual Job Forum. A large number of business executives discussed their particular job responsibilities to assist the students in making a career decision. The luncheon speaker

was Mr. Carl Pollock, President, Dominion Electrohome Industries Ltd.

# Alumni Activities

A grass roots movement within the MBA alumni has resulted in MBA Associations being formed in Toronto, Montreal, and Vancouver. The Toronto group headed by Mr. Gerry Brock, MBA '60, held a joint meeting with MBAs from Harvard and Toronto Universities. The panel topic, "Labour-Management Relations" was discussed by Mr. R. Yohe, President, B. F. Goodrich Canada Ltd.; Mr. W. Dodge, Vice-President, Canadian Labour-Congress; Mr. A. Page, Personnel Director, Goodyear Tire & Rubber Co. of Canada Ltd.; and Mr. G. Cushing, Deputy Minister, Federal Department of Labour under the chairmanship of Professor J. J. Wettlaufer. The MBA Association in Montreal under the leadership of Mr. Alek Olsen, MBA '58, has sponsored a series of meetings featuring outstanding business leaders. In an effort to support the School, the Montreal group invited potential MBA candidates from McGill, Loyola, Sir George Williams and the University of Sherbrooke, to a dinner meeting. Dean J. J. Wettlaufer discussed program changes in the proposed MBA program revision.

The Eighth Annual Business Conference under the leadership of Mr. Wm. Hawkins (Bus. '50), Ford Motor Company, and Mr. Bernard Kuehn (Bus. '53) International Business Machines, had another record-breaking enrollment. The Conference theme was "Competition for Profits". The sessions were presented by Mr. V. W. Scully, President, the Steel Company of Canada Ltd., the Honourable C. M. Drury, Minister of Industry; Mr. Eric W. Kierans, Minister of Revenue, Quebec; Mr. Bertram I. Loeb, President, M. Loeb Ltd.; Mr. Robinson Ord, President, Chemcell (1963) Ltd.; Mr. J. D. Paddon, President, Waterloo Textiles Ltd.; Mr. R. W. Yantis, President, Delta Acceptance Corporation Ltd.; Mr. Paul J. Lovewell and Mr. R. D. Bruce, Stanford Research Institute; Professors D. S. R. Leighton and F. W. P. Jones of our faculty. The Conference drew 273 men from Calgary to Fredericton as well as some from the United States. This Conference continues to be organized primarily by alumni from the undergraduate, graduate, Management Training and Marketing Management Courses.

### The Faculty

The Board of Governors approved the appointment of Dr. Richard

Hodgson, M.Sc. (Psychology) McGill and D.B.A. Harvard; Mr. Al Mikalachki, B. Comm. Sir George Williams, MBA Western, who returns from leave with doctorate pending and Mr. Peter Kirkham, MBA Western and M.A. (Economics) Western. We were pleased to have Dr. Harold Rea, former President of Canadian Oil, as a visiting professor during the year. Dr. Rea presented a series of seminars on "The Role of the Chief Executive". The Board also approved the appointment of three new instructors, Messrs. Paul

## Bishop, George Forsyth and Peter Miller.

Outstanding teaching, research and professional achievement resulted in the following promotions on July 1, 1964; John T. Nicholson, Professor of Business Administration, Donald H. Thain, Professor of Business Administration and Andrew Grindlay, Associate Professor of Business Administration.

A one-year leave of absence was granted to Dr. R. K. Ready to enable him to direct a team of Ph. D. s in Cairo, Egypt, under the support of the Ford Foundation. Resignations were received from C. K. May who is returning to the business community and Dr. Dwight Ladd who has accepted a position with the University of New Hampshire. We extend our best wishes to these colleagues in their new associations.

Dr. D. S. R. Leighton was Visiting Professor at Stanford University in June and July, 1963 and Visiting Professor at the International Marketing Institute in Boston in July and August, 1964. Professor Craig Lundberg was awarded a Ford Fellowship to participate in a Ford Foundation sponsored Workshop on Experimental Economics at Carnegie Institute of Technology in Pittsburgh in August, 1964. Dr. A. R. Wood and Professor J. McDougall were awarded Fellowships by the Massachusetts Institute of Technology to attend a special seminar in Boston in June, 1964.

Several members of faculty contributed their time and energy to public welfare. Here are some of the additional responsibilities undertaken by our faculty during 1963-64: Professor J. McDougall, a member of the Committee on Continuing Education for the Institute of Chartered Accountants of Ontario, Honorary Auditor of the C. A. U. T. National Body; Dr. Michiel R. Leenders, Educational Adviser to the Canadian Association of Purchasing Agents; N. M. Armstrong, Chairman of the Placement Division of U. C. P. A., Executive Member College Placement Council; Professor J. J. Wettlaufer, Vice-President, Canadian Association Schools of Business and Commerce; Dr. D. S. R. Leighton, National Director American Marketing Association.

This School and Faculty acknowledges with thanks, the splendid support which has been given by the Advisory Committee, the Associate companies, the Schools and Faculties of the University and the Administration. Without their warm support most of this would not have been possible.

# SCHOOL OF NURSING

# Report of the Dean - R. Catherine Aikin

The following number of degrees and diplomas were conferred during the 1963-64 academic year.

October 1963 Convocation: -

Bachelor of Science in Nursing - Program A Bachelor of Science in Nursing - Program B	-	1 11
Diploma in Nursing Education Diploma in Nursing Service Administration Diploma in Public Health Nursing		7 6 11
May 1964 Convocation:-		
Master of Science in Nursing	-	2
Bachelor of Science in Nursing - Program A Bachelor of Science in Nursing - Program B	-	15 37

In comparison with the previous academic year, six fewer Master's degrees, twenty-three more Bachelor's degrees and two more diplomas were granted. The failure rate remained at nineteen per cent.

- 62 -

# Enrolment

The enrolment of graduate registered nurses showed an increase of ten per cent - a total of two hundred and forty-nine. Forty-three of these nurses were also registered in University College, two in Brescia College of Arts and ten in the Faculty of Graduate Studies.

Twenty-nine students registered in University College for the first year of the Bachelor of Science in Nursing Program A.

# W. K. Kellogg Foundation Grant

During the fifth year of the grant from the W. K. Kellogg Foundation, the Faculty has reviewed the graduate program and considerable reorganization has taken place. Because students are enrolled with such varied backgrounds of experience and education, they will now be admitted conditionally for the first term. This will permit the Faculty to evaluate the students and recommend any additional courses and experience which seem advisable.

Further progress has been made in writing cases for teaching nursing administration. During the summer of 1963, Mr. Robert Wyckham again assisted with this project.

# Faculty Changes

Miss Louise Brown was granted a year's leave of absence to study and Miss Margaret Atkinson assisted with the program in Public Health Nursing for this year.

Miss Eileen Healey returned from leave of absence to study. Mrs. Vivian Wood was granted leave of absence to study during the summer of 1963.

Miss Dorothy Hibbert joined the Faculty on July 1, 1963. Miss Hibbert had been a member of the Faculty of the School of Nursing, University of Saskatchewan. She is very well prepared in the field of hospital nursing service and is making an outstanding contribution to our programs.

It continues to be very difficult to recruit qualified nurses for Faculty positions. Efforts are being made to encourage young graduates to gain the necessary experience and education, so they may be eligible for university appointments in the future. Financial assistance is limited, but there is some evidence that more bursaries will be available in the future.

# Non-Credit Courses

The second Seminar for Senior Nursing Executives was held from June 22 to July 3, 1964. Thirty-one nurses attended this Seminar. Approximately one-third of the nurses attending were administrators or supervisors in public health agencies. The

remainder held positions as supervisors or administrators of nursing in hospitals. There were more nursing executives from small hospitals at this year's Seminar than there were attending the first Seminar. One nurse came from Newfoundland. All the remaining participants are employed in Ontario. Three participants had attended the first Seminar for Senior Nursing Executives.

There appears to be a great need for such a program and, although the enrolment was not as large as anticipated, the participants were eager for any assistance made available to them. This two-week program requires many hours of planning previous to the actual sessions, yet the Faculty believes it is a worthwhile project and should be continued annually.

This year, for the first time, a non-credit course in Ward Administration was offered through the Extension Department. One hundred and sixteen nurses attended and some of these nurses travelled a hundred miles once a week for ten weeks. There is no doubt that this course was well received and plans are being made for further activities of this nature.

In cooperation with the Faculty of Medicine Department of Obstetrics and Gynaecology, a two-day refresher course in Obstetric Nursing was held in March 1964. Miss Ernestine Wiedenbach, Associate Professor, Yale University School of Nursing, made an outstanding contribution. Everyone was particularly interested in the research she has been conducting in relation to nursing care of patients. The Faculty of the School of Nursing would like to thank the Faculty of Medicine for their willing cooperation and excellent lectures which contributed so markedly to the success of this Refresher Course.

### Programs

The Faculty of the School of Nursing is presently engaged in reviewing the undergraduate programs and studying the possibility of establishing a basic nursing program in which the University would be responsible for its total content. It is hoped that we will be able to offer such a program by the fall of 1966.

# Other Activities

The Dean and Miss Dorothy Hibbert accompanied members of the London Health Association and members of the Faculty of Medicine in visiting three medical centers in the United States. A great deal of information was acquired and much of this has already proven helpful.

Dr. Amy Griffin visited the Department of Nursing at Yale University for one week to study their approach to Research in Nursing.

The Canadian Nurses' Foundation called a two-day meeting of all the Deans and Directors of University Schools of Nursing. Attention was primarily focused on the need for prepared nursing leaders in Canada. The Deans and Directors plan to meet next November to continue the discussions and perhaps attempt some regional planning.

The Faculty has again been very active in nursing and community organizations; The Registered Nurses' Association of Ontario, The Council of the College of Nurses of Ontario, The Canadian Conference of University Schools of Nursing, the Canadian Nurses' Association, The Canadian Nurses' Foundation, The Local Council of Women, etc.

Miss Mildred Tuttle, Nursing Consultant, W. K. Kellogg Foundation, visited the School in April. All of the Faculty had an opportunity to talk with her and, as usual, found her stimulating and encouraging.

The success of the programs of the School of Nursing depends upon many individuals and agencies. We are grateful for the excellent

cooperation we always receive and for the quality of contribution each makes.

#### BRESCIA COLLEGE

#### Report of the Dean - Mother M. Dominica

This year saw the completion of the Mother St. James Memorial Arts Building. The Blessing and Formal Opening took place on Sunday, March 8, conducted by His Excellency G. Emmett Carter, Bishop of London. Among the distinguished speakers, Dr. G. Edward Hall paid special tribute to Mother St. James, reading the citation he had given at the Convocation in 1955, when the University had conferred on her the degree of Doctor of Laws, honoris causa. Mother St. James had been Professor of English, 1924-1957 and was Dean of the College, 1939-1956.

Many civic and religious dignitaries, officials and administrators of the University and neighboring universities were present. Fremier Robarts, unable to attend, sent his greetings. On a conducted tour of the building, the guests were shown the library, classrooms, language laboratory, seminar room, auditorium, lounges, faculty offices and recreation room. The architect, Mr. Joseph W. Storey, B. Arch., M. R. A. I. C., of Chatham, skillfully solved the problem of combining three functions (auditorium, classrooms and library) in one building running downhill, by relating them to each other on split-levels, conforming to the natural contours of the site. Credit Valley stone was used in the structure in keeping with other buildings on the Brescia and University campuses. The modern features of pre-cast concrete vertical sections and light green porcelain tile add beauty and harmonize with the natural setting.

The building meets urgent needs for expansion. Library stack space can hold up to forty thousand volumes, and the reading areas and carrels can accommodate over one hundred students. The library also includes a periodical room, an audio-visual room, librarian's office and a workroom. The language laboratory is equipped with thirty units. The classrooms seat between forty and seventy students, and the seminar room accommodates thirty.

The Brescia Lecture League sponsored nine lectures:

Mr. Louis Charrette, Windsor - "The Montessori Method"

Dr. Jaroslav Havelka, U. W.O. Mrs. Mary Barber, London Mr. Wilfrid Lamb, B. Arch., London

Msgr. Anthony Durand, St. Peter's Seminary

Rev. Dr. J.G. Rowe, Dean of Arts, Huron College

- "Confession and Fsychoanalysis"

- Fanel on "Mass Media"

- "New Types of Church Architecture"

- "Image and Imitation"

- "The College of Cardinals in the Twelfth Century"

Dr. and Mrs. Marshall McLuhan, - "Crisis in Foreign Affairs" University of Toronto His Excellency G. Emmett Carter, Bishop of London - "Ecumenism"

Dr. Roy Battenhouse, visiting professor at the University - "The Fhilosophy of St. Augustine"

Brescia College was hostess to the U.W.O. Flayers Guild in February. The Guild presented two one-act plays, Two Gentlemen of Soho by A. F. Herbert, and Bertolt Brecht's The Exception and the Rule. The Brescia-Christ the King College Drama Guild staged Tad Mosel's Impromptu.

Mother M. Corona was guest speaker at the Huron College Colloquium in February. Her paper was "Henry James's Concept of Fatherhood: A Study of Three Types".

Sister M. Scholastica was awarded an Ontario Scholarship of \$1500 for graduate work in History, which she will commence at Western this fall.

Mother M. Teresa, of the German Department, went for the

summer to Germany on the Werkstudentenflug sponsored by the German Embassy. Two of her students availed themselves of this opportunity to extend their liberal education.

Last summer Mother M. St. Michael received a Canada Council grant of \$850 to do research at the Widener Library, Harvard. Her work was done in philosophy and psychology and, if completed, will be a book. The Canada Council also sent Mother St. Michael to the International Congress of F sychology in Washington, D.C. in August.

Six first-year students joined the Conference on Inter-American Student Projects (C. I. A. S. P.) and went in May with a team of thirty-nine students from other Canadian colleges to Pisaflores, Hidalgo, Mexico. Their project was to help the impoverished town economically, medically and spiritually. The girls were: Nora Hall, Sue Hamilton, Jeanne Melady, Elizabeth Huszczo, Betty Ryan and Helene Caouette. They remained in Mexico six weeks. C. I. A. S. F. was founded in 1963 by students and Mexican laymen and clergy. St. Michael's College, Toronto, is the center of the organization, which resembles the Peace Corps in aims and methods.

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### HURON COLLEGE

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### Report of the Principal - J. Grant Morden

# Amendments to Huron College Act

The following amendments were passed to the Huron College Act, receiving their third reading on February 14, 1964. Under these changes the Bishop of Huron became the Chairman of the Corporation of Huron College as of June 1, 1964, and Dr. A. B. Lucas became the Chairman of the Executive Board of the College. Huron College pays tribute at this time to its retiring Chairman of the Corporation, Dr. G. F. Kingsmill, M. B. E., who has served so well and so ably in this office since the establishment of the Act respecting Huron College in 1958. It will be with a great sense of loss that we see him relinquish his office. He has graced the office both by his ability and by the stature and quality of his own life. Dr. Kingsmill has, through the years, been a continuing supporter of the growth and development of this College, and while we know that in the years ahead he will be continuing with us on the Corporation and that his interest and love of Huron College will follow the developments of the College, yet at the same time we would wish him to know how much his term of office as Chairman of the Corporation has meant to all of us. However, as the sadness of the changing of officers in any institution is ameliorated by new incumbents, so in this case we rejoice that the Bishop of this diocese, The Rt. Rev. G. N. Luxton, (or in his absence, the Rt. Rev. W. A. Townshend), takes up the position of Chairman to preside over the Corporation and to award degrees and titles in Theology on behalf of Huron College.

#### The Centennial Year

The Centennial Year has left its mark upon the College, not only

in the terms of certain physical developments such as our new women's residence, student activity centre, the plaque commemorating our founding, (unveiled by the Archbishop of Canterbury on August 6, 1963) and the newly painted portrait of Archbishop O'Neil now hanging in the Great Hall; but it has also left its mark in intangible ways such as having established the College in the hearts and minds of the leaders of the Anglican Communion from around the world because of the memorable meetings that were held prior to the commencement of the Anglican Congress last summer. It is a source of deep inspiration to all of us to realize that the great document of the Anglican Congress, the document on Mutual Responsibility and Interdependence in the Body of Christ was developed and had its birth under our roof. We believe that this document is destined to change the course of the Anglican Communion and play an important role in all our lives. In connection with this Centennial Year I must pay tribute to Mr. P. A. DuMoulin and Mr. E. M. Kennedy, the Co-Chairmen of our Centennial Year Financial Campaign, for the wonderful work that they have done and are doing on behalf of this College. The Centennial Year Financial Campaign had an objective of \$500,000 to pay for the last remaining part of the capital debt on the physical plant of the College with has a total cost value of \$2,900,000 and an actual replacement value of a considerably higher sum. Due to the hard work of the Co-chairmen and their fellow executive officers, and the generosity of our friends, we have as of this date passed the \$430,000 mark. It is our earnest hope that we will be able to announce the achieving of our objective before the end of this calendar year.

Huron College wishes to acknowledge all special gifts, and while it is unwise to select any for naming when it is impossible to list all, I beg your indulgence if I mention four:

- The gift of the beautiful new Principal's Residence, (1379 Western Road) by an anonymous friend of the College. This residence and property adjoins the Huron College property.
- (2) The original papers of Bishop Benjamin Cronyn given by Mr. V. P. Cronyn and the members of the Cronyn family.
- (3) The labour of love of Dr. J. J. Talman in writing and presenting to Huron College as a gift his history, "Huron College 1863 - 1963".
- (4) The new 16th Century tapestry hanging in the redecorated

main entrance memorial tower; a gift of Mr. and Mrs. B. M. Greene.

## Registration of Students

It will be noted in the following statistics that Huron College no longer teaches at the preliminary year level and now registers students on the same admission requirements as the colleges of the constituent university. This past year for the first time Huron College started to register students for honour programmes only in English, History, Philosophy or honour programmes that included one of these three in their combination. We expect in the next two years to have a greatly increased number of students registered in these three areas of honour work.

# Registration

Faculty of	Faculty of Theology				
the second and	1962-3	1963-4		1962-3	1963-4
Preliminary Year	14	112-1	First Year	16	13
First Year	219	219	Second Year	9	12
Second Year	142	174	Third Year	11	10
Third Year	127	117	Occasional	3	2
Fourth Year	15	7			
Occasional		5		allo on	
	521	522		39	37

# Faculty Changes for the Academic Year 1963-64

#### New Appointments:

- Mr. Frank P. Cass, B.Sc., M.Sc. (Victoria University of Wellington, New Zealand) Lecturer in Mathematics (part-time)
- Mr. Alton W. Craig, B. Comm. (St. Dunstan's) M. B. A. (Western), Lecturer in Economics (part-time)
- Mr. Kyle C. Sessions, B.A., M.A., Ph.D. (Ohio State), Lecturer in History
- Mr. John A. Trentman, B.A., M.A., Ph.D. (Minnesota), Lecturer

in Philosophy

Mr. James Truax, B.A. (Western), Lecturer in Politics (part-time) Mr. W. H. Van der Velde, B.A. (Western), Lecturer in Mathematics (part-time)

Resignations:

The Rev. Frank A. Peake, B.A. (Saskatchewan), M.A. (U. of Alberta), L. Th. (Emmanuel College, U. of S.), B.D. (Church Divinity School of the Pacific, Berkeley, Calif.), Visiting Lecturer in Religious Education (part-time) Dr. Hartley M. Thomas, B.A. (Queen's), M.A., Ph.D., (Harvard), Lecturer in History (part-time)

Mr. Gunther H. Jacobs, M.A. (Alberta), Assistant Professor in Economics and Political Science (Deceased)

### Faculty of Arts

Once again I must pay tribute to Dr. J. G. Rowe, our Dean of Arts and his staff for the increasing standards of the Faculty of Arts and the magnificent way in which it is attracting an ever-increasing number of scholarship candidates. Last year we received two Ontario scholars. Huron College is in continuing need of its fair share of good and brilliant students, though there will be room at the College for those students who are able to meet the general requirements of university entrance and have definite contributions to make to the academic community as a whole. It is a joy to us that we can provide at Huron College, a liberal arts education in a residential Christian setting for students of all faiths, where they can be known as individuals rather than being simply ciphers in the mass approach of modern higher education now the trend on the North American continent, where university enrollment often numbers in the tens of thousands.

## Conclusion

In conclusion may I take this opportunity of expressing the real joy of the Huron College community that the University chose to honour the retiring Chairman of our Corporation, Mr. F. G. Kingsmill, M. B. E., with the degree of Doctor of Laws. There could not have been a more acceptable manner of honouring a great man and marking the Centennial Year of this College. May I further express the deep appreciation of all of us at Huron College for the wonderful way in which the President andhis administrative officers, the Board of Governors and the Senate of the University of Western Ontario have encouraged and aided in the rapid development of Huron College over the past few years. It is with great pride that this college takes its place as an affiliated college of the University of Western Ontario and we pray that God's blessing may rest upon the whole university during the coming year.

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# 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

A new course is to be added to those offered in philosophy. This one is to deal with the nature of art and the principles of art criticism. It is to be taught by Dr. A. J. Durand. The Library has begun a collection of slides and other material to support the lectures.

The Rev. P. E. Cavanagh completed his studies at the University of Notre Dame in June of this year. The title of his thesis was <u>The Doctrine of Assent of John Henry Newman</u>. Dr. Cavanagh will resume his post as instructor in Ethics and Medieval Philosophy in the autumn.

The entire library of the late Bishop J. C. Cody was received as a bequest. Although there is considerable duplication with existing stocks, the number of valuable acquisitions will run to several hundred volumes. The late Bishop also possessed an important selection of pamphlets.

It was with great regret that the Seminary bade farewell to its Bursar of many years, the V ery Rev. F. J. Laverty, who was promoted during the year to the post of Chancellor of London

Diocese. The Seminary owes to his industry and foresight the construction of its new Library and meeting-hall, not to speak of years of competent management of all of its material affairs. He was also a good Latinist, and will be missed as much for his academic as for his business ability.

The College of Christ the King

The College achieved its greatest academic success this year. Of the 213 students who tried the Spring Examinations, 143 passed all their courses, i.e. 67.1%. Hence, although the total number of registered students decreased in September, 1963, the quality of the students registered increased. To jump from 53.88% in May, 1963, to 67.1% in May, 1964, is encouraging and praiseworthy.

For the second year in succession, one of the graduates is an African student from Kenya. The College now has three graduates from Africa. Each of these students represents an investment of \$5,000.00 which the College has donated to the Christian education of Africa.

In the meantime, three members of the Staff succeeded in obtaining the coveted Ph. D. degree. On November 23, 1963, Dr. James William Daly was awarded the Ph. D. in History by the University of Toronto. His thesis was entitled, "The Royalist Constitutional Position, 1641-1645". Dr. John Rudolf Mulder received the Ph. D. in English from the University of Michigan on December 14, 1963. His thesis was entitled, "Literary Criticism: Montaigne and Sir Thomas Browne". On June 15, 1964, Cornell University granted the Ph. D. to Dr. Alton Westwood Craig who returned from Cornell University in September, 1963, to continue his teaching at the College. His Ph. D. was in Industrial Relations and he entitled his thesis "The Consequences of Provincial Jurisdiction for the Process of Company-wide Collective Bargaining in Canada: A Study of the Packinghouse Industry".

Three teachers left the Staff in June, 1963. Mr. P. M. Hughes, B.A. (Oxon.) went to Yale University for an M.A. in English. Mr. M. Rashotte, M.A. (Toronto) returned to Toronto for the Ph.D. in Psychology. Mr. Snyder, M.A. (Toronto) went to Merrimack College near Boston to teach Philosophy.

Mr. M. G. Keenan, M. A. (Assumption) joined the Staff and taught Psychology. Mr. Emile Primorac, M. Comm. (Toronto) was granted a leave of absence so that he could go to the London School of Economics (England) for a Ph. D. in Economics.

On the Feast of Christ the King, October 27, 1963, Dr. Fritz Maximilian Gerhard Wieden was named an Assistant Professor in the Department of English.

Mr. and Mrs. B. M. Greene planned another series of lectures with slides for the cultural life of the College. The title of the series was, "Portrait and Landscape Painters". Following is a list of the individual lecture titles and speakers:

January 9, 1964.	French 19th Century Landscapes: Corot, Courbet, Monet. Miss Ellen Johnson, Oberlin College.
January 16, 1964.	English 18th Century Landscapes: Gainsborough, Constable, Turner. Mr. Edward Henning, Cleveland Museum of Art.
January 23, 1964.	Dutch 17th Century Landscapes. Dr. Wolfgang Stechow, University of Michigan.
January 30, 1964.	French 16th to 18th Century Portraits: Clouet, Philip de Champagne, Fragonard. Mr. R. G. Saisselin, Cleveland Museum of Art.
February 6, 1964.	Flemish 15th to 17th Century Portraits: van Eych, Mor, van Dyck. Dr. John Martin, Princeton University.
February 13, 1964.	Italian 15th Century Portraits: Pisanello, Ghirlandaio, Leonardo. Dr. Marvin Eisenberg, University of Michigan.
February 20, 1964.	Flemish 16th and 17th Century Landscapes: Patinir, Breughel, Rubens. Dr. James R. Johnson, Cleveland Museum of Art.
February 27, 1964.	Italian 16th Century Portraits: Bellini, Raphael, Titian. Dr. John R. Spencer, Oberlin College.

After the examinations, Father LaRocque, Dean of Men, and

six students from the College went on a missionary expedition to Pisaflores, Mexico. They joined students from St. Michael's College, Toronto, and from two Colleges in Kitchener, St. Jerome's College and Resurrection College. All of these students were part of the Conference on Inter-American Student Projects with headquarters in Davenport, Iowa. This organization is for university students who are interested in under-developed sectors of Latin-American countries. At Pisaflores, a small Indian village in Hidalgo province, about 200 miles north of Mexico City, John Cummins and Patrick Towns helped to construct a 6-room school and to lay pipe for running water from a mountain source about a mile away. Eugene Mullan worked in San Pedro (4 miles away). Howard Burton worked in Guallobos (9 miles away). Sergio de Sousa worked in Amolar (9 miles away). Bruce Weber worked in Gargantilla (10 miles away). Father LaRocque reported on May 31, "Bruce is helping the men to build a church and he is teaching English to the school teacher ... It has been a very helpful experience ... I am gratified and proud of the students' behaviour, attitude, and power of adaptation."

Some of the students remained in Mexico for 6 weeks and others remained for 8 weeks. All of them wish to return in the summer of 1965.

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## SUMMER SCHOOL

## AND

# EXTENSION DEPARTMENT

# Report of the Director - J. Archibald McIntyre

The year just ended has been eventful. Among some of the highlights it witnessed the first decline in attendance in the 1963 Summer School at the time the first credit course via television to be given at Western was introduced. No causal connection is thought to exist between these events both of which are elaborated on in the body of this report. Also marking this year as distinctive was the commencement of some modest research in the Department of Extension as the result of the appointment of a Research Assistant (part-time). It is expected that the promise of the pragmatic studies made to date will be achieved not only in modifications in practice and policy but in time may give way to some studies on some speculative issues involving the part-time student and the concept of continuing education. Very little research on these subjects has or is being done elsewhere in Canada, consequently the opportunity for the contribution of new insights remains high.

Although the extramural activities at Western - the extension, correspondence, Summer School - have a long, and it is generally conceded, distinguished history it has not always been perfectly clear what fundamental purpose within the University was being served by means of this department. Clearly the number of people who have taken courses on a part-time basis during their progress to a degree would argue forcibly that the availability of such opportunities was at times of critical importance to their progress. A reasonable number of graduates of this University have taken some of their formal course work through the Department of Extension. It suggests, moreover, that the facilities of the department are more widely employed than may have been thought. What is extremely difficult to determine is who takes extension and summer school courses and what purposes they have in doing so. It has generally been assumed that the majority of the students were in the teaching profession, working toward a degree or in more recent years an increasing number of people upgrading their qualifications so as to be eligible for Type A

certificates from the Department of Education, Ontario.

Some reasons exist for believeing that this situation while continuing is an insufficient explanation of the composition of the part-time student group and intensive study is under way to establish the facts. As a preliminary observation the following table (Table I) reveals the distribution of students in various classifications in the 1963 Summer School.

## Table I

## 1963 Summer School

82% were part-time students

18% were intramural

13% of the 82% were upgraders for endorsation of Type "A"

In 1962, 428 students were working on upgrading in Summer School (192 Type A and 236 endorsation)

Whether or not the Extension and Summer School Department ought to do more than be a vehicle for part-time students seeking a degree - specifically should do more than offer opportunity for a university education to teachers - is a question of critical importance. In a society experiencing substantial change, two facts are clear: a large portion of the population has a minimum requirement for a university education and continuing to keep oneself up-to-date is also a minimum need for standing still for the majority of the population. Certainly by making available part-time courses in the Faculty of Arts and Science we offer aid to the continuing education of students under the heading of "adult special" or "mature student", we enable people who would be unlikely to meet the normal requirement of admission to the university at least to make a try at work at the university level. This is certainly continuing education. But should we do more? And can we do more?

There seems little reason to imagine that the rise in university enrolment so apparent in undergraduate courses will be avoided in courses given to part-time students. Indeed a parallel rise in Summer School enrolment has occurred each year for the past decade (see Table II following this report) with the insignificant exception of the 1963 Summer School in which an apparent reduction occurred. This was not a true reduction however, dependent as it was largely upon an eleventh hour decision to adopt an unanticipated admission requirement to certain language courses which requirement has been rescinded in the admission to the current (1964) Summer School. It is quite clear from the enrolment in the on-going Summer School (1964) that the 1963 levelling out was not the beginning of a trend but an aberration caused by known facts. In fact, the trend upward in numbers was sustained, unbroken, and appears likely to rise at an accelerating rate. We have every reason to speculate on our ability to meet this increase particularly if, as we suspect, the rise in numbers will be substantial and our need for instructors ( a scarce commodity indeed) rises proportionately. and the take Summer

The counselling and guiding of part-time students is an increasingly important and onerous task. As the number of part-time students increases it is obvious that more time for the task is required. When this is coupled with the necessary forward planning and other requisite administrative tasks it should readily be apparent that little if any time remains for the development and implementation of plans for the so-called Non-credit continuing education courses whether they be conversational French, a special seminar on a current topic of national importance, a refresher course for high school teachers of natural science or similar activities. It seems likely that the breadth of opportunity available to the University and indeed the measure of contribution the University might make to the community adult population will remain unfulfilled in the absence not only of an increase in senior administrative staff in the extension department but also of the continuing availability for extension, summer school, and noncredit teaching of an adequate number of appropriately qualified and interested academic staff from those departments intimately involved. It is alarming to note that for the first time four classes in the fall and winter extension course were cancelled because instructors could not be made available. This means of course that the intramural classes took priority over the extramural classes since no intramural classes were cancelled for similar reasons. Why one group of students should be discriminated against in this fashion is difficult to deduce. It nevertheless makes very clear the need for the availability of adequate staff in the future if the University is to meet the modest objectives currently attempted by the Extension and Summer School Department,

in the main, the provision of opportunities for one occupational group (teachers) to achieve a degree.

#### Summer School

Each year opens with summer school. Admission and registration now well established as functions performed by the Registrar's Office proceeded smoothly and effectively during the spring to the climax of 1,678 students registering for 2,441 courses. An admission committee decision to limit French 10 and Spanish 1-10 to students regularly admissable in the fall reduced the expected number of students in these non-university courses and resulted in an apparent levelling out of summer school attendance rather than the anticipated increase. The decision was reversed during the fall to permit appropriately recommended high school students at Grade 13 to take these subjects at the 1964 Summer School.

Table III which follows sets forth a comparative record of subjects offered and students attending for 1962 and 1963. It is hoped that this will clarify and elaborate on the nature of the academic work attempted at summer school and the departments in this Faculty involved in this activity. An analysis of the student body to reveal the number of full-time students enrolled in Summer School demonstrates that 18% out of the total can be so categorized. 13% of the 82% (parttime) were enrolled in honour courses, both totals suggesting a possible trend toward the utilization of Summer School as a means of accelerating programs or alternatively attempting the retrieval of courses which otherwise might be failures. In addition to the usual large proportion of teachers attending Summer School we note the group of students known as adult students now beginning to be admitted to the University as the result of the action of the Senate in approving the modification of the requirements for this category of student. It is anticipated that an increased number of students in this category will be coming to the University to undertake degree work on a part-time basis.

An experiment in Educational TV was conducted with the cooperation of CFPL-TV, the Bell Telephone Company, Admiral Corporation, and Minnesota Mining and Manufacturing. Through the cooperation of the Department of Economics, Economics 20 was chosen as the subject to be offered and Dr. Peitchinis was nominated as the lecturer. Since a full and complete report of this experiment has been prepared and sent to the Dean of the Faculty of Arts and Science, it will not be elaborated on further except to state that the experiment was regarded as a success. A continuous pattern of financial support from the International Nickel Company should be noted. For a number of years the Inco Bursaries, as they are called, have provided financial aid to teachers undertaking courses in Science and Mathematics. 38 students were in receipt of such grants in the 1953 Summer School.

# Extension and Correspondence

An increased number of extension classes was offered during the fall and winter of 1963-64. The centres in which these were offered are London, Brantford, Chatham, Woodstock, Clinton, Ingersoll, Sarnia, Simcoe, Stratford, St. Thomas, and Tilsonburg. As noted above, four of these courses were withdrawn. In spite of this, 56 courses were held and hence, 56 instructors involved.

Continuous study is being devoted to improvement in courses being given by correspondence. Consideration is being given to the utilization of tapes, records, programmed material as an aid and supplement to the course outline and text book which latter method has altered very little since the inception of instruction by correspondence. Studies have also been made to determine performance records in correspondence courses as related to number of courses already passed, grade achieved on previous academic work, and whether or not the student is a new student. As a result of these studies, certain changes in policy were made which will be put in effect during the academic year 1964-65. As an example, only students who have an average of C or better may enroll for correspondence courses. This will make it impossible for a student to begin university work by correspondence and will ensure that a reasonable academic level has been achieved in the past. By such means we hope to raise the standard of performance on what is undoubtedly the most difficult way in which to undertake university work. The theory underlying these changes is that correspondence courses should be reserved for the

students who have already demonstrated they are capable of university work rather than the opposite.

The Extension Department has continued to work and cooperate with a number of organizations whose educational activities involve some members of the University staff and usually are held on the campus. In addition a number of courses in a non-credit series were held during the fall and winter.

A weekend symposium on French Canada was organized in cooperation with the Humanities Association of Canada, London Branch, which was well recieved although a relatively small number of people attended. It is hoped that such a symposium may be the beginning of a continuing dialogue between Laval University and the University of Western Ontario on the important topic of Canada.

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	-63	Courses e Extension	679	542	605	675	761	895	961	1122	1167	871	1035	
	., Extension, 1953-63 on, 1953-63	Registrations in C Correspondence	257	283	343	361	419	497	561	530	530	477	426	
	, Correspondence, ] ses in each Division,	Number of Summer School	550	623	745	870	955	1090	1272	1462	1600	2508	2441	
	ummer School, ions in Course	Extension	62	58	54	54	50	49	57	60	62	55	56	
	ctors Teaching Summer bers of Registrarions ir	er of Instructors Correspondence	27	30	31	32	30	32	34	33	33	29	25	
	Number of Instructors and Numbers	Number Summer School C	23	19	21	22	23		38	41	48			
Table II		Year	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	

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# Table III

# Comparison of Subjects Offered and Students Attending Summer School, 1962 and 1963

Summer School 1962	Summer School 1963			
Subject No. of St	udents	Subject	No. of Stud	dents
				13
Chemistry 20	27	Astronomy 29		47
Economics 20	203	Chemistry 20		22
Economics 36	16	Chemistry 33		15
English 20	143	Economics 20		167
English 32	53	Economics 34		27
English 44	54	Economics 36		18
English 46	17	English 20		138
English 49	64	English 34		67
English 270	17	English 36		56
English 280	13	English 38		73
English 438	7	English 46		14
French 10	119	English 373		22
French 20	159	English 444		15
French 31	28	English 480		9
Geography 20	96	French 10		53
Geography 32, 332	40	French 20		150
Geography 36, 336	49	French 31		19
Geography 43, 443	12	French 41		7
Geology 21	114	Geography 20		106
German l	8	Geography 30,	330	26
History 20	87	Geography 40,	440	23
History 31	65	Geography 45,	445	28
History 36	78	Geography 46,	446	13
History 44	48	Geology 21		84
History 335	17	Geology 367		12
History 356	15	German l		6
Latin 10	20	German 10		6
Latin 20	24	History 20		108
Mathematics 20	46	History 31		59
Mathematics 32	22	History 33		41
Mathematics 256	14	History 35		58
Mathematics 340	11	History 333		17
Music 20S	53	History 357		12
Music 30S	27	History 444		11
Philosophy 20	30	Latin 10		8
Philosophy 30	92	Latin 20		40
Philosophy 42	18	Latin 30	and the second	6
P.H.R.E. 20-30	32	Mathematics a	20	52

... continued

Summer School 1962					
Subject No. of	Students				
P.H.R.E. 352	13				
Politics 37	15				
Psychology 20	213				
Psychology 48	62				
Sociology 20	23				
Sociology 40	15				
Zoology 21	122				
Zoology 45,255	22				

Summer School 1963	
Subject No. of Stu	dents
Mathematics 30	20
Mathematics 356	10
Music 20S	35
Music 30S	7
Philosophy 20	30
Philosophy 30	57
Philosophy 42	16
Philosophy 48	11
P.H.R.E. 20,30	26
P.H.R.E. 457	6
Physics 21	27
Politics 20	44
Politics 31	7
Psychology 20	169
Psychology 36	89
Psychology 39	63
Psychology 49	37
Sociology 20	35
Sociology 38	9
Sociology 40	12
Spanish 1-10	48
Spanish 20	23
Zoology 21	88
Zoology 30	14

# TROIS-FISTOLES SUMMER SCHOOL

Report of the Director - T. J. Casaubon

The Trois-Pistoles Summer School wrote a memorable page of its history during 1963. The school had somewhat of an international character as its students came from every province of Canada, the United States, Gabon, Cambodia and Belgium.

The distribution of students in the different courses was as follows: seventy-four students were registered for French classes, seventy-two for English classes and eight for painting. Also, forty students attended the art appreciation course presented by Mr. Louis Belzile.

Once again, the two courses in Methodology were offered in the afternoon. There were twenty-one students registered in the French methods course presented by Mr. Wilfrid Parisien, and twenty-three in the course of methods in English directed by Professor T. J. Casaubon.

The Department of Public Instruction of the Province of Quebec offered bursaries to thirty teachers, twenty-three of whom attended. There were seventeen students registered for English from the town of Trois-Pistoles.

Once again the students were instructed to keep an academic record book of all their work; this book was examined at regular intervals by the instructors and counted as part of the term mark.

Students in the French credit sections are now requested to give two public speeches in the course of the summer, one of which is to be given in front of their class and the other in front of

the whole student body.

Conversation groups and group discussions were organized by Mr. C. Faradis and Mr. James Coulton. A few visiting guests and town elders were invited to address the students in the second language. This provided further opportunities for our students to hear different voices. All members of the staff cooperated in the organization of an active and varied recreational programme. Students enjoyed tennis, swimming, volleyball and bowling. Mr. Charles Morency made himself responsible for boat tours on the St. Lawrence.

Mr. A. Ferland directed the students' choir. Rehearsals took place three evenings a week and the choir climaxed its activities with a half hour recital at the radio station CJFP, Rivière-du-Loup.

Dr. Maurice Desjardins, Mr. Carl Theodore and Professor T. J. Casaubon were invited to participate in a panel discussion to discuss the organization and goals of the Trois-Pistoles Summer School at the CJBR-TV station in Rimouski.

The painting and landscape course has now been extended to six weeks instead of four. The Trois-Pistoles School Board still grants the use of a rural school house in which painting classes are held. An exhibition of the students' painting was held at the end of the course and ran for two nights. There were ninety-six paintings displayed on these occasions.

Mr. Louis Belzile, the art instructor, also offered an art appreciation course in the evenings, twice a week. This course is becoming more and more popular with the town people and the summer resident tourists.

I wish to mention the following personalities among our student group: Mr. Stewart McLean, Minister of Education, Manitoba; Mr. Erik Spicer, Chief Librarian, Library of Parliament, Ottawa; Miss Julia Osborne, Canada Council; Mr. D. S. Armstrong, Department of Labour, Ottawa.

It is also worth mentioning that twenty-three students from the University of Western Ontario attended the school during the summer of 1963. A group of twenty-two French-speaking girls from Gabon attended our course in English. We are most thankful to the "Soeurs de Jésus-Marie" for offering lodging to these African girls at their local convent.

The school was honoured by the visit of M. Faul Gérin Lajoie, Minister of Youth and Welfare for the Frovince of Quebec. We regret the loss of three members of our Advisory Committee, Dr. Marcel Catellier, Mr. Hervé Larivée and Mr. Armand Rioux. These men gave generously of their time, efforts and money to support our work.

The following have been added to the junior Advisory Committee: Mr. Gérard-Aurèle Dubé, Mr. Jean-Guy Rioux, Mr. Maurice Rioux and Mr. J. Gauvreau.

Dr. G. Edward Hall and Dr. W. Sherwood Fox have been made honorary citizens of the town of Trois-Fistoles by the Municipal Council of the Town.

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## THE UNIVERSITY LIBRARIES

Report of the Chief Librarian - J. J. Talman

Reflecting the greater emphasis being given to their rôle in university life, the university libraries again experienced a year of expansion and change. The highlight of the year 1963-64 was unquestionably the implementation on a vaster scale than ever before of a programme of buying graduate research materials. The extra funds required for this were provided through the Ontario Government's Graduate Studies Programme, the planning for which was noted in last year's report. Under the stimulus of the programme, all departments of the General Library grew rapidly. Inevitably the strains imposed by such sudden expansion were great; new problems were faced everywhere and new solutions sought. Some of the implications of this programme - the number and quality of the acquisitions, cataloguing, the hiring of additional staff - are more fully discussed elsewhere in this report. Suffice it to point out here that as a result of the extra staff employed almost all the space made available by the General Library addition of 1962 has now been put into use.

Almost equally important for its effects on the libraries was the larger than anticipated student registration. It was certainly the principal factor behind the great increase in circulation, the figures for which are given below. The enlarged student body, too, poses the problem of space requirements. The greatest percentage increase in registration has been in the Arts honours courses and in the humanities and social sciences departments of the Faculty of Graduate Studies; it is, of course, students in these fields who make the heaviest use of the facilities and resources of the General Library. The problem, therefore, of the nature and the size of the next addition to the General Library is brought very much to the fore.

Elsewhere on the campus expansion of the library physical plant is, fortunately, well underway. The new Medical Library, housed in the Medical Sciences Building, is expected to be ready in the fall of 1965. Its modern facilities and increased size will remedy a longstanding condition of inadequate stacking, insufficient reading room accommodation and shocking staff work space.

Attention is drawn in last year's report to the critical space shortages in both science reading rooms. However, there too, relief is at least in sight, as construction of the long-awaited Science Library in the new Composite Science Building was about to begin as the year ended.

#### Accessions

In the light of the Graduate Studies Programme, the welcome increase in the number of acquisitions will cause no astonishment. Accessions for the year totalled 25,606, an increase of 50 per cent over the number added in the previous year. The total collection of the university libraries now stands at some 335,000 volumes.

Particular attention was, of course, given to strengthening the basic research holdings of the libraries. Sets fundamental to original research in all fields were acquired. This is the place to point out that librarians of the world are deeply indebted to the imaginative reprint programmes of such international firms as Kraus, Johnson, Russell and Russell, and Olms. Without the volumes they have temporarily brought back into print, expanding libraries could not hope to acquire much absolutely essential research material. The word here, however, is <u>carpe diem</u>, as these reprints are brought out only in short runs and quickly go out of print. This library has been in correspondence with a number of the leading reprint houses of Europe and America, and many of our suggestions for reprints have been acted on. Such logical collaboration between libraries and publishers apparently and surprisingly is uncommon.

Gaps in the holdings of the standard collections of the writings of authors in English, Romance Languages, German and Russian were purchased. The same is true for the basic sets of the works of various philosophers. With the purchase, for example, of the Gerhardt sevenvolume edition of the works of Leibnitz, the best available as the Prussian Academy definitive edition will not be completed for years, and of the Green and Grose four-volume edition of Hume's works, it can now be said that the library has the best editions of all major modern philosophers. Fundamental sources such as the British Parliamentary Sessional Papers, 1731-1900 (234 boxes of microprint), and the record of United States congressional debates, under its various titles, from 1789 to the end of the 19th century (microfilm) were also acquired. Still another important acquisition was the Linnaean herbarium, the botanical collections of the 18th century Swedish botanist, Carl von Linne, in microfiche. The library also acquired important source material for students in a number of disciplines with the acquisition in microprint of the United Nations

Documents and Official Records, 1946-1959. This puts at the disposal of faculty and students the papers of the various councils of the United Nations. Since 1960 the library has subscribed to this publication annually. One of the significant reference works purchased was the great eighty-six volume Imperial Russian Dictionary, which now takes its place on the shelves beside its Soviet counterpart. The library had long subscribed to a most important periodical index, the Bulletin of the Public Affairs Information Service, but had been unable to acquire the early volumes. Thanks to the Kraus reprint, these are now on the reference shelves.

Any mention of notable acquisitions must not neglect the great number of back files of important periodicals. The library has always tried in the past to fill gaps where possible, but the twin factors of the many reprints of journals now appearing and the availability of funds have meant that important strides could be made in the past year. All disciplines, sciences, engineering, humanities and social sciences, have benefited from the conjunction of these two fortunate circumstances.

In the Law Library the chief acquisitions during this year were the great sets of English, Irish and Australian Law Reports.

Once again the number of current periodical subscriptions showed a sharp increase. Approximately 500 new periodicals were subscribed to, bringing the total number now taken to some 3700.

### Circulation

	1962-63	1963-64
General Library*	85,347	114,899
Middlesex	8,200	9,483
Biology and Geology	3,543	4,417
Physics and Chemistry	1,958	3,025
Business	9,110	12,878
Engineering	2,509	3,480
Nursing	5,231	6,631
Music	350	2,266
Law	3,847	3,515
Medicine	15,872	14,100

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

The foregoing table shows that there was an increase in circulation in all the libraries except those of Medicine and Law, and, as was pointed out last year, the figures, of course, ignore the enormous unrecorded use made of library materials. The greatest increase in circulation was in the two open-access reading rooms of the General Library. There the figures rose from 31,918 to 55, 143, an increase of close to 75 per cent. The intent in opening these two rooms was to make available for direct consultation by all students the most heavily used books in the humanities and social sciences, and at the same time to relieve some of the pressure on the desk in the Main Reading Room. It is indeed satisfying to be able to record that the rooms are being so intensively used. The great increase in the School of Music figures is a consequence of the doubling of the book collection there and of the fact that the Music Reading Room was open for longer hours than in the preceding year. The minor drop in circulation in the Medical Library is explained by a change in policy whereby the basic science textbooks may no longer be taken from the library and also by the fact that an increasing number of readers have tended to use journals in the library rather than to borrow them for reading outside. The slightly lower circulation total in the Law Library can probably be attributed to the increased use of mimeographed material in some of the law courses, a highly desirable development.

The increased use of the General Library necessitated the lengthening of the hours of service. For the first time this library remained open until 11 p.m. during the winter terms, and for the four-week period preceding examinations it was open until midnight.

The effort to secure the services of more full-time employees in the circulation department was successful and it is worth noting that the General Library was staffed in the evenings, as had never been the case before, on a regular basis by full-time staff members rather than by student help. It is not surprising that a decided improvement in service resulted.

Government documents were transferred just before the year began to an area in the newly-opened stacks of the General Library. With sufficient space available in the new area, the collection could be arranged in a way that permits easy use. For the first time a professional librarian, Mr. Clarke Leverette, was assigned full-time to the job of maintaining the collection and assisting the numerous readers making use of it. During the year a microfilm reading area was organized in the General Library in response to the growth in the library's holdings of microform material. All microform readers and material are now conveniently grouped together at the north end of the ground floor of the stacks.

It is gratifying to report that fewer volumes disappeared from our shelves this year than was the case in 1962-63 as a result of the stricter controls imposed in various reading rooms. However, it cannot be denied that hundreds of volumes, many irreplaceable, are lost annually. One is left with the impression that there is a total lack of a sense of responsibility among what is probably a small percentage of our borrowers. From a scrutiny of the titles of books missing, one is even permitted to believe that there is a definite conspiracy to steal valuable works, particularly in art, for sale in the used book market. While a small percentage of missing volumes eventually turn up, they are more often than not missing when most in demand.

# Interlibrary Loans

General Library	Outgoing	Incoming
1962-63	764	1,278
1963-64	760	1,669
Medical Library		
1962-63	843	318
1963-64	643	438

The increase in numbers of books borrowed through the General Library, in the face of greatly expanded purchases, is not to be passed over lightly. Increasing graduate studies, of course, is the explanation. It is to be hoped, however, that those directing graduate research will centre their students' problems around material they themselves are recommending for purchase.

The drop, more apparent than real, in the number of outgoing loans from the Medical Library is attributable to the fact that loans made to certain institutions in the London area, such as Westminster Hospital, the Agricultural Research Institute, and the Children's Psychiatric Research Institute, are no longer counted as these loans are picked up by a driver and not sent through the mails.

# Cataloguing Department

The Cataloguing Department of the General Library, under the direction of Miss Jean Elson, faced an enormous problem as new acquisitions flowed in at an unprecedented rate. A determined effort was made to expedite the processing of these. Some new cataloguing procedures were introduced. More professional cataloguers were added to the staff but the shortage of trained librarians, particularly with an interest in and capacity for cataloguing, continues to make it difficult if not impossible to secure enough skilled people. Some satisfaction can be taken in the fact that the number of books catalogued in the General Library this year was increased by some 75 per cent over the figure for 1962-63. Impressive as this increase is, however, a considerable backlog of uncatalogued books remains, as the number of volumes ordered and received also increased greatly at the same time.

In addition to its efforts to cope with the increased flow of new books, the Cataloguing Department faced two special problems. A start was made by Mr. Edward Phelps on the cataloguing of the McEachern Collection of Canadiana. This collection of rare books came into the possession of the library late in 1960 but the shortage of cataloguers and the lack of space in the Treasure Room precluded a start on the cataloguing until the past year. The department had also to prepare a catalogue for the Music Reading Room. Because of the greatly increased purchase of new books in music and the transfer to the Music Reading Room of many works in this field previously held in the General Library, the task involved the preparation of about 3,000 cards.

#### **Regional History Collection**

The Regional History Collection continued to expand throughout the year as additional historical records were deposited. Miss

Anne Sexton, Regional History and Treasure Room Librarian, continued the sorting and arrangement of the now extensive collection. She also continued the process, begun the previous year, of sending returns of all manuscripts catalogued in this library to the Public Archives of Canada. These returns are for the Union List of Manuscripts in Canadian Repositories, an Archives undertaking. It is worth noting that so much use is now being made by graduate students of the manuscript and printed sources on Western Ontario in this collection that it became necessary to open the Regional History Room on a regular basis; before this year the room was opened by individual request.

Another publication on regional history appeared this year. It was Western Ontario History Nugget, No. 31, "Descriptions of London and its Environs, 1793-1847". This work, edited by Miss Elizabeth Spicer of the London Public Library, has aroused a great deal of interest in local history circles.

## Sydenham Hall Reading Room

The reading room of the most recently constructed men's residence, Sydenham Hall, presented a special problem this year. Provision had not been made for the purchase of books for the residence. Fortunately, as the record of gifts shows, certain funds were donated which did a little towards supplying books for the shelves. At this time it may well be suggested that in future when policy dictates the establishment of a collection of books in any university building, suitable shelves be provided and the books adequately budgeted for in good time. If the library staff is to be responsible for acquisitions they should be informed in advance.

## Staff Activities

Dr. J. J. Talman was made a lifetime Honorary Fellow of Huron College at the Founder's Day Convocation, 2 December 1963, on which occasion the first copy of his <u>Huron College</u>, 1863-1963 was presented to the Chairman of Huron Corporation.

Dr. Talman served for a second year on the National Historic Sites and Monuments Board and continued to act as Chairman of the Microfilm Committee of the Canadian Library Association. During the year he was elected to the Council of the Champlain Society. In April 1964 he attended the annual meeting of the Mississippi

## Valley Historical Association in Cleveland.

Dr. J. P. McLaughlin paid brief visits to McGill and Queen's Universities in the spring of 1964 to investigate library procedures as well as the general approaches of these institutions towards the problems caused by the sudden expansion of library facilities. He attended the annual meeting of the Ontario Library Association held in Toronto in May 1964. He was also present at the meetings of the American Historical Association in Philadelphia.

Dr. Olga Bishop, Assistant Librarian - Medical, and Miss Ruth Sanderson, Nursing Librarian, were at the conference of the Canadian Library Association in Halifax. Dr. Bishop attended a workshop of the Institute of Professional Librarians of Ontario, held at Geneva Park in November 1963, and she was later elected a director of the Institute.

Mrs. Shirley Edgar of the Medical Library was present at the meetings of the Ontario Library Association in Toronto this year.

Mr. John Macpherson, Chief of Readers' Services, visited the Godfrey Memorial Library in Middletown, Connecticut, in June 1964 to arrange for publication on microcard of the annual reports of companies trading on the Toronto Stock Exchange. Mr. Macpherson himself initiated this project some eighteen months ago. The Godfrey Memorial Library agreed to publish the reports once a sufficient number of institutions had guaranteed to subscribe to them. This condition was recently met and the first microcards are expected to be ready in October 1964. It has been agreed that all the administrative work involved in the collecting and forwarding of reports for microprinting will be handled by Mr. John Hoover, Business Librarian. This service should prove invaluable to all Canadian and many American business libraries.

In June 1964, Dr. Margaret Banks, Law Librarian, and her assistant, Mrs. Narinder Dhami, attended the annual meetings of the American Association of Law Libraries and the Canadian Association of Law Libraries in St. Louis, Missouri. At the Canadian meetings, Dr. Banks presented a report on statute indexing in Canada. Based chiefly on a survey of the views of law school and bar association librarians, it contained suggestions for improving the indexing of federal and provincial statutes. The report was adopted by the

Association and is to be sent to the various Attorneys General who are responsible for statute indexing.

Miss Frances Rothwell of the Circulation Department represented the university library on the London Committee for Canadian Library Week, 1964.

Four members of the staff, Dr. J. J. Talman, Miss L. R. Benson, Dr. M. Banks, and Miss A. Sexton, attended the annual meeting of the Ontario Historical Society in Brantford.

### Gifts

It is impossible to list the names of all those who gave material to the library in the past year, much less the titles of all the books and journals given. The generosity of the donors is very much appreciated.

The Leonard Charities Trust set up the Colonel R. W. Leonard Memorial Library Fund of \$1,000 to purchase books for the reading room of Sydenham Hall. Five hundred dollars for the same purpose were provided by Mrs. James A. Spenceley in memory of her husband, Professor Spenceley, onetime Head of the English Department. Mr. E. P. Geary of London presented a set of the Harvard Classics and a number of other volumes for Sydenham Hall.

The Canada Council gave the library a grant of \$2,500 towards the purchase of material in the field of Russian Studies.

The Ministère des Affaires Culturelles of Quebec again presented some 40 volumes by French Canadians. The Ontario Section of the Society of Plastics Engineers donated four books on subjects pertaining to the Society's general interests, and the London -St. Thomas Chapter of the American Society of Tool and Manufacturing Engineers gave a copy of the Tool Engineers Handbook as well as a subscription for one year to the Tool and Manufacturing Engineer. The Johnson Foundation of Racine, Wisconsin, sent three volumes on international affairs. E. G. Faludi and Associates gave a copy of the Township of Niagara area plan. From England, the Norwich Union Life Insurance Company sent books about the company and its founding family. The Irish Benevolent Society of London donated The Story of the Irish Race, by Seumas MacManus, in memory of the late E. P. Dignan, sometime member of the Board of

### Governors of this university.

Various materials pertaining to Richard Maurice Bucke (1837-1902), well known Western Ontario medical doctor and literary figure, were presented by Mr. Cyril Greenland of Toronto, while Mr. Charles Feinberg of Detroit gave three important books in memory of Dr. Bucke as well as a poster on linen, which had belonged to Dr. Bucke, advertising Leaves of Grass and other publications of Walt Whitman. Dr. Bucke was a friend and literary executor of Whitman. Mr. D. C. McArthur of Ottawa presented additional manuscript - 98 -

material dealing with his father, Peter McArthur, Western Ontario author. Mr. W. L. Duffield of London added to the Canadian currency collection with his presentation of two rare early Canadian banknotes.

The library is again indebted to Dr. E. Pleva, Head of the Department of Geography, who continued to donate various reports, journals and miscellaneious items of Canadiana. Dr. Cecil L. Strachan of London gave the complete collection of both hearings and submissions of the recent Royal Commission on Health Services in Canada. From Mr. Donald Silverthorn, also of London, came a book written by his uncle, Sir Thomas White, onetime Minister of Finance. Books were also given to the library by Mr. George Smith and Mr. J. E. Easterbrook, both of Sarnia, and by Dr. D. M. Sutherland of Embro. An unusual and refreshing work, Stanley Baron's Brewed in America, was presented by Mr. August Busch, Jr., President of Anheuser-Busch Inc. of St. Louis, Missouri. The book deals with the history of beer and ale in the United States.

Mr. C. M. Goethe of Sacramento, California, again gave a subscription to the Icelandic Canadian, and B'Nai Brith of London renewed their gift of a three-year subscription to Commentary.

The Library of the Faculty of Law was the beneficiary of a memorial fund of \$2,665 established by friends of the late Mr. A. B. Siskind, Q. C. <u>The Law Times Reports</u>, 2nd series, 1859-1947, a major contribution, were purchased from the fund.

The School of Nursing graduating class of 1962-63 provided \$200. for the purchase of books for the Nursing Library. The same library benefited by the donation by Miss Constance J. Cuthbert of London of back files of Nursing journals.

A cheque for \$200 from the Business Council of the School

of Business Administration was used towards the purchase of transcripts of the Royal Commission on Taxation. A gift of \$10 for the School of Business Library was given by Dr. Herman F. Otte of Leonia, New Jersey.

The Medical Library received more than 6000 gifts of books and journals. Many of these were used to fill gaps in the library's files, others were used to build up the H. A. and W. J. Stevenson Medical Library collection, and the remainder went for exchange. Many valuable books were received from the libraries of the late Doctors Thomas J. Gowan, Fred H. Nelson, J. H. Browning, and E. C. Armstrong. The College of Physicians and Surgeons of Ontario again gave the library \$300, the London Academy of Medicine gave \$150 and Dr. Margaret Campbell gave \$200.

#### Staff Changes

The largest increase in staff in the library's history took place in the past year. In fact, the number of full-time staff members grew by almost two thirds. As the number of part-time employees remained about the same, the percentage of full-time personnel is thus greatly increased over the previous year. The number of professional librarians is also greater than ever. However, not all the professional vacancies could be filled, and it is again worth drawing attention to the serious national shortage of trained librarians. The number of library school graduates is not keeping pace with requirements and the predictions that the shortage will grow worse seem only too likely to be borne out. The library continues to look for promising candidates to encourage and to assist financially towards a career in this field.

New full-time staff appointments are: Miss Virginia Bartlett, Mr. Barry Betts, Miss Barbara Dehn, Mrs. Shirley Edgar, Mrs. Edna French, Miss Marianne Hoople, Mrs. Jacoba Hosking, Mrs. E. Jaaku, Miss Pauline McManus, Miss Olga Mrakava, Mrs. Grace Patterson, Mr. Donald Pole, Mrs. Pauline Ross, Mrs. Judith Rossen, Miss Frances Rothwell, Miss Anne Seheult, Miss Jelena Smrekar, Miss Sarah Spackman, Miss Heather Syme, Miss Diane Teeple, Miss Sally Ward, Mrs. Winona Webb.

It was a pleasure to welcome Miss Kate Gillespie, former

Head of Cataloguing and Circulation, back to the staff on a parttime basis. Miss Gillespie agreed to work a few hours each week, and her vast experience in cataloguing has been used to help reduce the backlog referred to above.

Once again, it is a pleasure to report that there were few resignations. Mr. Max Boyko left the staff. Mr. John Black, who made a distinct contribution in the Order Office, resigned to pursue further graduate studies in politics at the University of London. Miss A. Moggridge returned to South Africa after serving in the Cataloguing Department for more than two years. Miss Margaret Russell and Miss Sally McCrae resigned to attend McGill Library School and before the year ended both had accepted positions in the library for the coming year, 1964-65.

In conclusion thanks must be given to the whole staff for their loyal and wholehearted support. In spite of the enormous expansion with all its concomitant strains, no one lost heart. New staff members quickly fitted in and adopted the same attitude. The healthy year's achievement described above is a tribute to the efforts of all.

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### MUSEUM OF INDIAN ARCHAEOLOGY

### AND PIONEER LIFE

Report of the Honorary Curator - Wilfrid Jury

The displays of the Museum of Indian Archaeology and Pioneer Life in Middlesex College were visited by many groups, especially school classes. Also the collection was utilized by several scholars engaged in research projects. The gun collection continues to grow with special attention to guns made in the City of London. Our military arms are on display in the Officers' Quarters Museum at Penetanguishene, and early guns of a type used by the pioneers are a part of a gun-shop at Fanshawe Pioneer Village.

Four projects are currently being directed by the Museum. The Pioneer Village at Fanshawe has been developed further and a successful summer attendance has been recorded.

At the Military and Naval Establishment at Penetanguishene, the Museum is partially furnished with material from the University Collections. Excavations were carried on on the site of the Masonic Arms, which was situated on the crest of the hill above the Naval Establishment. This was one of the earliest inns in the province, visited by officers of high military and naval rank and by numerous distinguished persons. Sir John Franklin spent some time at the Masonic Arms while he outfitted his second Arctic expedition which set out from Penetanguishene in 1825. John Galt lived there before sailing on the Bee for Lake Huron to choose the site of Goderich. It was in the Masonic Arms, too, that the first Masonic meetings in the district were held.

The Indian Village at Midland continues to draw large crowds averaging eight hundred daily through June to the end of August. Continual supervision and repair work is necessary to maintain the Village.

Some thirteen years after we completed our excavations at Ste. Marie, the Jesuit Mission of 1639 - 1649, which is situated near Midland, the Province of Ontario requested the University of Western Ontario to undertake the reconstruction of the site. Several departments of the University are involved in this project and extensive research is being carried on especially in the historical field in order to ensure the utmost accuracy in the reconstruction. Throughout the summer building was commenced. The double palisades were erected with firing platforms, longhouses in the Indian compound, the well in the Indian compound, stables one hundred feet long where cows, pigs and hens were housed, and one building in the European compound. In the palisades alone some 10,000 poles were erected. Two bastions were almost completed, built of heavy log construction as indicated by the marks of the original timbers in the soil.

In these four projects, eleven students of the University of Western Ontario were employed as guides.

The Pioneer Village, and the Indian Village will continue to be supervised by the University Museum. The chief project, however, for some years to come will be the Ste. Marie reconstruction which is to be followed by a similar undertaking at the Military and Naval Establishment at Penetanguishene.

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### DEPARTMENT OF THE DEAN OF WOMEN

Report of the Dean - Leola E. Neal

The number of students continues to increase at a remarkable rate and each year there are more women students on our campus. A year ago 1,572 of the 5,095 full-time intramural students were women. This year, of the 5,714 full-time students, 1,847 or 32.32% were women. This represents an overall student increase of 12.15% and a 17.49% increase in women. The largest increase (16.73%) was in the number of women in the Faculty of Arts and Science in the constituent University.

It is of interest to note that women students are registered in every Faculty and School. In the constituent University there were 1,507 women students and most of them (1,168) were fulltime undergraduate students in the Faculty of Arts and Science. There were 47 women registered in the College of Music, 2 in the Faculty of Engineering, 32 in the Faculty of Medicine, 1 in the Faculty of Law, 2 in the School of Business Administration, 193 in the School of Nursing and 62 in the Faculty of Graduate Studies. Of the 977 students in the affiliated colleges, 340 are women. We have some responsibility for the women in the affiliated colleges, Brescia College and Huron College, because they take their required laboratory science and certain arts courses at the constituent University.

#### Student Activities

The women students again this year have enlivened every phase of University life. They have served the student body as a whole through participation in a wide variety of activities. They have planned and provided for social affairs, served on the executives of clubs and student governing bodies, taken part in "Purple Patches", been active in drama and musical circles, and engaged in athletics. This year a woman student edited the Gazette with distinction.

There are three Greek letter organizations for women on this campus with a total of 149 members. The sororities are strong, well-organized groups and their members make a real contribution to campus life. The quality point academic average for women was 1.543, for men 1.395. Of eleven sororities and fraternities the women's groups ranked second, fourth and fifth.

On the whole the women students had excellent academic records. Of the 96 Ontario Scholars admitted to University this year 52 were women. The student with the highest academic average entering the University was a woman. Her Grade XIII average was 91.33% on nine papers, 89% on twelve papers. Of the 240 full-time undergraduate students who have earned the cherished first class honors, that is, who are on the Deans' Honors List, 78 (32.5%) of them are women. Although the women constitute a minority group they receive about half of the admission scholarships and half of the gold medals on graduation. Two of the three highest admission awards, the General Motors Scholarships, went to women. At Spring Convocation four women were granted the M.A. degree and two the M.Sc. degree. One student won the prestigious Woodrow Wilson Award for graduate study. A number of others received grants and fellowships for graduate study in Canada and the United States.

#### Spencer Hall

The number of applications and inquiries about residence accommodation at Spencer Hall reached a new high. Of the 431 applicants only 104 were able to live in the residence; 92 freshettes, 8 upper class students and 4 transfers from other Universities.

Living in residence is an important part of the total educational experience. It is a real privilege but, at the moment, a privilege for the few. Additional residential accommodation is urgently needed. Recognizing this great need President Hall appointed an Advisory Committee to make recommendations for a second women's residence. This was exciting work and the Committee submitted its report in May.

There were only 10 students at Spencer Hall during the Summer School Session. One special group, namely the Canadian Association of Advertising Agencies, was in residence August 22nd to 26th.

The appointment of a Business Manager of University Residences in 1962 was welcome indeed. His help with administrative detail and special groups has earned my gratitude.

### University Housing Bureau

Approximately 80% of our students come from outside the London area and many of them must seek accommodation through the University Housing Bureau. Mrs. Browett was in charge of the Housing Bureau and she was assisted by Mrs. Brock. A record number of students, 1,169, were placed in the eleven week period, July to October. This year the service was extended on a part-time basis until the end of October. The members of the University Housing Committee wish to take this opportunity to thank Mrs. Browett and Mrs. Brock for the gracious and effective way in which they handled the many and often perplexing problems.

### Counselling

A great deal of my time is devoted to personal counselling. Students make appointments for interviews and discuss their varied problems. Personal counselling is concerned not only with emotional problems but with those problems which are associated with study, housing, employment and finance. This type of service will have to be expanded in the near future.

It would be impossible to function effectively as a counsellor without the help of the University Health Service. I am constantly indebted to the medical and nursing staff for their counsel and the prompt attention which they give to students with medical and psychological problems.

As well many members of the Faculty take a special interest in their students and refer them if they have problems. This

cooperation on the part of the individual Faculty Members, the Deans, the Principals, and the Assistants to the Frincipals, is appreciated.

In counselling students one becomes acutely aware of the importance of scholarships, bursaries and loans. The excellent report of the Awards Officer makes it amply clear that many students, and women in particular, need financial assistance. He reports that "a greater percentage of women than men receive bursaries (19.5% to 16.8%) and the average bursary is larger (\$426.00 to \$329.00)". Without such assistance many bright, conscientious students would not receive a University education. It is a pleasant duty to acknowledge and express gratitude to the governmental agencies, industry, special groups, foundations and private individuals who provide this assistance.

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### DEPARTMENT OF THE DEAN OF MEN

Report of the Dean - T. L. Hoskin

In 1963-64 there were 3230 men registered as full-time intramural students in Colleges and Schools of the Constituent University. This represents an increase of 481 or 17.2% over the previous year and approximately 2000 more than the men registered in 1950 when the Department of the Dean of Men was established.

The staff in this office believe wholeheartedly in the worth of the individual and are constantly aware of the importantce of human values. The whole student, not just his mind, is very much our concern. We are as interested in what the student can become as we are in what he is. To this end a rather wide range of student services is made available to students who need help. These services include personal counselling, permanent and part-time employment, student financial assistance, and liaison with student residences, student organizations, university departments, and community resources.

# Counselling

There are now two professionally trained counsellors in this department. Most of the students who appear for counselling do so voluntarily, but a few are invited to come in for a great variety of reasons. The co-operation of faculty advisers and assistants to the Principal is very much appreciated. It is hoped that faculty advisers will continue to refer students whose academic problems stem from situations where this office can be helpful. The counselling of male students is the most time-consuming and, indeed, the most important of the student services provided. Its effectiveness is enhanced considerably by the co-ordination of placement, housing and student financial aid in the one department. From these contacts student problems are often identified early, at a time when it is still possible for something to be done. Students with psychological problems present a small but very special group who seek help in this office. The counsellors work very closely with the Health Services Office where the University Physician and his staff have been extremely kind and helpful in accepting referrals and arranging promptly for the care and treatment of emotionally disturbed students.

### Student Financial Assistance

On July 15, 1963, B. E. Smith, B. Comm., Carleton University, was appointed Awards Officer in this department and was given an office on the second floor of Stevenson Hall. This is a most welcome appointment because the student financial assistance programme has grown rapidly with student enrolment and now is really a very large and important student service available to both men and women students at the graduate and undergraduate level.

The following is a brief summary of student aid from the 1963-64 report of the Awards Officer:

	No. of Awards	No. of Students Assisted	Value of Aid \$	Average Amount per Student Assisted	Number of Full-time Students	Percentage of Student Body Assisted
Undergraduate	2,107	1,533	773,515	505	4,160	36.8%
Graduate	599	480	574,485	1,197	647	74.2%
Grand Total	2,706	2,013	1,348,020	669	4,807	41.8%

#### ASSISTANCE FOR FIRST YEAR STUDENTS RELATIVE TO ALL UNIVERSITY ASSISTANCE

#### BURSARIES

Number in Course	Number Assisted	Percentage Assisted	Amount \$
744 G.P. II	197	26.5%	472
185 G.P. I	33	17.8%	403
168 Pre-Business I	20	11.9%	483

172	Pre-Medicine I	38	22.1%	489
70	Pre-Nursing	7	10.0%	361
89	Engin. Sc. I	22	24.7%	473
1,428	All First Year Students	317	22.2%	432
4,160	All Undergraduates	812	19.5%	366

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# SCHOLARSHIPS

Number Course	in	Number Assisted	Percentage Assisted	Amo.uit \$
744	G.P. 11	62	11.2%	528
185	G.P. I	30	16.2%	463
168	Pre-Business I	5	2.9%	380
172	Pre-Medicine I	17	9.9%	651
70	Pre-Nursing I	4	4.3%	333
89	Engin. Sc. I	11	12.3%	436
1,428	All First-Year Students	129	9.0%	497
4,160	All Undergraduates	268	6.4%	465

# LOANS

Number : Course	in	Number Assisted	Percentage Assisted	Amount \$
744	G.P. II	64	8.6%	414
185	G.P. I	12	6.0%	391
168	Pre-Business I	20	11.9%	377
172	Pre-Medicine I	13	7.5%	436

70	Pre-Nursing I	-	-	-
89	Engin. Sc. I	10	11.2 %	450
1,428	All First-Year Students	119	8.3%	411
4,160	All Undergraduates	581	13.5%	409

# NOTES

- 1. 46% of all Bursary Assistance paid to undergraduates was paid to students in their first year.
- 2. 51% of all Scholarship money paid to undergraduates was paid to students in their first year.
- 3. 21% of all Loan Assistance paid to undergraduates was paid to students in their first year.

In his 1963-64 report the Awards Officer recommends that a close review of the supply of bursaries and other awards be made annually, because of rapidly changing needs in this area. At the moment there is good reason to believe that the supply of bursaries and scholarships for other than freshmen is falling behind.

#### Placement

The Placement Programme for all students, except those in Business Administration, is under the direction of Mr. B. G. Wells, M.A. During the year Mr. Wells spends about 50% of his time on summer, part-time, and graduate placement. The rest of his time is spent as counsellor and Assistant Dean of Men. The major part of the graduate placement is carried out over a period of six weeks in January and February. In this period about 2,000 interviews are scheduled for students and possible employers. This is a very busy time for all but it seems wise to keep the campus interview period as short as possible and thereby make the least possible interruption in the student's programme of studies.

Interview Teams Recruiting on Campus

#### Secondary Schools

Government, Business & Industry 123 Summer & Casual Employment 47

TOTAL

188

In February 1964 Dean D. F. Dadson, College of Education, Toronto, once again spoke to graduates interested in secondary school teaching. Close to 375 students filled Middlesex Theatre on this occasion. It is planned to invite Dean W. S. Turner, of the new Ontario College of Education (London) to address the graduates in 1965 but we shall always be grateful to Dean Dadson for his kindness in coming to Western for so many years to help our students.

During the year the Placement Officer conducted the first national survey of jobs and salaries offered to the graduating students of Canadian universities. The 1964 Survey was financed by the Canadian University Counselling and Placement Association and will be undertaken again in 1965 by Mr. Wells with the same sponsor.

# International Students

In 1963-64, 178 students from other countries were registered at this university. The figure includes 102 graduate students and 76 undergraduate students. The 178 foreign students represent a 16.3% increase over the 153 who were registered here in 1962-63.

Three organizations are actively involved in local programs for foreign students:

 The Overseas Student Reception Service meets foreign students upon their arrival in London, provides an orientation program which helps to introduce the student to the university and the community, helps the student to find adequate housing and generally assists the student in adjusting to the university and community. Western's Overseas Student Reception Service is already preparing its program for the next year and will be associated with a new national association, Canadian Service for Overseas Students and Trainees, which was established to assure

that adequate reception and welfare services be available in all the major centers in Canada for young men and women from abroad.

2. Friendly Relations with Overseas Students is assisting our students in obtaining contacts with families and social activities in the community. Dr. John McKim was appointed Chairman of Friendly Relations with Overseas Students in November and has had a very active program for our students. 3. The International Students' Club under the jurisdiction of the University Students' Council is composed of Canadian and foreign students. It provides educational, cultural and social programs throughout the year for club members.

The very worthwhile activities of these organizations interested in welcoming and assisting international students have been co-ordinated into a meaningful programme with a minimum of overlapping. In addition to the on-campus groups mentioned above, the International House has done much to help these students to adjust and to feel at home in their new environment.

#### Medway Hall

The following were on the staff of Medway Hall in 1963-64:

Warden:	Michiel R. Leenders, M.B.A., D.B.A.
Dons:	Donald R. Miller, M.A., Ph.D. James R. Niniger, M.B.A.
	Murray M. Young, M.A.Sc.

Secretary: Mrs. K. Burgess

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

W. Balderston, Ph. D.	Associate Professor,
	Department of History,
	University College.

J.H. Blackwell, M.Sc., Ph.D. Senior Professor of Applied

D. R. Ladd, D. B. A. E. W. Packer, M. A. Mathematics, Department of Mathematics and Astronomy, University College.

Professor, School of Business Administration.

Associate Professor, Department of Geography, Middlesex College. E. G. Pleva, M.A., Ph.D.

E. R. Plunkett, M. D., Ph. D.

Professor and Head of the Department of Geography, Middlesex College.

Associate Professor of Medical Research, Medicine, Obstetrics and Gynaecology, Collip Laboratory.

The Honourable I. C. Rand, LL. D.

G. L. Reuber, Ph. D.

Dean, Faculty of Law

Faculty of Medicine.

Professor and Head, Department of Economics and Sociology, University College.

J.A.F. Stevenson, M.D.C.M. Professor and Head, Department of Physiology,

H. B. Stewart, M. D., Ph. D. Professor of Biochemistry, Faculty of Medicine.

For the regular academic year 1963-64, 1350 applications were received by the Residence Admissions Office for Medway Hall and Sydenham Hall, and the residences were filled at all times. During the summer of 1964, 829 persons in special groups were also accommodated in Medway Hall.

### Sydenham Hall

The following were on staff at Sydenham Hall in 1963-64:

Warden: W. Cameron Henry, Ph. D.

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

Dons: Alan T. Olson, M.A. Felix Atance, M.A. William J. Morris, M.A. Secretary: Mrs. Grace Spencer Also associated with the residence were ten distinguished members of the faculty who accepted the honour of being appointed "Fellows of Sydenham Hall".

J. Havelka, M. A., Ph. D., M. Sc. Ass Dep Mid L. Ignatieff, B. A., M. A., Ph. D. Pro Dep Mid A. H. Johnson, B. A., M. A., Pro Ph. D., F. R. S. C. Dep Uni W. J. L'Heureux, B. A., M. A. Pro Dep Hea Edu

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

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

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

Associate Professor, Department of Psychology, Middlesex College.

Professor and Head, Department of Russian Studies, Middlesex College.

Professor and Head, Department of Philosophy, University College.

Professor and Head, Department of Physical, Health, and Recreation Education, University College (Thames Hall).

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

Senior Professor, Department of Physics, University College.

Associate Professor, Department of English,

Middlesex College.

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

Associate Dean of the School of Business Administration

R. J. Uffen, B. A. Sc., M. A. Ph. D., P. Eng., F. R. S. C. Professor, Department of Geophysics, Principal, University College.

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

Professor, Department of Mathematics and Astronomy, University College.

During the summer of 1964, 218 summer school students, 45 graduate students, and 436 in special groups were accommodated.

#### Fraternities

Fraternity scholarship continued to improve in 1963-64 and several awards were won by our Chapters and their members. The attitude towards scholarship in our fraternities is excellent and only one Chapter was below the All Men's Average. The interest and help from alumni members and the Interfraternity Council have contributed much to fraternities on this campus.

Epsilon Omicron Chapter of Sigma Chi won the following International Awards:

 Legion of Honour - for highest non-professional fraternity average on campus.

2. Order of the Scroll - for overall scholarship excellence and improvement in ranking over the previous year.

3. Sigma Chi Library award - for its scholarship ranking as Fourth out of 137 Sigma Chi Chapters in Canada and the United States of America.

Alpha Kappa Kappa won the Interfraternity Scholarship Trophy for the highest record of scholarship in competition with all of Western's fraternities. One of its members, Michael Grace, won a Rhodes Scholarship, and it produced the most beautiful float in the Homecoming Parade.

The members of Delta Alpha Chapter of Beta Theta Pi won three Honour Awards from U. W.O. and the I.F.C. Trophy for the Annual Blood Drive Competition. Sixteen students held key positions in student activities including the post of President of the University Students<sup>1</sup> Council.

Delta Upsilon maintained a fine record of Chapter scholarship, winning a D.U. Foundation Scholarship Award and placing four members on the Deans' Honour Lists. Fourteen members filled key positions in athletics and student organizations, including that of President of the Interfraternity Council.

Beta Sigma Rho won the Michael F. Ellis Trophy for scholarship in competition with other Canadian and American Chapters on Beta Sigma Rho.

Beta Theta Pi sold its house on Oxford Street and purchased a beautiful new Chapter house at 304 Princess Avenue. The maintenance of the Chapter houses as a group was good.

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

fraternities. One of its members, Micosel Cases, as a Medes Scholarship, and it protected the most bianks frater a likewich Parada,

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# PRESIDENT'S MEDALS

Report of R. G. N. Bates Chairman of the Committee

The President's Medals have been awarded since 1951 to complement the Governor General's Awards for literature. They are given for the best single poem submitted, the best short story, the best scholarly article, and the best general article published in Canada during the past year by a Canadian citizen or a resident of Canada. The entries are judged by special committees drawn from the faculty of the University.

On June 25th, at Acadia University, the Medals were presented at an Awards Luncheon of the Canadian Authors Association, which was held during the Associaton's Annual Convention.

The Medals were won by:

Single Poem:	"The Country North of Belleville", published in <u>The Tamarach Review</u> by Alfred Purdy.
Short Story:	"Mask of Beaten Gold", published in <u>The</u> <u>Tamarack Review</u> by Margaret Laurence.
<u>Scholarly Article</u> :	"Dramaturgy in Shakespeare and Brecht", published in <u>The University of Toronto</u> <u>Quarterly</u> by R. B. Farker.
General Article:	"Conversations with Quebec's Revolutionaries" published in Maclean's Magazine by Peter

# Gzowski.

The names of the judges are as follows:

Single Poem:

Frofessor J. A. Bruce Professor J. C. Reaney

Short Story:

Professor R. G. N. Bates Professor R. M. Stingle Professor A. R. Anderson Professor R. E. Butts

General Article:

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Scholarly Article:

Frofessor W. Balderston Professor L. S. Lauchland

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### The marries of the judges are to follows:

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Protoster H. G. M. Bates

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## UNIVERSITY ATHLETIC ASSOCIATION

Report of the President - D. O. McKay

The University of Western Ontario Athletic Association held two meetings during the year. The first was a special meeting held on November 13, 1963, to amend the Constitution of the Athletic Association so that the rather large "Women's Athletic Committee" will now be known as the "Women's Athletic Council".

The Annual Meeting of the Athletic Association of the University of Western Ontario was held following the Men's Athletic Banquet on April 1, 1964, at which time the following appointments were announced:

University Students' Council
University College
University College
School of Business Administration
School of Medicine
Alumni Association

A motion to amend the Constitution of the Athletic Association which would, in effect, require students to purchase tickets to gain admission to all home basketball games, was defeated when it failed to receive the necessary two-thirds majority vote for ratification. This motion was introduced in the hope that such a measure would alleviate the overtaxed facilities of the Thames Hall gymnasium at the basketball games.

The Athletic Directorate met five times during the year. In

addition to handling the routine business, it took cognizance of the fact that due to the increased student participation in athletics and the availability of better facilities within the community, the University's well-rounded athletic program should be further diversified by additional activities. Applications from three groups wishing to be recognized as athletic clubs bearing the university's name, were received and approved. These are the University of Western Ontario Curling Club, The University of Western Ontario Judo Club and The University of Western Ontario Hockey Club. Before approval was given to the last-named broup, a special committee of the Directorate was appointed to consider carefully the many problems which could arise in connection with the operation of such a club. The recommendations of this committee were set forth as conditions which the Club was required to, and did, satisfy, before they were allowed to use the University's name. Under the able direction of Professor W. J. L'Heureux who acted as coach, and Dr. Donald Thain as Faculty Advisor, the hockey club iced a very capable team which compiled a fine record in exhibition play against other intercollegiate and Junior "B" teams, losing only to the strong University of Toronto team which won the Ontario-Quebec Athletic Association title. All home games were played in the new Treasure Island Gardens and the hockey club did break even financially.

At its meeting held on January 28, 1964, the Athletic Directorate agreed that on the basis of the performance of the University of Western Ontario Hockey Club during 1963-64, hockey should be approved as an intercollegiate sport and be included in the athletic budget for 1964-65. The Finance Committee of the Athletic Directorate also agreed, at their meeting held on February 19, 1964, to include hockey in the budget for 1964-65, and subsequently, this budget was approved by the University Board of Governors. On March 20, 1964, the Board of Governors of the Ontario-Quebec Athletic Association, at its meeting at McGill University, approved the application of the University of Western Ontario to enter a hockey team in the O-Q. A. A. League for the year 1964-65, providing a suitable nine-team schedule could be arranged. This schedule has been worked out, and for the first time since 1955 the University will have an intercollegiate hockey team.

Two new trophies were received by the Athletic Association. The first was the Peter J. Fowler Trophy donated by this year's swimming team in honour of Peter Fowler for his outstanding contribution to the success of the swimming team during his career at this University. This trophy is to be awarded annually to the swimmer adjudged by his teammates to be the most valuable to the team. The second trophy was donated by the Class of Medicine, 1964, to be awarded annually to the winning interfaculty water polo team.

In recognition of the importance of a sound athletic program as an integral part of the total education process, I should like to express, on behalf of the Athletic Directorate, our appreciation to all those who have helped to make the program here at Western one of the best.

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#### INTERCOLLEGIATE ATHLETICS

#### Report of the Director - J. P. Metras

### Men's Intercollegiate Athletics

Another successful year of athletics was completed in 1963-64. It was a particularly busy year for the Athletic Directorate under the guiding hand of the Chairman, Dr. D. O. McKay.

A limited hockey exhibition schedule was played on a semiofficial basis. Highlight of the year from a championship standpoint was the winning, for the first time ever, of the Harald Martin Trophy for the Squash Team Championship.

The Dr. Claude Brown Memorial Trophy for the greatest contribution to athletics was won by Tom Williamson, three time O-Q. A. A. Basketball All-Star and former League Scoring Leader.

Traditional Purple Blanket Awards for outstanding success in two or more sports were presented to John Cowin, John Metras, Jr., and Barry Mitchelson. There were 81 First Colours and 94 Second Colours awarded. In addition 16 men received Bronze "W"'s A new trophy, to be known as the Peter Fowler Trophy, was accepted by the Athletic Association for annual award to the most valuable member of the Senior Swimming Team.

#### Football

Western placed second to Queen's University in the Ontario -Quebec Athletic Association quest for the Yates Cup. The Mustang league record was three wins and three losses. Overall, their

record was five wins and four losses. The George McCullagh Award for the most valuable player on the team went to John Cowin on a vote by his teammates.

The Colts, by virtue of a 3-1 record, were recognized as Intermediate champions in a league with Toronto and Ryerson Institute of Technology. James Riley won the Dr. Archie Galbraith Memorial Trophy as the most valuable player.

#### Soccer

Western, with the best team in several years, ended a season in a second place tie with Toronto, one point behind the winning McMaster Team.

#### Basketball

Despite the lack of experience and depth, the Mustang cagers made a good showing in an extremely tough basketball schedule, both in the O-Q. A. A. Conference and in the exhibition series with many top flight U.S. College Teams. With an overall record of 9 wins and 12 losses, the Purple and White ended with a 7 and 5 record, good enough for a third place league tie with Toronto, behind Windsor's 12-0 and Waterloo's 8-4 records. Captain Tom Williamson established a new Western individual onegame scoring record of 43 points.

#### Golf

The Mustang foursome placed second to the University of Toronto golfers in the Senior O-Q. A. A. Championship Tournament over 36 holes at the Beachgrove Club in Windsor. Individual scores of 159, 161, 161, and 164 gave Western a 645 total to Toronto's 634.

#### Tennis

A four-man squad placed fourth in the Senior O-Q. A. A. Championship Tournament held at the University of Montreal and won by McGill.

#### Track & Field and Harrier

The Senior Track Championship was won by Toronto with 59

points. Western placed third with 41, taking firsts in the Shot Put, High Jump and the Pole Vault. The Mustang Harrier Team placed second in the Championship Meet held at Guelph.

Swimming

Western placed second in the Championships held in Toronto and won by the host school. Three individual championships were won by Western swimmers.

### Squash

After several dual match competitions, the five-man squash team climaxed a highly successful season by winning, for the first time ever, the Harald Martin Trophy for the Senior O-Q.A.A. Team Championship. The tournament was held in London.

#### Badminton

Hosted by Western, the four members of the Mustang Team placed third in the Senior Championship with 15 points. It was won by McGill with 26, Queen's placing second with 20.

#### Wrestling

The Wrestling Team competed in a full schedule of dual meets, mostly with nearby U.S. College Teams. A strong showing in the O-Q.A.A. Championships at Guelph saw them end up with third place and 60 points. Three members of the team won championships in their respective weight classes. Sandy Massaro was voted the most valuable team member and received the George Oliphant Memorial Trophy.

#### Rowing

#### Vortien's Alblette Activitie

Western had a series of training competitions and hosted the Senior Intercollegiate Championship for 8-oared crews at Fanshawe Lake. The event was won by Toronto, Western second.

# Men's Intramural Athletics

Intramural Athletics continued to increase in scope and in participation again this year. Skating and Hockey continued to show the largest numbers of participants. Ice rink facilities were available from November 15 to March 15. A particular increase was noted in the use of the squash courts for squash, handball and paddelball. Limitations had to be placed on the use of the courts by individuals.

Competition on a championship basis was conducted in nineteen different sports events. The major sports are: 6-man football, basketball, volleyball, hockey and water polo. Classed as sub-major are: swimming, wrestling and track and field. Minor sports are: harrier, golf, handball, squash, badminton, table tennis and tennis.

After year-long close competition, Middlesex College again won the University Shield as overall champions with a total of 182 points. Tied with 142 points in second place were University College and Huron College. Business was fourth with 111, followed by the Meds with 105.5, C.K.C. with 103, and Engineering Science with 29.5.

Other activities were conducted on an informal basis. House Leagues were conducted in basketball, hockey, volleyball, squash and handball. Curling, fencing, bowling, archery and gymnastics also had club groups operating during the year. A series of inter-fraternity sports competitions were conducted with the assistance of the Intramural Department.

Intramural Key Awards were as follows: Bronze - 88, Silver - 21, Golf - 7. Six men received the Honour Award Plaque for outstanding performances.

#### Women's Athletic Activities

1963-64 was another successful year in athletics for the women at Western. Especially in Intramural Sports there was a remarkable increase in participation. The number of participants has grown more than 50%, from 304 in 1962-63 to 461 in 1963-64. The total participation in the 14 different sports increased from 539 to 951, indicating an increase of more than 75%. The largest number of participants was in volleyball (162), followed by bowling (94) and basketball (91).

The Lang Trophy was won by Nurses with 156 points,

followed by PHRE and Brescia respectively.

Western girls participated in 3 Telegraphic Tournaments. For the first time our girls won the Telegraphic Track & Field Meet by placing first in three events; High Jump, Broad Jump and the Javelin Throw. A large number of second and third places helped to give the victory to Western with 99 points. The University of Saskatchewan and the University of British Columbia tied in second place with 73 points each. Western placed 5th in Telegraphic Bowling and 2nd in Telegraphic Archery. In the WESTOAMAN League, both in the fall and winter sports days, we were the winners.

Of the 8 intercollegiate competition championships, 6 went to Toronto. Western won the Basketball Championship and the Volleyball Championship. This was the eleventh consecutive year that the Western girls have won the Volleyball Championship.

The Women's Athletic Council Banquet closed the athletic season. It was attended by more than 160 persons, and there were 32 first colours, and 9 Bronze "W"'s awarded. The F. W. P. Jones Trophy was won by Martha Borschke and white blankets were presented to Martha Borschke and Mary Lou Whitwill.

The biggest administration hash of the your and the reviews i of our Constitution to confisten to the one Confetence responsibilities Dorma the rear WCSSA distributed rear and breaded dollars worth of swards is the summer of the first loss and produced dollars worth

The following number of students accoully participated in WOSEA finals methy that

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One actual common annuaged on Candersence crampetities apporchant by our Association. In addition is install and heckey. Daring the Conference longues operated is for raall and heckey. Daring the part our Association conveges all Conterts tournaments, for the Orantic Federation of School Athlatic Associations, is Bashettell, Second by and Symmastics.

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Past President Mr. E. G. Mellven, Tarin Park Secondary

# THE WESTERN ONTARIO

### SECONDARY SCHOOLS' ASSOCIATION

Report of the Secretary - W. C. Crozier

Although shrunken in area from the original fourteen counties our Association continues to serve an ever-increasing number of students. In the forty-second year of its operation WOSSA had fortynine schools and approximately 37,000 students divided in the following competitive Conferences covering all or part of seven counties: Huron-Perth Conference, Lambton-Middlesex Conference, Sarnia Conference, Tricounty Conference, and London and District Conference.

The biggest administrative task of the year was the revision of our Constitution to conform to the new Conference responsibilities. During the year WOSSA distributed over nine hundred dollars worth of awards to the winners of the various association playdowns and tournaments.

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

Badminton	99	Swimming	94
Basketball	276	Tennis	47
Cross Country	135	Track & Field	734
Curling	124	Volleyball	312
Gymnastics		Wrestling	137
Soccer	32		

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

by our Association. In addition to these activities, various Conference leagues operated in football and hockey. During the year our Association convened all Ontario tournaments, for the Ontario Federation of School Athletic Associations, in Basketball, Swimming, and Gymnastics.

The officers elected for 1964-5 are:

Past President: Mr. E. O. McIlveen, Huron Park Secondary School, Woodstock.

- President: Mr. O. L. Day, Goderich District High School
- Vice-President: Mr. A. H. Fudge, Sarnia Central Collegiate Institute
  - Secretary-Treasurer: Mr. W. C. Crozier, Dorchester High School

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

In my first year as Secretary-Treasurer I have made many new contacts at the University and have been greatly impressed with the spirit of cooperation and helpfulness that I have encountered in dealing with the Physical Education Department and other U. W.O. officials.

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#### UNIVERSITY HEALTH SERVICE

### Report of the University Physician Richard Bowen

#### General

The outstanding characteristic of 1963-64 has been increased activity.

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

During the examination period the Health Service was open on Saturdays. Upon request the facilities were available for special occasions.

For completion the regular hours are outlined:

- During the first and second semesters the nurse was on duty at 8:00 a.m. to 4:30 p.m., Monday to Friday inclusive.
- During the same period a physician was present in the clinic from 10:30 a.m. to 12:30 p.m., and from 1:30 p.m. to 4:30 p.m., Monday to Friday inclusive.
- During the Summer School the nurse was on duty from
   1:30 p.m. to 4:30 p.m., five days a week, and a physician
   was available for consultation from 12:30 p.m. to 1:30 p.m.

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

The academic session 1963-64 was not characterised by widespread infections; accidents were few, and loss of time, except in special cases, was not too marked.

### Physical Examinations

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

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

### Tuberculosis Survey

The writer expresses his sincere thanks to the President for his interest in tuberculosis control. The writer knows of no other university where this matter is given as much thought by the chief executive and the governing body.

The 1963-64 survey was carried out by the Beck Memorial Sanatorium team. Invaluable staff work was carried out by Mrs. Mary Jarvis of the Health Service. Special mention is made of the

cooperation of the Superintendent of Buildings and Grounds.

The survey was successful; however, greater efficiency is indicated. The situation was investigated at the request of the President under the able direction of Dr. Warwick, Dean of Medicine, with a committee to assist.

Subsequent changes in method and timing will make this undertaking more fruitful of result. In 1963-64 the institution was clear and reactors were x-rayed and followed up in the accepted manner.

### Health Education

No formal course of instruction was given in 1963-64. Extensive counselling was done by the Victorian Order nurse, who is qualified. The medical staff have advised in matters of health on a group and personal basis.

# Statistical Survey

Prophylactic Innoculations	1962-63	1963-64	
Allergy Serum	394	507	
Typhus-Cholera	15	32	
Poliomyelitis	53	13	
Folio and Tetanus	74	201	
Tetanus	120	48	
Typhoid-Paratyphoid	25	128	
Typhoid-Paratyphoid-Tetanus	52	3	
Smallpox	83	128	
Bronchial	31	111	
Staphylococcus Toxoid	4	15	
Paul Bunnell	65	63	
Wassermann	10	10	
Diagnostic Referrals		The wither	
Cardiac		due ni la secolo	
Diagnostic X-ray	155	177	
Treatment X-ray	26	33	
Dermatological	11	12	
Orthopedic	14	21	
Psychiatric	14	28	
Allergic	4	4	
Medical	17	22	
Surgical	52	49	

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Endocrinological Eye, Ear, Nose & Throat Dental Gynaecological Neurological Urological

### Current and Comparative Study of Clinic Activity

	1962-63	1963-64
Consultations	8,896	8,771
Insurance Claims	441	460
House Calls	35	75
Office Calls	72	86
Staff seen in Health Service	120	200
Other Consultations	7,193	7,057
Total Attendance	8,896	9,231

### Student Insurance

No changes were made in student insurance in 1963-64. The diagnostic clause was found to be particularly valuable for those still lacking O.H.S.C. coverage. Insurance claims processed by the Health Service office numbered 460.

### Staff

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

The success of the tuberculosis survey, follow-up disability, insurance finalization and physical examinations are directly due to the efforts of Mrs. Mary Jarvis whose staff work was excellently done with a willingness that was invaluable.

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

efficient cases of modical students. Efforts desaughout the years arought forth no solution to vering the num without constiderable idea of setrestional time. Care was mainly given to the private office of the University Physician and the

### Comment

- 1. Interest in prophylactic innoculation was increased.
- 2. In this analysis neuropsychiatric disability has not markedly increased.
- 3. The morale was good. Stability level also above average.
- 4. Student motivation favourable.
- 5. Considerable concern was felt in the department in regard to the everlasting demand for medical excuse for lost time. So many certificates of diverse nature were given that the opinion is entertained that they were useless. The few necessary certificates therefore lost significance.
- 6. It was observed that poor organisation of work was in many cases the cause for a good deal of anxiety. In the winter of 1964 immediately after slack week many students were seen with anxiety symptoms. The staff were quite concerned; many of these students did not level off for the remainder of the year.

It was found that many had not put on study pressure subsequent to the Christmas vacation, with bad results.

Lumping of assignments with tests at this period caused many better students to discover their inadequacy with consequent anxiety.

 It came to light that a number of students did not know that the Health Service existed. Consequent attendance at general hospital emergencies was increased.

# Administrative Problems Militating Against Full Efficiency of Department

1. The writer did not succeed in implementing a plan for the efficient care of medical students. Efforts throughout the year brought forth no solution to seeing the men without considerable loss of instructional time. Care was main<sub>1</sub>y given in the private office of the University Physician and in making house calls.

2. The student body did not report illness causing lost time to the Health Service for incorporation in the records.

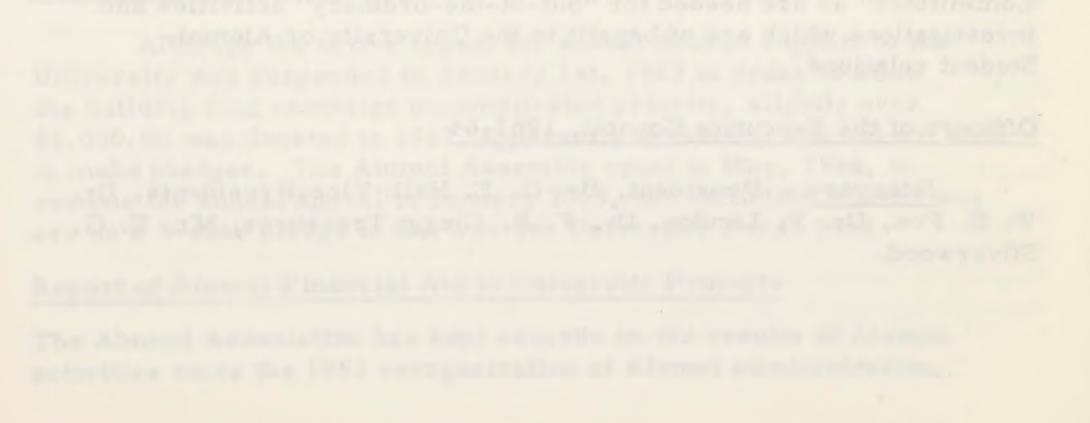
# Acknowledgment

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

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# ALUMNI ASSOCIATION

#### Report of the Director - G. O. Hartwell

The Alumni Association of the University of Western Ontario continues to be administered by an active working group of graduates composed of officers and faculty representatives elected to an Executive Council, officers and executives of U. W. O. Alumni Branch Associations, and the Alumni Director and his staff located on the campus.

Important personnel connected with University-Alumni relations are: two graduates elected by Alumni-at-large to the University Board of Governors, ten graduates elected to the University Senate; the Alumni President who also serves on the University Senate for his term of office.

All of the above meet annually for the Alumni Assembly. This body reviews the year's Alumni activities, and formulates future policies for the Executive Council's action. An important factor in setting policies for Alumni activities is an annual informal conference between University and Alumni officers, as well as frequent consultations, to learn how best the Alumni Association can serve the interests of the University.

#### The Executive Council and its Committees

The officers and faculty representatives of the Alumni Association hold similar positions on the Executive Council. The activities of the Alumni Association are carried out by the Alumni Office staff under the direction of eight "Standing Committees" and as many "Special Committees" as are needed for "out-of-the-ordinary" activities and investigations which are of benefit to the University or Alumni-Student relations.

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Officers of the Executive Council, 1963-64

Honorary:- President, Dr. G. E. Hall; Vice-Presidents, Dr. W. S. Fox, Dr. F. Landon, Dr. F. R. Clegg; Treasurer, Mr. E. G. Silverwood. Active:- President, Mr. James Chick; Past President, Mr. Fred Norwood; Vice-Presidents, Mr. Kenneth Murray, Dr. Andrew Hunter; Secretary-Treasurer, Mr. George Hartwell.

# Chairmen of the Standing Committees

Alumni Clubs, Mr. Ward Cornell; Citations, Mrs. Joyce (Kemp) McMeekin; Constitution, Mr. Frank Dowler; Finance, Mr. Arnold Harris; Annual Fund Appeal, Mr. D. S. "Bill" Rudd; Homecoming, Dr. John Tyson; Nominations, Mr. Fred Norwood; Publications, Mrs. Maxinne (Wyatt) Barker.

#### Chairmen of Special Committees

U.W.O. Alumni Spring Festival, Mr. Kenneth Murray; Western University Fund, 1963 (Alumni Section), Mr. Fred Norwood, Mr. A. J. "Pete" Little; Schools and Scholarship, Mr. Ward Cornell.

Activities of the Alumni Association

## Alumni Section, Western University Fund, 1963

The main action of this project made a fine start. A few areas in Canada, and all of the United States, through unforeseen circumstances, were delayed in organizing campaigns. To June 30, 1964, the alumni total of collections and pledges amounted to \$810,000.00. The \$160,000.00 average for the 5 years of the pledges compares to \$44,280.00 donated the last year of the annual alumni appeal, and attests to the interest and support of U. W. O. Alumni in this crash programme of expansion.

Alumni Annual Fund Appeal

Although the active appeal for annual Alumni support to the University was suspended on January 1st, 1963 in order to allow the building fund campaign uncomplicated priority, slightly over \$3,000.00 was donated in 1963, apparently by Alumni who did not wish to make pledges. The Alumni Assembly voted in May, 1964, to resume the annual appeal in January 1965, but excluding Alumni who are on a 5-year pledge to the Western University Fund, 1963.

Report of Alumni Financial Aid to University Projects

The Alumni Association has kept records on the results of Alumni activities since the 1953 reorganization of Alumni administration.

The financial section of Alumni support is reported below:

1.	Grants to University from surplus of annu (after paying Alumni services) Total this source 1955-62	ual fund appeal \$132,262.00
2.	Collected or pledged for Western University Fund 1963	810,000.00
3.	Direct Alumni gifts for other U. W. O. Projects:	
	as reported 1954-63 \$ 211,942.60 as reported 1963-64 71,399.20 Total to June 30, 1964	283,341.80
4.	Grants to Student Activities (Earned Funds)	
	as reported from 1954-1963 11,521.48 Grants 1963-1964 811.89 Total to June 30, 1964	<u>12,333.37</u>
	Grand Total - July 1 1954	in Canada, alla 11 of the Ca

Grand Total - July 1, 1954 to June 30th, 1964

\$1,237,937.17

# Graduate and Ex-Student Records

The Alumni Office continues the responsibility of maintaining the mailing addresses and biographical details for all U. W. O. graduates, and those ex-students who wish to maintain contact with the University. Counting the graduates of 1964, there are now 18,700 Alumni on record. Address card files, year cards, biographical folders, and addressograph plates which are tabbed for year and faculty, are maintained for each Alumnus(a).

In addition, other departments are assisted with their permanent mailing projects by the use of the plates and addressing facilities on the addressograph machine. Examples are the high school lists for the Registrar, permanent contacts for the Athletic Department, stamping invoices for the Book Store, etc. The Alumni Office prints and maintains address plates for all attendees at the special Management Courses at the School of Business Administration, and as well, our staff addresses envelopes for special mailings.

### Alumni Branch Associations

Key Alumni in many cities gathered at informal meetings with the organizers of the Western building fund campaign during the past year. Dr. Hall, Mr. Ward Cornell, Mr. Fred Norwood, and Mr. John Metras all reported favourably on the interest and enthusiasm of Western Alumni attending these meetings.

A total of 22 more formal U. W. O. Alumni Branch meetings were held across Canada and the United States during the 1963-64 year. For these meetings, the Alumni Office was involved in preparing up-to-date lists of names and addresses in each area for the use of Branch executives, as well as composing, printing, and mailing the "notices of meeting" and arranging for speakers. The Alumni Director attended the majority of these meetings.

#### University-Alumni Contacts

The Alumni Association maintains University - Alumni contacts with the Alumni-at-large through the Alumni Gazette, Branch Association meetings, the annual Alumni Homecoming Weekend, personal contact, and personal correspondence.

The "Alumni Gazette" is published six times a year by the Alumni Office and endeavours to keep Alumni fully informed on University happenings, Alumni Association activities, and personal data about individual Alumni.

The Alumni Homecoming Weekend is set up to make Alumni feel welcome on the campus, to encourage their personal interest and support by seeing University progress at first hand, and to provide the opportunity to renew personal contacts with classmates and University Staff. This is accomplished through "University Open House", "Special get-together functions", and "Class Reunions".

The Alumni Office regularly uses its addressing system to assist University departments, and student organizations, to mail announcements of special University events and courses (such as the Extension Department offers) to Alumni within commuting distance of the campus.

Under the direction of the "Schools and Scholarship" committee many Alumni in widespread areas are engaged in actively interesting "top" high school students to consider Western for enrolment.

The Alumni Office keeps records chronologically for all children of our Alumni. A personal letter and the University "Admissions Handbook" is mailed to the parents when these children reach their sixteenth year.

As a result of the contacts in the previous two paragraphs, there is a growing Alumni interest in sending children to Western. Although it is suggested that contacts and enquiries be made to the Registrar, the Alumni Director is called on, by letter or phone, to an increasing extent, for information about, and establishing contact with, University departments.

#### Alumni - Student Relations

The Alumni Director tries to establish, and promote, as many favourable contacts and relations with student organizations and individuals as can be managed. It is recognized that the rapid increase in student population leads more and more to impersonal student relations with the University staff. The Alumni Council feels that a real effort must be made to establish in the minds of students a sense of a University-Student-Alumni family relationship if the University is to benefit from the interest, loyalty, and support of its graduates.

Through its director, the Alumni Association endeavours to promote this relationship through joint projects at Homecoming, mutual interchange on student and alumni councils, assistance on student projects both financial and in the free use of Alumni facilities and equipment, and friendly talks to graduating classes of each faculty, either at their graduating dinner, or in the classroom.

Conferences with the permanent executive of each graduating class are held in the Alumni Office with a view to outlining Alumni Association services and detailing student responsibilities as Alumni. This work is followed up at least once every five years as the Alumni Office does the work for class reunions.

## U. W. O. Alumni Spring Festival

Although the annual Spring Festival of Music sponsored and promoted by the Alumni Association probably should be regarded as an extra-curricular Alumni activity, Western Alumni feel strongly that the advent of this highly cultural weekend of music has brought favourable advertising and prestige to the University, in addition to providing the opportunity for Western students, staff, and residents of the city of London and surrounding areas, to enjoy the highest quality of music available anywhere.

It is fully expected that when the new Alumni multi-purpose auditorium is completed in late 1966, the Spring Festival of Music will become financially self-sufficient and should not require the present annual subsidization by Alumni funds.

#### Conclusion

Because a university education is an individual's greatest intangible asset, and a university degree for most citizens is their "open sesame" for success in their chosen field, the results of Alumni work to promote successful University-Alumni relations are both hidden and apparent.

First, it must be firmly and effectively implanted in the minds of the graduates that the University continues its interest in its exstudents if their interest and support is to be maintained. Second, Alumni work must be pointed to keep graduates aware of the privileges gained by the education they received at the University of their choice, of the needs of the University, and the value of their interest and support to the University. Third, Alumni must be encouraged to realize that in promoting the success and prestige of the University, they are

in fact promoting their own prestige and success.

Many activities are involved in accomplishing these ends. Besides the necessary help on the part of large numbers of Alumni volunteers in widespread areas, frequent use of University facilities and personnel is needed. The Alumni Director and his staff are most grateful for the assistance and direction of the great numbers of Alumni involved, the interest and cooperation of many University departments, and the encouragement and cooperation of the University Board of Governors and the Administration.

### JOINT MCINTOSH COMMITTEE

Report of the Secretary - R. A. Allen

The McIntosh Memorial Gallery enjoyed another successful year under the direction of a new Resident Artist, Mr. William Roberts. Mr. Roberts arranged some seventeen exhibitions of paintings, drawings, sculpture and brass rubbings for the Gallery. Most of the works exhibited were by contemporary artists including, among others, Don Carter, Tom Forrestal, Harold Francis, Mickey Handy, Tom Lapierre, Carl Schaeffer, John Semlitsch, Dudley Witney and Marion Woodman. The Gallery was also used for exhibitions of religious art and Ukrainian art. In addition, Mr. Roberts conducted a weekly sketching class which was open to all interested students and faculty.

At the end of the academic year the University accepted with sincere regret Mr. Roberts' resignation. The Ontario College of Art, from which he had been absent on leave, urged him to return to assist in the expanded programme being planned at that College. As a token of his enjoyment of his year at Western Mr. Roberts presented to the Gallery two of his works completed during the year, one a drawing "Landscape", the other a painting "Canadian North". Another of his works, a water colour, was purchased by members of faculty and is now hanging in the Faculty Lounge in Somerville House.

Fortunately an excellent replacement was available at short notice. Mr. Tony Urquhart, who had been Resident Artist for the three previous years and who had spent the year 1963-64 studying in Europe on a Canada Council award, expressed his willingness to return to Western for the year 1964-65. He will be welcomed

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back.

The Joint McIntosh Committee provided again the usual prizes in Business Administration, Geography, Debating and Fublic Speaking. A total of \$2,365.00 was awarded in prizes. The Committee also made grants to the University Choir for the purchase of music and to the College of Music for its library of books and records.

### THE DEPARTMENT OF

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#### BUILDINGS AND GROUNDS

Report of the Superintendent - J. Shortreed

During the year, the staff of the Department of Buildings and Grounds averaged approximately 195 employees who were distributed as follows: technical - 3, clerical and drafting - 14, operative - 45, maintenance - 38, and caretaking - 95. Of the regular staff, 8 left during the year and one retired at the end of the fiscal year.

In addition to normal maintenance, approximately 700 projects were carried out for other departments and on special accounts a total of approximately 3,400 purchase requisitions were written to handle this work. Some of the more interesting jobs consisted of:

- the conversion of the Kymograph tables for the Department of Physiology
- an additional growth room for the Department of Botany
- a used water disposal well for the Men's R esidences air conditioning systems, co-ordinated by our trades as part of Residence construction.

#### Reservations

Room scheduling for all functions, outside the academic curriculum, again increased to a total of 6,056 reservations. Once the regular time-table is initially established, all variations from it are arranged through the reservations clerk.

Traffic and Parking

The following parking spaces were available as of June 30th, 1964, approximately 300 being added during the year.

Senior Faculty and staff, and visitors (Red Areas)	379
Faculty and staff (Blue Areas)	704
Visitors (Visitors' areas only)	74
Students, Misc. (General Areas)	1105

Tota: 2262

Privileges in specific Blue Areas were extended to graduate students who were recommended by principals for special consideration.

## Equipment

Additions to the major equipment of the department consisted of two small vans. One 3-ton truck, the 1/2-ton mail panel truck and the 1/2-ton stores van were replaced. The total vehicles available, therefore, are 6 trucks and 3 tractors.

### Alterations to Grounds

Lighting was installed for the practice football field southeast of the stadium and for the Red parking area north of the Heating Plant.

The re-location of the road east of the new Talbot College site was started using fill from the Biological and Geological Sciences Building Additions excavation.

The paving of the roads adjacent to the Services Building and the Stadium was completed.

Alterations to Buildings

The lower corridor lighting in Thames Hall was converted to fluorescent type.

The electrical systems in two Chemistry laboratories in the Physical and Chemical Sciences Building were enlarged and improved. Fire doors with exit lights were constructed on each floor at the north and south stairways in University College, at the basement and 2nd floor levels in the Collip Medical Research Building, and on the 2nd floor stairway to the north wing in the College of Music. Exit lights were also installed throughout the College of Music. All of the foregoing was part of the University's fire precautionary program.

A more adequate supply of soft hot water was provided to the shower rooms in the J. W. Little Memorial Stadium by installing a new water line to the storage tank in Thames Hall.

University College was provided with an enlarged locker and lunch room for female staff.

The student women's washroom in the Physical and Chemical Sciences Building was modernized and improved.

Minor alterations were made at Gibbon's Lodge to improve the heating.

One of the attic areas in the College of Music was divided to provide two additional practice rooms.

Alterations were made in Stevenson Hall to provide facilities for a changed computer. Included, was the division of space to form two additional offices.

The alterations program of re-arranging laboratories in the Engineering Science Building was completed as far as planned.

New Buildings and Projects

Progress on the Capital Program in various buildings is summarized on the following chart-report.

Sydenham Hall Men's Residence for 300 students was completed and full occupancy obtained for the regular fall term in September, 1963.

The contract was awarded for the construction of the Medical Sciences Building and work commenced in July 1963, with completion scheduled for occupancy in September 1965. - 144 -

The North and South additions to Middlsex College were completed and the necessary alterations made in the original building by October 1963.

The one added Greenhouse authorized by the Board of Governors as part of the proposed additions to the Biological and Geological Sciences Building was constructed and put into use during the year.

The plans for the new Chemistry Building were completed. Tenders were received on October 17th, 1963 and work on the project commenced immediately for intended occupancy early in 1965. The total cost of the building including architect's fees, furnishings and special equipment is \$3,115,000.

The drawings and specifications for the two additions to the Biological and Geological Sciences Building were finalized. Tenders were called on March 19, 1964 and the contract awarded for a completion date in August 1965. A project budget of \$2,820,000 was approved.

The additions will consist of one four storey wing connected to the new Chemistry Building and a five storey wing extending north from the east side of the present Biological and Geological Sciences Building.

The wings will contain laboratories and classrooms to provide expanded facilities for the Departments of Geophysics, Geology, Botany, and Zoology. In addition, there will be six lecture rooms, three with a capacity of approximately 160 seats each plus three smaller units with total seating for 650 students.

Tenders were called for the Natural Sciences Centre (formerly referred to as the Composite Sciences Building) on June 12th, 1964 and the contract awarded with a project budget of \$1,758,000. Construction commenced immediately for building completion in the summer of 1965.

The building will be located directly north of the present Physical and Chemical Sciences Building and will be connected to it and to the new westerly wing of the Biological and Geological Sciences Building and through it to the Chemistry Building by walk through tunnels. Construction will provide 2 large lecture rooms for science familiarization courses given to General Arts students. The building will also contain the University Computing Centre, a sciences library and a coffee shop seating approximately 300 people. On the top floor, adjacent to the Computing Centre, most of the Department of Mathematics will be housed. An office has been provided for the principal of the Science Faculty.

The expansion of the main heating plant by the installation of two new oil fired boilers, was completed and the new system placed in operation in time for the winter season. To handle the increased load, a new electrical sub-station was installed in the Heating Plant.

On the approval of the Board of Governors, tenders were called on May 14, 1964 for a band practice annex to the College of Music and the contract awarded with an approved budget of \$98,500.

The 36' x 68' addition consists of a separate two storey structure, erected south of the present building and connected to it by a walk-through tunnel. It will house a 50' x 36' rehearsal auditorium for the daily teaching of large classes, a small dual-purpose lecture and teaching room, twelve individual practice rooms and an office for the instructor.

The addition is scheduled for completion in the fall of 1964.

The work on the high voltage transformer station as authorized by the Board of Governors was essentially completed with the installation of the two 1000 KWA transformers and the cable to the Men's Residences and the New Science Buildings.

Planning for Expansion

Initial committee work occurred on the Somerville House Addition and on the Second Women's Residence to a point where the architect was asked to supply preliminary plans.

On the Third Arts College (Talbot College) planning was carried to the stage where most of the detail drawings and specifications were completed.

Preliminary planning occurred for the Alumni Hall.

This department, along with Principal R. J. Uffen and Dr. W. Wehlau were successful in locating a site which was purchased by the Board of Governors for the new Observatory. The property consists of four parcels of land totalling 300 acres, located in Biddulph Township approximately two miles north-east of Elginfield.

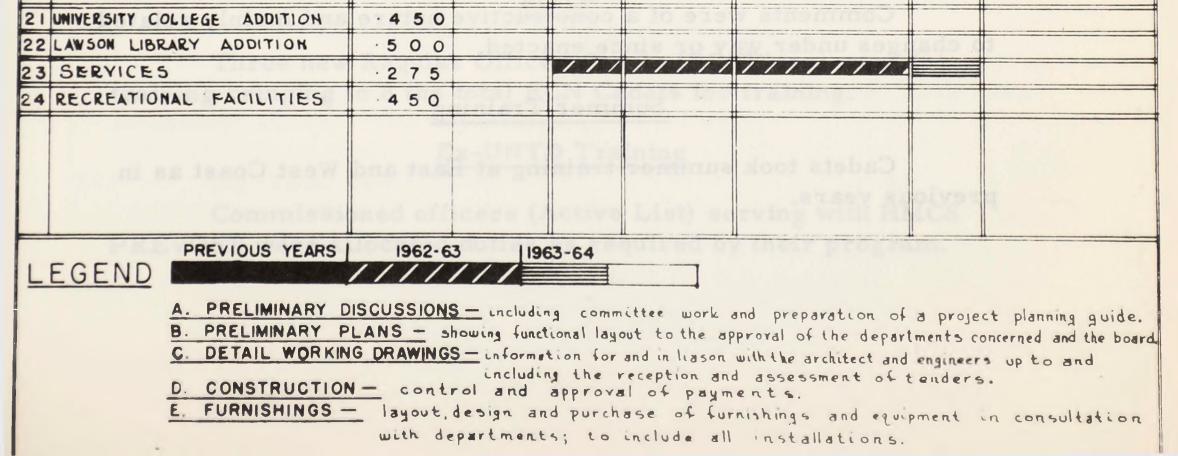
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Γ	1962-1970 CAPITAL PROGRAM						
L	THE DEPARTMENT OF	BUILDINGS & G	ROUND	S PROGRE	SS REPORT FOR	19	63-64
	PROJECT	APPROPRIATIONS (IN MILLIONS OF DOLLARS CAPITAL ESTABLISHE PROGRAM APPROPRIATION	PRELIM	B PRELIMINARY PLANS	DETAIL WORKING DRAVINGS	D CONST'N	E FURNISHINGS
E	UNIVERSITY COLLEGE OFFICE ADDITION					17	
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	MEDICAL SCIENCES BUILDING	5 - 5 0 0 5 - 5 0 0					
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-	BIOLOGICAL & GEOLOGICAL WING	2 · 0 0 0 2 · 2 5 0	////	////			
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	2 SECOND WOMENS' RESIDENCE	3 · 2 0 0					
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1.	EXAMINATION HALL	2.000					
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11	B THIRD MENS' RESIDENCE	2 · 5 0 0					
19	BUSINESS SCHOOL ADDITION	1.000		730100		(TITAL)	
2	BURGINEERING SCIENCE ADDITION	1.500					



# UNIVERSITY NAVAL TRAINING DIVISION

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

The following report of proceedings is submitted for the University Naval Training Division, The University of Western Ontario, for the period 1 May 1963 to 1 May 1964.

### End of Year Training Meeting

An end of year training meeting was held to review the year's work.

All reserve officers stated that they would be available for the 1964-65 training year if required.

The fall recruiting campaign was discussed and it was reported that plans had been formulated to carry out the major portion of the plan.

#### Appointments and Resignations

LCDR A. G. Holland RCN 0-33715 was appointed RSO.

Numerous personnel were utilized for typing services.

#### Events During the Summer

Verbal reports received from the cadets indicated that the summer was a satisfactory one.

Comments were of a constructive nature and mainly related to changes under way or since enacted.

Summer Training

Cadets took summer training at East and West Coast as in previous years.

#### Recruiting

A high number of enquiries and applications for the UNTD at the University of Western Ontario was received. Thirteen First Year Cadets were enrolled.

#### Promotions

Four cadets were promoted to commissioned rank Active List during the period of the report.

> Cadet G. W. Scott U-1111 Cadet R. C. Lindsay U-1108 Cadet W. R. Mackay U-1109 Cadet L. A. Wright U-1113

#### Releases

Two cadets were released from the UNTD, one because of failure at University and the second due to the cessation of his university studies.

#### Winter Training

The training schedule, as supplied by Commanding Officer Naval Divisions was followed closely until Christmas. At this time, on the announcement of the impending closure of HMCS PREVOST, training was moved to the campus of the University. The change in facilities, particularly the lack of drill space, made necessary a change in the planned schedule. All academic courses were completed satisfactorily but parade training was not performed at routine intervals.

Three new Regular Officer Cadets (ROTP) reported for training bringing to 8 the total RCN Cadets for training.

Ex-UNTD Training

Commissioned officers (Active List) serving with HMCS PREVOST were allocated duties as required by their program. SLT.HOMER, J.A., 0-33966 transferred to the UMSP, from the retired list, and was gainfully used first at HMCS PREVOST and later with the UNTD on cadet training duties.

# Special Parades and Ceremonies

All cadets and available officers participated in the University annual Remembrance Day Services held in Convocation Hall.

#### Social and Other Functions

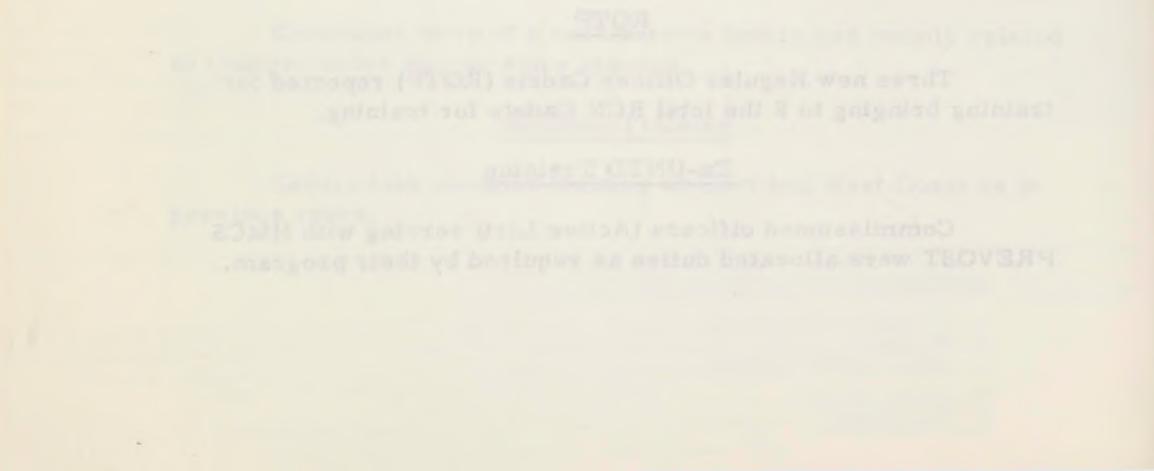
The Gunroom, until its early closure, was very active and events well attended. Special functions included the annual Tri-Service ball held on board HMCS PREVOST and the annual Cadet mess dinner held on board HMCS PREVOST.

# Public Relations

A group photograph was published in the student publication, "Occidentalia". As requested no press or television covering was arranged for at the annual inspection.

#### Morale

The morale of the cadets was high after their return from summer training. After the defence re-organization announced by the Minister of National Defence and the uncertainty as to their future there was a noticeable drop in morale, particularly amongst the younger cadets. However, it was felt that this was more a concern for their immediate future rather than a lack of interest in the service.



#### CANADIAN OFFICERS' TRAINING CORPS

# Report of the Commanding Officer LtCol JH Blackwell

This report covers the period 1 Sep 63 to 31 Aug 64.

The year 1963-64 was distinguished as far as the Contingent was concerned by the first effects of the new government defence policy. Recruiting was cut off in December before most contingents had completed enrollment procedures, and before some had even begun formal processing. As a result, 1st Phase intake was heavily reduced across the country.

Due largely to the efficiency of the RSOs, (Captain RK Tomlinson and Captain GS Kells), and orderly room clerk (Ssgt Jones, GE), The University of Western Ontario Contingent had managed to process the bulk of our applicants before recruiting was closed. Hence our 1st Phase strength, although reduced, is in better shape than might have been expected.

Our popular RSO in London, Captain RK Tomlinson, Ld SH (RC), has been posted to the RCAC School, Camp Borden, and we wish him all success in his subsequent military career. Always cheerful, and full of ideas, Captain Tomlinson has been a real asset to the Contingent in his three years with us. He has continued the administrative reorganisation begun by his predecessor, (Captain Neil Robertson, under the direction of LtCol Raymond), and with the able assistance of Ssgt Jones has produced a filing system and office procedure of Regular Army standard. He has been particularly effective in liaison with the Regular Army in the Area, both at Headquarters and at Home Station, Royal Canadian Regiment.

Enrolment and Contingent Strength

Recruiting difficulties of a special nature this year have been mentioned above. The statistics are as follows:-

40

21

Total applications (a)

Rejections (b)

1)	medical grounds	2	
2)	result of personnel		
	selection test	4	
3)	by University selection board	4	
4)	late applications	3	
5)	result of applications		
	withdrawn	7	
6)	other reasons	0	
То	tal enrolled		19

The total strength of the Contingent as of 31 May 64 was as follows:

(c)

	UWO	Waterloo	Windsor	Total
Contingent Officers	3	2	2	7
COTC	19	22	21	62
ROTP	5	7	7	19
MSP	6	- 1.3D -te 1.	Dur <sup>+</sup> populat	6

#### Theoretical Training

Theoretical training was carried out from 24 Sep 63 to 3 Apr 64. Each Detachment paraded one evening per week as follows:

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

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

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

The second "half" of the two-year programme of the new Theoretical Phase Training Standards was given for the first time. Amongst other topics introduced, Military Geography was restored to the syllabus after an absence of several years. At each location it was taught by a civilian expert and was well received by the personnel under training. At the present time we are, of course, uncertain about training standards for the coming year. We have hopes, however, that even in the event of large-scale administrative changes, our theoretical training will not alter radically. Our present standards are very close to those of the CANSERVCOLS which are, naturally, tri-service in nature.

## Unit Administration

On the administrative side, all issues are trivial compared with the major question, "What, if any, is the future of Army training at Canadian universities?" The only answers which seem clear at time of writing are that the changes will be drastic and they will be pointed in the direction of tri-service integration. It is to be hoped that in the period of flux before us the lessons of 1958-59 will be heeded and we shall not be left without, or with too little, Regular assistance.

One thing is certain. Distasteful though the probable loss of COTC identity would be, the military traditions of this University ensure that the loyal co-operation of all ranks of the Contingent during the changes will be automatic.

Obviously, the question of creating a separate Contingent at the University of Windsor, discussed in my last report, will have to be postponed until the whole COTC question has been resolved.

We have still not heard from Army Headquarters about our proposed new Contingent badge and again, we do not expect to until the situation becomes more stable. We understand, quite unofficially, that the design went forward from Army Headquarters for Royal approval before the reorganization was announced.

"Rusty Buckles", the Official March we share with 1st The Queen's Dragoon Guards of the British Army, was officially approved by an amendment to Canadian Army Orders dated 30 Sep 63. Although we have not yet marched-past to its strains, it has been played by the RCR Band at several Contingent functions.

## Special Events

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

21	Sep	63	Contingent Officers' Conference
16	Oct	63	London Detachment Smoker
4	Dec	63	Tri-Service Training Farade
			(Special Event - Presentation of "Billy Bud"
			Court-Martial by UNTD)
17	Jan	64	Tri-Service Ball - Windsor Detachment
28	Jan	64	Rifle Tournament against RMC at Western
8	Jan	64	COTC Ball - Waterloo Detachment
12	Feb	64	Tri-Service Training Parade
			(Special Lecturer - Major IW Hill, CD
			SSO - TAHQ London
21	Feb	64	Tri-Service Ball - London
22	Feb	64	Windsor Detachment Mess Dinner
20	Mar	64	Contingent Exercise and Mess Dinner
	to		(Western, Waterloo and Windsor Detachments)
22	Mar	64	

# Practical Phase Training

A total of 58 members of the Contingent (excluding ROTP and MSP) were despatched for summer training at schools and units of the Canadian Army (Regular).

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

TA 37	351 2Lt	CR Ahrens
TA 37	357 ''	DE Hamber
TA 37	300 "	AMH Laing
TA 37	302 "	P Nommik
<b>TA</b> 37	338 ''	RJ O'Callaghan
TA 37	304 ''	RM Scott
m A 07	222 11	

#### TA 37322 "WB Vernon

Attached Regular Fersonnel in Training

Attached for all purposesexcept payLondonWindsorWaterlooROTP577Ist year MSP1

Attached for all purposes except pay and training London Windsor Waterloo 2nd year MSP 5 Regular Officers on graduate studies 1

> 50th Anniversary of the University of Western Ontario Contingent COTC

In 1965 the Contingent celebrates its 50th Anniversary, it having been raised officially on 1 Jan 15.

Since the Contingent year is, in effect, the University year the events tentatively planned to honour the occasion will be in two distinct segments.

It is likely that there will be a special Contingent Mess Dinner in the Spring. In the Autumn a special Tri-Service Ball will probably be held and, finally, a Church Parade of all the University service units on the nearest Sunday to Remembrance Day.

The Adjutant, Captain Fulford, is the Chairman of a committee in charge of arrangements. Lieutenant Colonel Raymond represents Old Comrades on this Committee.

## Contingent Staff 1963-64

During the year, four of the Contingent staff were awarded the Canadian Forces Decoration (CD) and we offer them our heartiest congratulations. They were:

Major GFH Chess2 I/CMajor JM ClarkOC Waterloo DetachmentCapt JM Ryan2 I/C Waterloo DetachmentSsgt Jones, GE (CWAC)Orderly Room Clerk

For the period 15 Aug 64 - 1 Sep 65 the Commanding Officer will be on leave and Major GFH Chess, CD, will be acting Commanding Officer. To fill the temporary vacancy thus caused, authority has been received for the attachment from Supplementary Reserve in the acting rank of Captain, of Lt CF Whebell, RCAC. Captain Whebell is Associate Professor of Geography at the University of Western Ontario. We welcome him to the Contingent and hope he will find his stay with us a pleasant one.

#### Nominal Roll

#### Instructional and Administrative Staff

## (a) Contingent Officers

Commanding Officer Second-in-Command Adjutant OC Waterloo 2 1/C Waterloo

OC Windsor 2 I/C Windsor LtCol JH Blackwell Maj GFH Chess, CD Capt JA Fulford Maj JM Clark, CD Capt JM Ryan, CD

Maj PA Deneau Capt GA Mascaro COTC RCEME COTC COTC RCAMC (Non-med) COTC RCAC

#### (b) Attached

-

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

congratulations. They sare

Arapa 2M Clash SC Warrier Dealers and States and States

will be on lanve and Major Dill Chase, CD, will be adding Colleger,

# 105 UNIVERSITY SQUADRON (RCAF)

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

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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.

# Training Policy

The Squadron has attempted over the past year to provide a training program to best promote the following purposes:

> (a) To assist in the development of good citizenship in young men and women who may be expected to become leaders in the Canadian community of the future;

(b) To create in these individuals an awareness of the needs, problems and obligations of the service and an understanding of national defence policy and its rôle in foreign policy, and to provide reserve components with officers possessing both academic and military training for use in event of a national emergency;

(c) To introduce university students to service life, so that they may make an intelligent appraisal of the advantages of a permanent service career; (d) To generally strengthen the contact between the service and the universities. (It is undesirable that the education of officers should be entirely removed from the mainstream of higher education in our country).

Squad	dron St	rength		
	UWO London			versity of Vindsor
Into Contraction of the second second	Male	Female	Male	Female
Reserve Staff Officers URTP (O/Cs & P/Cs) ROTP RCAF Regular (Ex/Airmen) Regular Force Support	3 28 20 4 2 57		$     \begin{array}{c}       1 \\       6 \\       4     \end{array}   $ 11	1

Totals: 68 Male 1 Female

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

In addition, two Regular Force Officers have been enrolled in the Faculty of Medicine pursuing their M. D., and a Nursing Sister from the Regular Force has been enrolled in the one-year Diploma Course with the School of Nursing.

Recruiting

The Squadron 1963-64 recruiting quota for first year cadets was initially established at 16 male and 1 female undergraduates for UWO and the University of Windsor. As a result of a decision of the Minister of National Defence to reduce the cost of reserve training at the Universities by 50%, enrollments were "frozen" as of December 31, 1963 before recruiting was completed. Re-adjustment of quotas resulted in 105 Squadron eventually enrolling 8 male and 1 female cadets, six from UWO and three from the University of Windsor.

Under ROTP recruiting, 8 male applicants from UWO and two from the University of Windsor were accepted for first year.

# Winter Training

The winter training program for URTP and ROTP Officer Cadets was carried out on Wednesday evenings in the Engineering Science Building. Lectures by staff officers, faculty members and guest lecturers were given on RCAF History and Organization, Service Information, Military History, World Affairs, Sociology, Comparative Religion, Effective Speaking, Archaeology, Evolution, and the Balance of Nature.

Two Tri-Service parades and integrated lectures were again conducted with the COTC and UNTD at Wolseley Barracks and HMCS Prevost. Major IW Hill, CD, spoke on the Rôle of the Militia in National Defence at the first parade, and the Cadets of the UNTD re-enacted the classical trial of Billy Bud on the occasion of the second parade.

The senior cadets participated in the Remembrance Day Service. The Tri-Service Ball was held at HMCS Prevost on 24 January 1964 and the annual Squadron Mess Dinner was held at the Officers' Mess at RCAF Station Centralia on 13 March 1964. Mr. Hugh Bremner of London CFPL-TV and Radio was the guest of honour and speaker at the dinner.

The squadron was pleased to welcome the following visitors to UWO during the year:

> Group Captain JA Stephens, Senior Air Staff Officer, Training Command Headquarters, Winnipeg, Manitoba

Wing Commander WH Dray, Commanding Officer, 104 University Squadron, University of Toronto

Squadron Leader CE Keating, Officers Postings & Careers, Training Command Headquarters, Winnipeg, Manitoba

Major EBM Pinnington, Second-in-Command, The Royal Canadian Regiment, Wolseley Barracks, London, Ontario.

#### Summer Training

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All first year Cadets proceeded to the Reserve Officers' School at RCAF Station Centralia for basic training before being assigned to specialized training in various branches of the Service at RCAF Stations throughout Canada.

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

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

0/C	JG	Denys to 3 Fighter Wing, Germany
0/C	WT	MacKenzie to 1 Fighter Wing, France
0/C	FW	Riedl to 4 Fighter Wing, Germany
O/C	DE	Webb to 1 Fighter Wing, France

## Faculty Tours

The Squadron organized a tour of an RCAF unit for UWO Faculty members. Drs Balderston, Sanders, Sanborn, Chan, Warwick, Battenhouse, Davenport, and Professors Wild and MacKay were flown from Crumlin Airport on 17 January 1964 to RCAF Station Uplands as the guests of the Commanding Officer of the Station for the day.

The annual tour of Northern RCAF Units by the Air Officer Commanding Air Transport Command, in which UWO Faculty members have participated for many years, was cancelled last year due to economy measures which were imposed by the Government.

The following comprised the establishment of UWO 105 University Squadron for 1963-64:

> 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 University of Windsor - S/L W. G. Benedict Resident Staff Officer - F/L G. F. Loucks University Support Clerk - CPL R. G. Ingram

APPENDIX /

F/L GF Loucks effectively continued for the second year in the capacity of Resident Staff Officer (RCAF) and Armed Forces Co-ordinator for UWO.

It was a pleasure to welcome Cpl RG Ingram as Squadron Clerk who joined the Squadron in September from RCAF Station Penhold, Alberta. Cpl Ingram replaced Cpl JV Forestell (who was transferred to SHAPE Headquarters in Paris), and we have been fortunate in obtaining the services of such a capable and conscientious NCO who can continue to uphold the efficient administration which has been characteristic of the Squadron over the years.

I wish, once again, to make known my sincere appreciation to the Squadron Staff, Cadets, Faculty and Administration who have continued in their generous support of Squadron activities during the past year. This co-operation has contributed in no small way toward the training program which was offered and has been largely responsible for the successful year which was enjoyed by the Squadron. Such support is greatfully acknowledged.

I. R. Winter Lecturer, Department of Economics and Economic and Econo

Haad, Department of History

#### STAFF CHANGES

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# FACULTY OF ARTS AND SCIENCE

# Promotion

M. K. Inman

From Professor and Head, Department of Economics and Political Science, University College, to Dean, Faculty of Arts and Science, and Lecturer, Department of Economics and Sociology, University College.

#### UNIVERSITY COLLEGE

## Resignations

W. K. Ferguson	Resigned as Head, Department of History, but to continue as J. B. Smallman Professor of History.
A. H. Johnson	Resigned as Professor and Head, Department of Philosophy, to assume the position of Senior Professor, Department of Philosophy
Mrs. S. Milne	Lecturer, Department of Fhysical, Health and Recreation Education
W. J. Morris	Lecturer, Department of Economics and Sociology
W. H. Stockdale	Assistant Professor, Department of History

J. R. Winter

Lecturer, Department of Economics and Sociology

Leaves-of-Absence

Miss M. L. Dresser

Lecturer, Department of Physical, Health and Recreation

W. K. Ferguson

J. B. Smallman Memorial Professor and Head, Department of History - 163 -

## Leaves-of-Absence (continued)

M. J. Mamalakis

Assistant Professor, Department of Economics and Sociology

Promotiona (continued)

J. D. Talman

Associate Professor, Department of Pure and Applied Mathematics and Astronomy

H. van der Laan

Assistant Professor, Department of Pure and Applied Mathematics and Astronomy Mrs. E. Linapinen

# Return from Leave-of-Absence

G. L. Reuber Professor and Head, Department of Economics and Sociology

# Promotions

M. M. Ali

From Assistant Professor to Associate Professor, Department of Pure and Applied Mathematics and Astronomy

#### A. E. Beck

## J. H. Blackwell

From Associate Professor and Acting Head to Associate Professor and Head, Department of Geophysics

From Professor, Department of Pure and Applied Mathematics and Astronomy, and Hon. Lecturer, Department of Physics, to Senior Professor, Department of Pure and Applied Mathematics and Astronomy,

and Hon. Lecturer, Department of Physics

Miss A. Bode From Instructor to Lecturer, Department of Pure and Applied Mathematics and Astronomy

D. C. Bradley

From Professor to Senior Professor, Department of Chemistry

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AND ENDER

# Promotions (continued)

R. N. Bronaugh

C. M. Carmichael

Mrs. E. Chapman

W. R. Church

P. de Mayo

W. Denton

# From Lecturer to Assistant Professor, Department of Philosophy

From Assistant Professor, Department of Physics, and Lecturer, Department of Geophysics, to Associate Professor, Department of Physics, and Lecturer, Department of Geophysics

From Assistant Professor to Associate Professor, Department of Secretarial Science

From Lecturer to Assistant Professor, Department of Geology

From Professor to Senior Professor, Department of Chemistry

From Administrative Programmer to Instructor, etc., Department of Computer Science

From Lecturer to Assistant Professor, Department of Physical, Health and Recreation Education

From Assistant Professor to Associate Professor, Department of Physics

From Associate Professor to Professor, Department of Physics

R. B. Eynon

H. I. S. Ferguson

P. A. Fraser

D. R. Hay K. W. Hilborn W. C. Howell From Associate Professor to Professor, Department of Physics

From Lecturer to Assistant Professor, Department of History

From Assistant Professor and Administrative Assistant to Associate Professor and Administrative Assistant, Department of Chemistry

## Promotions (continued)

W. R. Jarmain

Miss D. F. Jones

From Research Associate to Research Associate and Lecturer (Part-Time), Department of Physics

From Instructor to Lecturer, Department of Romance Languages

From Assistant Professor to Associate Professor, Department of Pure and Applied Mathematics and Astronomy

From Lecturer to Assistant Professor, Department of English

From Professor and Head, Department of English, to Professor and Head, Department of English and Assistant Principal, University College

From Research Assistant to Assistant Professor, Department of Geophysics

From Lecturer to Assistant Professor, Department of Physics

From Professor to Senior Professor, Department of Physics

From Professor and Head, Department of Geology, to Professor and Head, Department of Geology and Assistant Principal, University College

I. MacDonald

C. N. Lee

M. H. M. MacKinnon

R. F. Mereu

R. C. Murty

R. W. Nicholls

G. H. Reavely

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romotions (continued)

From Professor to Professor and Head, Department of Economics and Sociology

From Assistant Professor to Associate Professor, Department of Philosophy

From Assistant Professor to Associate Professor, Department of English

G. L. Reuber

P. R. Robinson

C. E. Sanborn

# Promotions (continued)

J. B. Sanders	From Assistant Professor to Associate Professor, Department of Romance Languages
A. E. Scott	From Administrative Assistant to Assistant Professor, Department of Chemistry
A. V. Tucker	From Assistant Professor, Department of History, Middlesex College, to Associate Professor and Acting Head, Department of History, University College
E. H. Tull	From Assistant Professor to Associate Professor, Department of Physics
E. W. Warnhoff	From Assistant Professor to Associate Professor, Department of Chemistry
Mrs. M. E. Williams	From Lecturer to Assistant Professor, Department of Philosophy
Appointments	
A. R. Anderson	Assistant Professor, Department of German
R. W. Battenhouse	Senior Professor (Visiting), Department of English
D. Borwein	Professor, Department of Pure and Applied Mathematics and Astronomy

P. B. Cavers Lecturer, Department of Botany

Mrs. R. M. Dawson Lecturer (Part-Time), Department of Physical, Health and Recreation Education

E. J. Devereux Lecturer, Department of English

C. L. Murison

Lecturer, Department of Classics, and Lecturer, Department of History

# Appointments (Continued)

H. van der Laan

W. Walsh

Assistant Professor, Department of Pure D. R. Miller and Applied Mathematics and Astronomy D. R. Moorcroft Assistant Professor, Department of Physics C. D. MacInnes Lecturer, Department of Zoology L. Parai Lecturer, Department of Economics and Sociology Miss S. Paulson Lecturer, Department of Physical, Health and Recreation Education, and Assistant, Department of Athletics Miss J. Ramsay Instructor, Department of English J. R. Robinson Hon. Lecturer, Department of Chemistry Instructor, Department of English J. Stott Visiting Professor, Department of Romance P. Thody Languages Assistant Professor, Department of Classics H. B. Timothy

> Assistant Professor, Department of Pure and Applied Mathematics and Astronomy

Lecturer, Department of Economics and Sociology

R. L. Walters Assistant Professor, Department of Romance Languages
E. W. B. Ward Hon. Lecturer, Department of Botany
J. K. Watson Hon. Professor, Department of Chemistry

# MIDDLESEX COLLEGE

# Resignations

D. G. G. Kerr	Professor and Head, Department of History; to continue as Principal of Middlesex College
D. B. McKeen	Lecturer, Department of History
P. B. Waite	Professor, Department of History
Leaves-of-Absence	
W. Burghardt	Lecturer, Department of Romance Languages
C. F. Klinck	Senior Professor, Department of English, (Second Term)
J. Paul	Associate Professor, Department of Psychology
Return from Leave-of-Abse	ence
R. G. Woodman	Professor, Department of English
Promotions	
Mrs. M. V. Brizio	From Instructor to Lecturer, Department of Romance Languages
T. J. Casaubon	From Assistant Professor, Romance Languages, and Director, Trois-Pistoles Summer School,

J. W. Davis J. P. Denny L. Ignatieff to Associate Professor, Romance Languages, and Director, Trois-Pistoles Summer School

From Associate Professor and Head to Professor, Department of Philosophy

From Lecturer to Assistant Professor, Department of Psychology

From Professor to Professor and Head, Department of Russian Studies - 169 -

#### Promotions (continued)

C. F. Klinck

O. P. Langtvet

H. O. Lobb

L. Lozano

H. B. Mayo

Miss L. E. Neal

A. U. Paivio

P. C. Stratford

Mrs. E. Waterston

From Professor and Acting Head to Senior Professor, Department of English

From Assistant Professor to Associate Professor, Department of Geography

From Lecturer to Assistant Professor, Department of Psychology

From Instructor to Lecturer, Department of Romance Languages

From Professor and Acting Head to Senior Professor and Head, Department of Political Science

From Associate Professor, Department of Psychology, and Dean of Women, to Professor, Department of Psychology, and Dean of Women

From Assistant Professor to Associate Professor, Department of Psychology

From Assistant Professor to Associate Professor, Department of English

From Lecturer (Part-time), Department of English, University College, to Assistant Professor, Department of English, Middlesex College

F. H. Armstrong

R. E. Butts

C. Dean

Lecturer, Department of History

Professor and Acting Head, Department of Philosophy

Associate Professor and Acting Head, Department of English

# Appointments (continued)

M I Ectol	The stand stand Devision to a C English
M. J. Estok	Instructor, Department of English
B. B. Kymlicka	Lecturer, Department of Political Science
D. B. McKeen	Lecturer, Department of English
N. L. Nicholson	Senior Professor, Department of Geography
T. Ramos Orea	Assistant Professor, Department of Romance Languages
A. Roth	Lecturer, Department of Romance Languages
T. J. M. Ryan	Assistant Professor, Department of Psychology
C. A. Rudd	Lecturer, Department of History
V. W. Sim	Assistant Professor, Department of Geography
J. W. Simmens	Lecturer, Department of Geography
P. Waite	Senior Professor, Department of History
J. K. Walker	Lecturer, Department of Psychology
F. R. Wilkinson	Associate Professor, Department of Psychology
COLI	ECE OF MUSIC

COLLEGE OF MUSIC

#### Promotions

Miss A. Madill

From Instructor (Part-Time) to Lecturer (Part-Time)

Appointments

Miss M. MacLennan Lecturer (Part-Time)

#### FACULTY OF ENGINEERING SCIENCE

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Resignations		
L. D. MacDougall	Assistant Professor	
Leave-of-Absence		
W. H. Peacock	Lecturer	
Promotions		
J. K. Foreman	From Associate Professo	r to Professor
K. A. Upton	From Lecturer to Assista	ant Professor
Appointments		Ĩ
R. M. Quigley	Assistant Professor	
M. M. Young	Assistant Professor	
FAC	CULTY OF MEDICINE	
Resignations		
Mrs. P. Warnhoff	Instructor, Department o	f Biochemistry
Promotions		

Y. S. Brownstone

From Assistant Professor to Associate Professor, Department of Pathological

### Chemistry

E. Donisch

J. Hamilton

W. R. Inch

From Instructor to Lecturer, Department of Gross Anatomy

From Lecturer to Assistant Professor, Department of Pharmacology

From Honorary Lecturer to Assistant Professor, Department of Biophysics

# Promotions (continued)

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W. L. Magee	From Lecturer to Assistant Professor, Department of Biochemistry
G. W. Manning	From Associate Professor (Part-Time), Department of Medicine, and Honorary Lecturer, Department of Physiology, to Professor (Part-Time), Department of Medicine, and Honorary Lecturer, Department of Physiology
E. R. Plunkett	From Instructor, Department of Obstetrics and Gynaecology, and Assistant Professor, Department of Medical Research, to Associate Professor, Department of Obstetrics and Gynaecology, and Associate
	Professor, Department of Medical Research
J. J. Seguin	From Assistant Professor to Associate Professor, Department of Physiology
E. E. Trout	From Sr. Teaching Fellow to Instructor (Part-Time), Department of Paediatrics
J. E. Vincent	From Sr. Teaching Fellow to Instructor (Part-Time), Department of Paediatrics
Appointments	

J. R. Beaton

R. M. Boyce

Associate Professor, Department of Physiology

Instructor (Part-Time), Department of

PsychiatryJ. B. CoburnInstructor (Part-Time), Department of<br/>Preventive MedicineH. C. GalbraithInstructor (Part-Time), Department of<br/>PsychiatryP. MaxInstructor (Part-Time), Department of<br/>Psychiatry

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# Appointments (continued)

J. C. McLeish

H. Montgomery

A. G. Ramsay

R. R. Riese

J. Sales

J. Wyatt

Instructor (Part-Time) Department of Psychiatry

Assistant Professor, Department of Pathology

Assistant Professor, etc., Department of Pathological Chemistry

Instructor (Part-Time), Department of Psychiatry

Instructor (Part-Time), Department of Surgery

Instructor (Part-Time), Department of Surgery

#### SCHOOL OF BUSINESS ADMINISTRATION

Resignations

D. R. Ladd

J. G. Preston

Leaves-of-Absence

J. Graham

Professor

Lecturer

Assistant Professor

J. A. Humphrey Lecturer J. Kennedy Lecturer A. Mikalachki Lecturer J. Preston Lecturer Lecturer W. Weber

# Returns from Leave-of-Absence C. B. Johnston Assistant Professor M. Leenders Assistant Professor Promotions G. Day From Instructor to Lecturer M. Leenders From Lecturer to Assistant Professor D. S. R. Leighton From Associate Professor to Professor J. J. Wettlaufer From Professor and Associate Dean, School of Business Administration, to Dean, School of Business Administration From Assistant Professor to Associate A. R. Wood Professor From Instructor to Lecturer N. Yarmoshuk SCHOOL OF NURSING Return from Leave-of-Absence Miss E. N. Healey Lecturer

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#### Promotions

Miss A. E. Griffin

From Assistant Professor to Associate Professor

Mrs. J. A. Peitchinis From Lecturer to Assistant Professor

Appointment

Miss D. M. Hibbert

Associate Professor

#### FACULTY OF LAW

Dean

#### Retirement

The Honourable I. C. Rand

Resignations

R. S. Mackay

R. E. Scane

J.F.W. Weatherill

#### Appointments

J. D. Payne

J.F.W. Weatherill

Professor

Assistant Professor

Assistant Professor

Assistant Professor

Assistant Professor

#### TROIS-PISTOLES SUMMER SCHOOL

#### Promotions

W. Parisien

C. Theodore

From Senior Instructor (Part-Time) to Instructor and Co-ordinator of Methodology (Part-Time)

From Instructor (Part-Time) to Senior Instructor in English (Part-Time)

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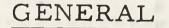
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Land College Land College College of College College of College Res

APP ENTIT



Appointment

M. Leenders

Warden, Medway Hall (also Assistant Professor, School of Business Administration)

- 176 - APPENDIX B

	FULL	-TIME	PART	-TIME	TOTA	L	
	Men	Women	Men	Women	Men	Women	
FACULTY OF ARTS AND SCIENC	CE						
Middlesex College (General)	561	426	3	5	564	431	
Middlesex College (Honors)	188	141	-	-	188	141	1324
University College (General)	894	480	33	20	927	500	
University College (Honors) The College of Music	345	121 47	H H S LOT	-	345	121	1893
The Correge of Music	29	1215	37	25	<u>30</u> 2054	<u>47</u> 1240	77 3294
	2017	1615			2034	1240	3294
Correspondence			246	180	246	180	
Extension			586	449	586	449	
Summer School			1077	601	1077	601	
			1909	1230	1909	1230	3139
Duplicates	• •		21	14	21	14	35
			1888	1216	1888	1216	3104
The Affiliated Colleges							
Huron College	357	160	4.	1	361	161	522
Brescia College	~	180	-	16	-	196	196
College of Christ the King	216	-	8	6	224	6	230
St. Peter's Seminary	64		3	-	67	Sec. 10.	67
	637	340	15	23	652	363	1015
TOTALS	2654	1555	1940	1264	4594	2819	7413
			TER STR			_	
OTHER FACULTIES AND SCHOO (undergraduate)	LS						
Business School	122	2	-	-	122	2	124
Engineering Faculty	237	2	7	-	244	2	246
Law Faculty	143 197	1 32		-	143 198	1 32	144 230
Medical Faculty Nursing School	197	193	TRACE IN	_	198	193	194
Nut sing School	-	1,3			•		* / *
UNDERGRADUATE TOTALS	3354	1785	1948	1264	5302	3049	8351
						,	
FACULTY OF GRADUATE STUD	IES						
Arts and Science	242	43	43	22	285	65	'350
Business Administration	221	1	1	1	222	2	224
Engineering	13	-	~	-	13	-	13
Madadaa	37	Q	3	-	40	9	49

# REGISTRATION - WHOLE UNIVERSITY, 1963-64

Medicine	37	9	3	-	40	9	49
Nursing	-	9	-	1	-	10	10
	513	62	47	24	560	86	646
UNIVERSITY REGISTRATIONS	3867	1847	1995	1288	5862	3135	8997 (net)

The overall net increase is 19.93% (M.C., U.C. and College of Music are up 18.6%), while the Affiliated Colleges are down 4.2%).

The proportion of men to women:

1963-64	65.16%	34.84%
1962-63	66.52%	33.48%
1961-62	67.26%	32.74%
1960-61	68.09%	31.91%

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#### APPENDIX C

# OCCUPATIONS OF STUDENTS' PARENTS

OCCUPATIONS*	Number of	Percentage of
	Students	Students
Agriculture	1224	13.6%
Business (unspecified)	418	4.6%
Construction	378	4.2%
Finance	584	6.5%
Fishing	5	. 1%
Labour (unspecified)	333	3.7%
Lumbering	33	. 4 %
Manufacturing	934	10.4%
Mining	123	1.4%
Service: Custom and Repair	319	3.5%
Domestic and Personal	170	1.9%
Professional:		
Education	403	4.5%
Engineering	193	2.1%
Health (Doctors, Dentists, Optom-		
etrists, Druggists and Laboratory		
Technicians)	521	5.8%
Law	141	1.6%
Religion	158	1.8%
Miscellaneous:		
Artists and Musicians	37	. 4%
Entertainment	29	. 3%
Publications	107	1.2%
Social Science	27	. 3%
Public Service:		
Municipal, Provincial, Federal.	416	4.6%
Trade	1121	12.5%
Transportation and Communications	380	4.2%
Retired	208	2.3%
Deceased (former occupation not given)	325	3.6%
Unreported	403	4.4%
Unemployed	7	. 1%
methneten , D.C.		

8997 100.0%

\*These are the categories used by the Dominion Bureau of Statistics

#### WINNERS OF ONTARIO SCHOLARSHIPS

The following students have been awarded Ontario Scholarships of \$400.00 each on the basis of an average of at least 80% on eight Grade XIII papers. They enrolled in this University in September in the Faculty, School, or College indicated.

> Code: U.C. - University College; M.C. - Middlesex College Eng. - Faculty of Engineering Science C.K.C. - Christ the King College

Name of Student	Home Address	Enrolled In
Adams, Catherine	Grand Bend	Brescia
Arnold, Brian J.	London	M. C.
Arntfield, David G.	London	U. C.
Babe, Robert E.	Oshawa	U. C.
Becker, Lorne A.	St. Mary's	U. C.
Begg, Ian M.	Chatham	U. C.
Birnbaum, Robert J.	Guelph	U.C.
Bostwick, Wilda	Wheatley	U.C.
Boulet, Margaret J.	Guelph	Huron
Box, Stephen J.	London	Eng.
Brown, Virginia E.	London	U. C.
Cauchi, Mario M.	London	U. C.
Charbonneau, Susan	Islington	U. C.
Clouston, John	London	M. C.
Conn, George W.	Lucknow	M. C.
Connolly, Monica A.	Oshawa	U. C.
Coultes, Murray	Wingham	Eng.
Cronk, Carolyn B.	Cooksville	U. C.
Dawson, Diane M.	Windsor	U. C.
Declerck, Patsy A.	Wheatley	M. C.
Disher, Maureen E.	Dunnville	U. C.

Donohue, Patrick J. Faggiani, Romolo Ferguson, Donald S. Flanagan, Patrick F. Giesbrecht, Constance A. St. Catharines Goble, D. Glen Gray, William Peter Heathers, Susan E. Henderson, Patricia V. Hennessy, Donna D. Henry, David G.

Sarnia Burlington Willowdale Port Lambton Belmont Sudbury Wiarton Aurora Haileybury St. Catharines St. Peter's U. C. M. C. C.K.C. M. C. U. C. U. C. Huron U.C. U. C. U. C.

Name of Student	Home Address	Enrolled In
Hicks, James C.	London	U.C.
Hill, Meredith A.	Islington	Huron
Hofstee, Jacob	St. Thomas	U.C.
*Hollands, Kathryn Jean	Sarnia	Nursing
Houghton, Monica M.	Toronto	M. C.
Inch, Janet L.	Woodstock	M. C.
Ineson, Pamela E.	Barrie	M. C.
Ingrey, Dale J.	London	M. C.
Jeffrey, Larry M.	Mt. Elgin	Eng.
Killoran, M. Maureen	Waubaushene	M. C.
Jones, John W.	London	Eng.
Katzman, Ivan H.	Windsor	M. C.
Kempling, J. Christopher	London	Eng.
Koop, V. Gary	Virgil	U. C.
Larkin, Mary W.	Barrie	U. C.
Lawrence, Elizabeth	Milton	U.C.
Lemon, J. Ross	London	U.C.
MacBain, Constance M.	Sarnia	U.C.
McLean, Sally J.	Oakville	U. C.
McPherson, James G.	St. George	M. C.
*MacRae, Jacquelyn	Corunna	U.C.
Mahon, John D.	Windsor	U. C.
Mansell, Sandra E.	London	M. C.
Meaden, Ruth A.	Leamington	U.C.
Moore, John W.	London	Eng.
Moore, Stephen B.	London	U. C.
Moriyama, Margaret J.	London	M. C.
Murdock, Mary L.	Toronto	M. C.
Nightingale, Donald V.	St. Catharines	M. C.
Ogletree, Joyce M.	Chatham	M. C.
Oudman, Marsha	Alvinston	U. C.
Padmos, Margaret	Windsor	U.C.

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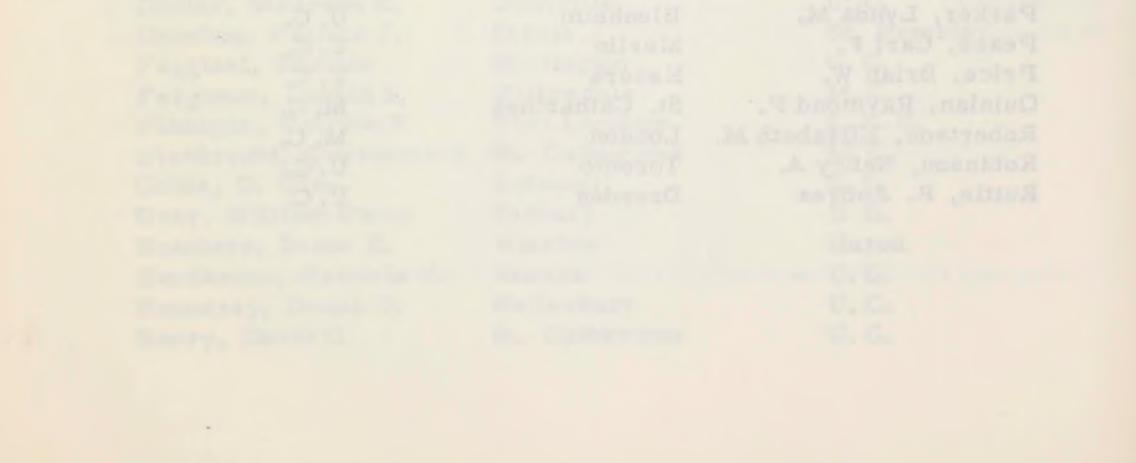
Padmos, Margaret Parker, Lynda M. Pease, Carl F. Price, Brian W. Quinlan, Raymond P. Robertson, Elizabeth M. Robinson, Nancy A. Ruttle, R. Andrea

Windsor U. C. U. C. Blenheim Merlin U. C. Kenora U. C. St. Catharines M. C. M. C. London Toronto U. C. Dresden U. C.

Name of Student	Home Address	Enrolled In
Sage, Jennifer M.	London	M. C.
Scheifele, David W.	Waterloo	U.C.
Scott, Gerald L.	St. Mary's	U.C.
Sheldrick, Catherine	London	M. C.
Shier, Jane	Toronto	M. C.
Shill, Ronald H.	London	Eng.
Sills, Susan A.	London	M. C.
Simon, Sharyn L.	Sudbury	M. C.
Sinclair, Joseph O.	London	U.C.
Snyder, H. Wayne	Chatham	U.C.
Speak, Rosemary	Woodstock	M. C.
Spearman, Diane E.	Oil Springs	M. C.
Spears, Wendy A.	Burlington	U. C.
Stevens, Danielle A.	Sault Ste. Marie	U. C.
Teal, Patricia	Fort Erie	U. C.
Verstraete, Bert C.	Wallaceburg	M. C.
Von Hochstetter, Arthur	London	U. C.
Walker, Rosemary L.	London	U. C.
Weese, Robert D.	Dresden	U. C.
Weir, Joan B.	Sault Ste. Marie	U. C.
Whiting, Celia A.	Kincardine	U. C.
Wilson, Hope V.	Ingersoll	Brescia
Wilson, M. Judith	London	U. C.
Winkler, Ursula H.	Windsor	M. C.
Zuliani, Preston	Thorold	U. C.

\* Deferred from 1960-61

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#### THE DEAN'S HONOURS LIST

The following is a list of undergraduate students with first class honours working toward a first degree in each Faculty. Extension and Summer School students are not included.

The Faculty of Arts and Science

#### Brescia College

Campbell, Sister St. Fergus Golden, Sister M. Scholastica

College of Christ the King

Fitzpatrick, Michael J.

#### Huron College

Ainslie, Mary Ann Boulet, Margaret J. Danks, Herbert E. Feheley, Sylvia L. Heathers, Susan E.

#### Middlesex College

\*Anderson, Joan Kathleen Arnold, Brian James Ash, Judith Marilyn Beattie, Dianne Bezaire, Sara Elizabeth Broy, Patricia V. \*Clouston, John Samuel Coone, Diana Louisa Declerck, Patsy Ann DeZwart, Tanny Elson, Mrs. H.E. Gow, Tyrone T. T. Hamilton, Bonnie J. Hoogkamp, Grace Hughes, John E. Laframboise, Sister Mary Constance Vincec, Sister M. Stephanie

Hill, Meredith A. Jago, Charles J. McLaughlin, Hugh W. Meier, Niklaus Rudolf Robertson, Peter D. W.

Katzman, Ivan H. Laidlaw, Patricia E. Langston, Lorraine S. Lawson, Ruth Lindores, Douglas P. Lockwood, Patricia A.

McEwing, Wayne Mansell, Sandra E. Meadows, Gary A. Medd, Eileen E. Melus, Mary H. Nightingale, Donald V. Ogletree, Joyce M. O'Malley, Maureen P. Peterson, Herbert

#### Middlesex College (continued)

Pittaway, Barbara Price, Nancy E. Richardson, Robin M. Richmond, Ian M. Robertson, Elizabeth M. Robinson, Malcolm S. Rose, Courtice G. Sage, Jennifer M. Sheahan, Judith M. Short, Brock K. Sheldrick, Catherine L. Shier, M. Jane

#### St. Peter's Seminary

Donohue, Patrick James Hughes, Michael Joseph

#### University College

Allan, Thomas L. Becker, Lorne A. Bennett, Brian S. Bignell, Richard C. Bilyk, Walter Blackshaw, Sharon Bostwick, Wilda Bradley, Douglas L. Briggs, Michael A. Brouwer, Henry Brown, William R. Burrows, Robert F. Callaghan, James O. \*Callaghan, Nancy L. Carpenter, Donna Cauchi, Mario M. Chambers, Wilfrid D. Charlton, John S. Churchman, Anthony C. Clark, Peter A. Cleland, Douglas

Shirley, Robert D. Simon, Sharyn L. Swales, Shonnie Thomas, Frederick C. Verstraete, Bert C. Waldron, Ian Willis, Robert Wilson, Joseph H. Wilson, Joseph H. Wilson, Lois Winkler, Ursula Yake, Elizabeth E. M. Zimmer, Bruce

Shaughnessy, John David

Cochrane, William A. Connolly, Monica A. Cronk, Carolyn B. Dawson, Diane M. DeBoer, Gerrit Donald, Ian R. \*Donnelly, Keith E. \*Dreimanis, Aija Durnford, Margaret J. Eade, Sandra K. Fallona, Sheila A. Ferguson, Anne Marie Fysh, Jean S. Given, Janet Grattan, Patricia Hamill, Doris E. Henderson, Patricia V. Hennessy, Donna D. Henning, Elizabeth M. \*Henry, David G. Hewitt, Gerald

#### University College (continued)

Hick, Barbara J. Hicks, James C. Hierlihy, Ralph D. Hornby, David B. Hughes, Gerald M. Ivor, Margaret J. Jaaku, Andres Johnson, Ruth M. Klassen, Judy G. Kocsis, Geza W. Koop, Victor Gary Kreek, Holger Legge, Jocelyn T. Lockyer, Margaret A. Logan, Thomas A. Luinstra, Edward A. MacBain, Constance M. McClure, Robert D. MacDonald, Margaret C. McGaw, L. E. McKenzie, James E. McSpadden, Dennis A. Mahon, John Mantz, Brenda-Lynn Martin, Peter J. Mead, Ernest R. \*Melnyk, Theodor W. Mennill, Paul D. Merritt, Richard D.

Moore, Stephen B. Neave, Kendal G. Noakes, David L. G. Page, J. Stewart, Perrie, Donald J. \*Ralph, Edward D. Rau, Manfred E. Robinson, Shirley A. Ruttle, Rhoda A. Sarjeant, Walter J. Scheifele, David W. \*Smet, Eddy F. M. Sourwine, Dianna Joyce Spicer, Carol Lee Squire, Richard A. A. Stubble, Barbara A. Sulyma, Terrence J. D. Tackaberry, M. Elizabeth \*Tull, Eric Van Zamden, William Walker, Rosemany L. Watts, Harold R. Weaver, James G. Webb, Gerald Weese, Robert D. \*Whiting, Gordon R. Wither, Glen S. Wootten, Christopher E. \*Zuliani, Preston

The School of Business Administration

(on recommendation of the Dean)

Cronkwright, Jack Farrell, David Fryer, Brian McGorman, John Vollmershausen, Dennis Westaway, James - 184 -

#### The Faculty of Engineering Science

Aitkin, Gordon S. Bates, Paul V. Beattie, Jay Bishop, Dennis J. Box, Stephen Burrill, Kenneth A. Butler, Richard C. Cox, Bernard Grace, John R. Harvey, Kenneth P. Huber, William A.

#### The Faculty of Law

(on recommendation of the Dean)

Atkey, Ronald J. Bean, D. Michael Bellamy, Peter C. Deacon, G. Michael Dillon, Joseph M. Hamilton, William C. Hinnegan, Kenneth A.

#### The Faculty of Medicine

Austin, Thomas W. Clark, David A. \*DeJonge, Christina Douglas, Bruce J. Doyle, Sally Dreimanis, Mara Edmonds, Merrill W. Edwards, Dale Virginia Ferguson, Gary G. Gibson, Gary A. Girvan, David P. Hiscox, James L. Hollands, Raymond H. Jackson, William B. Jeffery, Larry M. Kempling, J. Christopher Ledingham, David G. McGovern, David L. \*McPhail, Robert E. Ola, Samuel A. Parish, Hugh W. Richardson, William J. Robinson, Terrence S. Shill, Ronald H. Woloshyn, Stephen

Jenkins, Donald W. Lawson, J. Douglas Lewis, James E. Morrison, Robert I. Shuster, Milan R. Walden, J. Philip

Johnston, James G. Knill, Richard L. Love, Robert R. Millman, William L. Mundy, Harcourt B. Newell, Joseph P. Novak, Emilie Rowed, David W. Sharpe, James A Smith, Susan E. Wigle, Donald T. Wilensky, Alan J. Willis, N. Roderick

\* indicates an average of at least 85%

		TABLE 1 - SUMMARY	Y OF STUDENT FIN	TABLE 1 - SUMMARY OF STUDENT FINANCIAL AID, 1963-64	
	No. of Awards	No. of Students Assisted	Value of Aid \$	Average Amount Per Student Assisted	Numbe Full- Stude
Undergraduate	2,107	1,533	773,535.	505.	4,16
Graduate	599	- 480	574,485.	1,197.	64
Grand Total	2,706	2,013	1,348,020.	669.	4,80
and the set	14 31				

	Awards	Assisted		\$	Assisted		Full-tíme Students	Body Assisted
Undergraduate	2,107	1,533	7:	773,535.	505.		4,160	36.8%
Graduate	599	- 480	5	574,485.	1,197.		647	74.27.
Grand Total	2,706	2,013	1,34	1,348,020.	669.		4,807	41.8%
And And And								
well-the	TABLE 2 - A	ASSISTANCE FOR F BURSARIES	FIRST YEAR ST	STUDENTS RELATIVE	TO ALL CHOLARSH	UNDERGRADUATE A	ASSISTANCE	LOANS
No. in Course	No. Assisted	Percentage Assisted	Amount \$	No. Assisted	Percentage Assisted	Amount \$	No. Assisted	Percentage Assisted
744 G.P. II	197	26 .5%	472.	62	11.2%	528.	64	. 8_6%
185 G.P. I	33	17.8%	403.	30	16.2%	463.	12	
168 Pre-Business	38 I 20	11.9%	483.	ч	2.9%	380.	20	6 . 0%
172 Pre-Medicine	1e I 38	22.1%	489.	17	9.9%	651.	13	6.0% 11.9%
70 Pre-Nursing	3 7	10.0%	361.	4	4.3%	333.	1	6.0% 11.9% 7.5%
	22	24.7%	473.	11	12.3%	436.		6.0% 11.9% 7.5%
	(ear   317	22.27	432.	129	%0.6	10.1	10	6.0% 11.9% 7.5% -
4160 All Under- graduates	812	19.5%	366.	268	6_4%	491.	10 119	6.0% 11.9% 7.5% - 11.2%
Graduat         Grand T         fn         fn	599 2,706 2,706 No. Assisted 197 197 20 38 38 38 38 317 317 812	480 ,013 ,013 ,013 FOR FOR FOR FOR FOR FOR FOR FOR FOR FOR	1, <u>YEAR</u> \$ nount \$ 403. 483. 483. 483. 473. 473. 473.	8 9 1 4 7 5 0 2 8 0	1,197. 669. 70 ALL CHOLARSH Percenta Assiste 11.27 16.27 16.27 12.37 12.37 12.37 6.47		647 4,807 4,807 No. Assisted 64 12 13	74.27, 41.87, 41.87, Fercentage Assisted

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MEN AND WOMEN STUDENTS

		BURSARIES	SIES			SCHOLARSHI PS	SA IHSS			LOANS	NS	
	Percentage of Men Assisted	Average Amount \$ (Men)	Percentage of Women Assisted	Average Amount \$ (Women)	Percentage of Men Assisted	Average Amount \$ (Men)	Percentage of Women Assisted	Average Amount \$ (Women)	Percentage of Men Assisted	Average Amount \$ (Men)	Percentage of Women Assisted	Average Amount \$ (Women)
Gen. Arts (incl. G.P. II)	162	383.	187	414.	2.37.	488.	4.77.	522.	13.67	406.	8.1%	403.
H.A. (2,3 & 4)	17.87	283.	30 . 87.	261.	26.6	435.	16.52	333.	21.87	400.	14.7%	323.
Hon. Science	22.57	316.	21.37	316.	5.4%	407.	29.87	528.	10.17	385.	8.5%	262.
Pre-Business	10.77	452.	*	*	2.67	373.	ł	*	11.27	369.	4	*
Pre-Medicine	19.42	367.	30.57	438.	5.37	747.	15.27	343.	9.37	423.	10.97.	500.
Pre-Nursing	*	*	107	361.	*	*	4.37	333.	4	*	4	18
Total Arts & Science	177	349.	212	367.	4.9%	469.	9.1%	445.	14.47.	400.	26	378.
Eng. Science	23.27	348.	*	*	8.97.	575.	*	*	15.97.	416.	-14	*
Lav	27.1%	209.	ł	*	22	166.	*	*	39.57	481.	*	*
Medicine	24.37	282.	16.17	444.	4.5%	.904	19.67	295.	19.87	398.	12.97.	400.
Nursing	*	#	20.37	719.	*	*	6.87	515.	*	*	4	-tr
Total Undergraduate	197.	332.	207	426.	57	482.	22	447.	167	413.	28	391.
Graduates	5.27.	290.	ţ.	+	5.2%	1,211.	+	4	11.97.	421.	*	*
Total	16.87.	329.	19.37.	426.	5.27.	633.	8.77	450.	15.87	423.	7.7%	391.
* figure insignificent.	ignificant.			=								1 73

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TABLE 4	
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MEN AND WOMEN	
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RELATIVE TO LOAN AID	
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th ANS	f Amount borrowed for each free \$ \$	1.11	1.10	. 60	*	187	1.54	1.13	.71	2.70	1.68	1.53	1.83	14.1	1.07
In receipt of both BURSARIES AND LOANS	Amount of Loans \$	4,960.	3,000.	1,200.	*	I ,550.	1,900.	3,420.	960.	2,850.	5,000.	6,240.	1,315.	5,200.	1,550.
In r BURS	Amount of Bursaries \$	4,450.	3,250.	2,000.	*	805.	1,235.	3,020.	1,345.	1,060.	3,085.	4,070.	720.	3,680.	1,450.
	Number	12 (8%)	8 (3.1%)	4 (3.3%)	1 (2.9%)	4 (1.8%)	5 (2.6%)	10 (5.6%)	4 (3.8%)	6 (2.6%)	13 (5.7%)	17 (9.6%)	4 (5.6%)	13 (7.2%)	4 (8.1%)
pt of S ONLY	Amount Ş	39,700.	45,600.	9,150.	1,900.	3,235.	4,315.	6,250.	7,220.	3,625.	2,360.	6,505.	3,915.	6,190.	3,335.
In receipt BURSARIES (	Number	87 (24.1%)	90 (23.5%)	22 (14.5%)	6 (17.6%)	14 (6.4%)	14 (7.3%)	25 (14.3%)	28 (27%)	15 (5%)	17 (7.3%)	22 (12.5%)	18 (25%)	18 (10%)	11 (22.4%)

In receipt LOANS ONLY \* figure insignificant 41 (13.7%) 28 (12.8%) 18 (10.3%) 20 (11.3%) 38 (21.1%) 6 (12.3%) 11 (5.7%) 9 (8.7%) 13 (5.7%) 15 (3.1%) 5 (3.3%) 2 (5.9%) 6 (8.3%) 39 (8%) Number G.P. II - WOMEN G.P. I - WOMEN P.A. 2 - WOMEN H.A. 3 - WOMEN H.A. 2 - WOMEN P.A. 3 - WOMEN - WOMEN G.P. II - MEN - MEN - MEN G.P. I - MEN - MEN H.A. 4 - MEN P.A. 3 - MEN P.A. 2 H.A. 3 H.A. 4 H.A. 2 

TABLE 5 - FINANCIAL AID 1963-64

.

# DETAILED SUMMARY

							- 188	3 -									
DTALS	Amount \$	242,505.	152,273.	58,493.	26,213.	49,610.	3,530.	532,624.	61,810.	36,420.	72,905.	69,776.	773,535.	38,743.	535,742.	574,485.	1,348,020.
(Bracketed figures are from the 1962-63 report) CHOLARSHIPS GRANTS FELLOWSHIPS, ETC, LOANS GRAND TOTALS	No. of Students Assisted	498	360	125	53	87	7	1130	109	71	111	112	1533	51	429	480	2013
	Amount \$	74,885.	57,090. (55,420.)	12,600.	9,695.	11,390.)	- (-)	165,660. (123,290.)	15,820. (12,670.)	27,400.	17,900.	2,500.	229,280. (193,105.)	21,170. (14,825.)	15,450.	36,620.	265,900. (217,180.)
	No. of Students Assisted	185 (152)	149 (131)	34 (13)	26 (13)	28 (13)	- (-)	420 (303)	38 (28)	57 (44)	43 (53)	3 (14)	561 (458)	44 (35)	33	77 (57)	638 (515)
	Amount \$	650.	7,288.	765 .	500.	1	1	9,203.	3,500.	250.	19,507.	2,350.	34,810.	5,948.	455,238.	461,186.	495,996.
	No. of Students Assisted	2	13	1	1	ı	ï	17	5	1	15	ş	45	21	280	417	345
	Amount Ş	18,930. (15,650.)	4,830.	6,763. (4,095.)	2,508. (3,750.)	3,565. (2,700.)	- (-)	36,596. (32,420.)	11,655. (12,670)	150. (375.)	12,203.	27,186. (40,147.)	87,790. (89,416.)	1,500.	22,839.	24,339. (3,435.)	112,129. (92,851.)
	No. of Students Assisted	34 (26)	15 (21)	12 (16)	4 (5)	7 (3)	- (-)	72 (62)	20 (15)	1 (3)	21 (11)	57 (75)	171 (165)	3 (11)	17	20 (13)	194 (179)
	Amount \$	34,320.	35,365.	13,900.	2,665	11,365	1,000.	98,615.	11,700.	500.	7,235.	6,690.	124,740.	7,740.	34,730.	42,470.	167,210.
(Bracketed SCHOLARSHIPS	No. of Students Assisted	67	06	30	7	19	e	216	21	e	15	13	268	13	21	34	302
IES	Amount \$	113,720. (83,680.)	47,700. (51,165.)	24,465. (28,720.)	10,845.	23,290. (23,315.)	2,530. (1,300.)	222,550. (196,265.)	19,135. (14,250.)	8,120. (6,400.)	16,060. (22,780.)	31,050. (2,545.)	296,915. (242,240.)	2,385. (6,210.)	7,485	9,870. (12,900.)	306,785. (255,140.)
BURSARIES	No. of Students Assisted	285 (213)	174 (162)	77 (64)	24 (19)	58 (50)	7 (3)	625 (511)	55 (42)	39 (29)	49 (70)	39 (7)	812 (655)	14 (20)	20	34 (39)	846 (698)
		General Arts including G.P.I	Hon. Arts 2, 3 & 4	Hon. Science	Pre-Business	Pre-Medicine	Pre-Nursing	Total Arts & Science	Engineering Science	Law	Medicine	Nursing	Total Undergraduate	M.B.A.	Other Graduates	Total Graduates	GRAND TOTALS
	No. in Course	1683 (1520)	756 (553)	345 (372)	231 (165)	272 (195)	70 (15)	3357 (2820)	239 (207)	144 (123)	228 (232)	192 (231)	4160 (3613)	218 (215)	429	647 (471)	4807 (4084)

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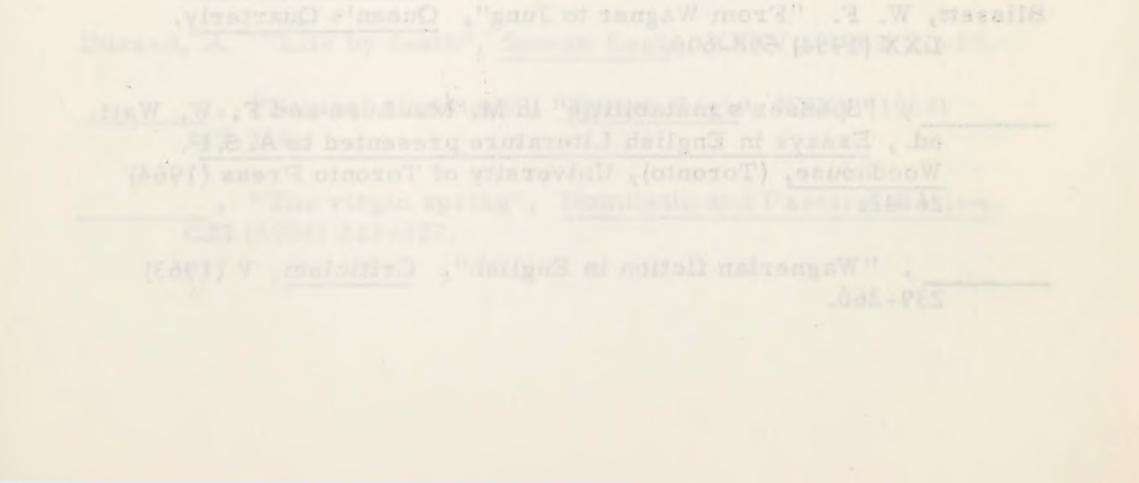
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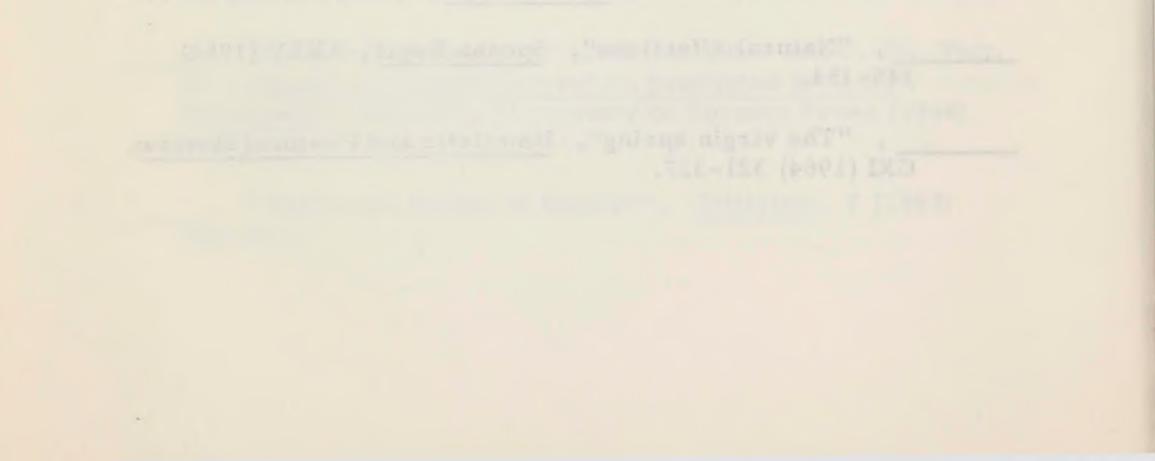
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# SCHEDULE OF RESEARCH FUNDS

FOR THE YEAR ENDED JUNE 30, 1964

# FACULTY OF MEDICINE

Name of Grantor	Name of Grantee	Description of Project
Sundry Donors	J. H. Toogood	Allergy Research
HI.	W. E. G. A. Spoerel	Research re Anaesthesia
Ass'n for Aid of Crippled Children	Carol Buck	Relation between prenatal and natal complications & the occurrence of neuro- psychiatric disorders in children
J.P.Bickell Fdn.	C. W. Gowdey	Central effects of clinically-used muscle relaxants
Burroughs-Wellcome Co.	C. W. Gowdey	Medical Research
Ont. Junior Red Cross	R.J. Rossiter	Research professorship in biochemistry relating to mental retardation
Cancer Research Fund	J.B. Collip	Cancer Research

Dr. J. B. Collip Trust J. B. Collip Fund

Canada Duphar Limited C. W. Gowdey

Medical Research

Studies in Blood Clotting

Ont. Cancer Treatment E. R. Plunkett & Research Foundation A study of the role of chemotherapy in gynaecological malignancy

Name of Grantor

#### Name of Grantee

Ont. Cancer Treatment & Research Foundation

E.R. Plunkett & K.K. Carroll

Ont. Cancer Treatment Carol Buck & Research Foundation

Ont. Cancer Treatment E.R. Plunkett & Research Foundation

National Cancer Institute

11

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R.C. Buck

R.J.Rossiter

A.C. Wallace

V. Donish

Y.S. Brownstone

K.K. Carroll

J. Purko

#### Description of Project

Clinical and laboratory studies of tumours influenced by variation in their steroid hormonal environment

Study of the role of psychological factors in the course and prognosis of human cancer

Investigation of the endocrine aspects of cancer in humans

The ultra structure of tumour cells

Medical Research

Medical Research

Fellowship

Medical Research

Medical Research

Fellowship

11 11 11 H.B. Stewart

Medical Research

D.H. Cormack

Fellowship

For the purchase of equipment

A.C. Wallace

H.B. Stewart

For the purchase of equipment

11

Name of Grantor

Defence Research Board

Name of Grantee

- 237 -

Y.S. Brownstone

C. W. Gowdey

C. W. Gowdey

A.C. Burton

A.C. Burton

G. W. Manning

R.G.E.Murray

K.K. Carroll DCD

Description of Project

The use of short chain ribosides as blood preservatives

Studies in decompression aeroembolism

Physiological mechanisms involved in the oxygen paradox

Changes in muscle after cold acclimatization

Metabolic reactions to dietary temperature and traumatic stresses

Salivary secretion as index of tension-fatigue

Cardiovascular research

Equipment Grant

Equipment Grant

Sarah Duncan Estate

Medical Research Council

11

11

11

11

J.A.F.Stevenson

11	R.C. Buck	Equipment Grant
R. W. Frost, Esq.	G. E. Hall	Medical Research
Medical Research Council	O.H. Warwick	Medical Research Fellowship
Anna Fuller Fund	K. Hoshino	Cancer Research
Medical Research Council	P.C. Fitz-James	Medical Research Associateship

# FACULTY OF MEDICE

Name of Grantor	Name of Grantee	Description of Project
F. W. Horner Ltd.	C.W. Gowdey	A study of troxonium tosylate
Dept. of National Health & Welfare	G.E. Hobbs	Chronicity in schizophrenia
11	J.A.F. Stevenson	An investigation of perinatal physiology and mortality
TT	G.H. Valentine	Chromosomal patterns in parents
11	R.A.H. Kinch	Perinatal mortality study
	G. E. Hobbs	Post-graduate training in psychiatry
	N. M. Lefcoe	Bronchial disease
11	I.B.R. Duncan	Biological properties of ECHO Type 30 virus
11	J.C. Rathbun	Fluorescent antibody technique
11	R.A.H. Kinch	Study of the unwed mother

A. Bakerspigel

G. W. Manning

Mycotic infections

Clinical cardiovascular studies

Ontario Heart Foundation G. W. Manning

Cardiovascular research

11

11

11

G.A. Sears

Cardiovascular research

Name of Grantor	Name of Grantee	Description of Project
Ontario Heart Fdn.	N.M. Lefcoe	Capital equipment grant
11	F. S. Brien	Medical research fellowships
11	A.M. Lansing	Cardiovascular research
21	A.C. Burton	Spread of heart sounds
11	K.K. Carroll	Medical research
11	A.C. Burton	Medical research
11	G. W. Manning	Cardiovascular research
11	G. W. Manning	Medical research associateship
H	J. C. Coles	Cardiovascular research
11	A.H. Neufeld	Heart research
11	G.W. Manning	Clinical cardiovascular studies
	G. W. Manning	Clinical cardiovascular studies
11	A.C. Burton	Spread of heart sounds

Mrs. W.F. Herman & O. H. Warwick Mr. W. L. Clark

Dept. of National Health & Welfare E.R. Plunkett

Medical research fellowship

Endocrine abnormalities in mentally retarded patients

11

G. E. Hobbs

Neuropsychiatric consequences in children

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### FACULTY OF MEDICINE

Name of Grantor	Name of Grantee	Description of Project
Dept. of National Health & Welfare	W.C. McMurray	Metabolic disorders
Joseph P. Kennedy Jr. Foundation	M. L. Barr	Mental retardation
Lady Jean Lister Kay	F. S. Brien	Medical research
Can. Life Ins. Officers' Association	J.C. Rathbun	Fellowship - Dr. L. L. de Veber
Life Insurance Medical Research Fund	A.C. Burton	The biophysics of blood cells
Labatt Duphar Ltd.	C. W. Gowdey	Studies on monoamin- oxidase inhibiting compounds
American Cyanamid Company	O.H. Warwick	Lederle Medical Student Research Fellowship
F.K. Morrow Fdn.	G. E. Hobbs	The relation of population changes to health and disease
Sundry Donors	G. W. Manning	Dept. of Medicine cardiovascular research
J. McClary Memorial Fund	G. E. Hobbs	Research in Industrial Medicine

Mead Johnson of<br/>Canada Ltd.H. H. AllenObstetrical Research<br/>FundEstate of the late<br/>Elizabeth MooreO. H. WarwickCardiovascular researchThe D. H. McDermid<br/>Memorial FundM. L. BarrMedical Research

Name of Grantor

Name of Grantee

Estate of the late Bessie Mayne

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O. H. Warwick

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The Muscular Dystrophy K.P. Strickland Ass'n of Canada

> J. J. Seguin J. J. Seguin

K. K. Carroll

Wm. S. Merrill Company

C. W. Gowdey

Description of Project

Cardiovascular research

Morphological and chemical changes in myasthenia-like conditions

Fellowship for research

Studies of the excitability and contractility of the decentralized neuromuscular system

Medical Research

Metabolism of Myelin

Experimental and clinical studies with long-chain monounsaturated fatty. acids in relationship to multiple sclerosis

The investigation of a new compound for suppression of lactation

National Multiple Sclerosis Society

outcome of echipo

H. C. Soltan

R. J. Rossiter

Wm. S. Merrill Company

R.A.H. Kinch

The investigation of a new compound for suppression of lactation

Fellowship re research J. Sweeney Dr. A. D. McLachlin A.M. Lansing 11 Fellowship re research

#### FACULTY OF MELICINE

Name of Grantor	Name of Grantee	Description of Project
Dr. A. D. McLachlin	J. C. Coles	Research in vascular surgery
.11	T. D. McLarty	Fellowship re research
11	George DeYoung	Fellowship re research
11	E. Meads	Fellowship re research
11	L. Amacher	Fellowship
Ontario Mental Health Foundation	C.W. Gowdey	Effects on animal behaviour of blood from schizophrenic patients
11	W.C. McMurray	Investigation of citrullinuria
		Mathemal Mailtighte
H	G. E. Hobbs	A prospective study of the factors influencing the
		outcome of schizophrenia
	G.H. Valentine & Carol Buck	A study of microsymptoms and of chromosomal patterns in parents of sibs of mongols

For the support of medical research

Medical Research Council

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O.H. Warwick

O.H. Warwick

A.von Hochstetter

Summer scholarships

The functional structure of connective tissue

R.M. McFarlane

The blood supply of pedicle flaps

P.C. Fitz-James

Macromolecular synthesis in Bacillus species

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#### EACULTY OF MILDICIME

Name of Grantor	Name of Grantee	Description of Project
Medical Research Council	H.B. Stewart	Cytological organization and metabolism of yeast
	H. A. Skinner	Anatomy and radiology of the spinal cord
	K.P. Strickland	The biosynthesis of phospholipids
	E.G.D. Murray	Viability of sealed culture of bacteria
National Research Council	J. B. Collip	For bacteriological research
Medical Research Council	G.W. Stavraky	Responses of partially isolated structures to chemical, reflex and electric stimulation
	A.C. Burton	Energetics of vascular smooth muscle
11	A.H. Neufeld	Metabolic changes in disease with emphasis on proteins

R.G.E. Murray

M. L. Barr

M. L. Barr

General and cytological studies of bacteria,

fungi and related matter

Studies in human genetics

Cytogenics and sex anomalies

K.P. Strickland

Medical research associateship

#### FAGULTY OF MEDICINE

Name of Grantor	Name of Grantee	Description of Project
Medical Research Council	J.B. Collip	Consolidated grant for medical research
mana in a spin a series of the	R.J. Rossiter	Biochemistry of the nervous system
	R.C. Buck	An electron microscopic study of the membranes of mammalian cells in
		mitosis
11	A. G. Ramsay	The influence of parathyroid
	quillad . E . L	hormone and respiratory alkalosis on ionic excretion
	J.A.F. Stevenson	The role of the nervous and endocrine systems in the regulation of energy, water and electrolyte exchange
		and the set of the set of the set of the
	J.T. Hamilton	Closer study of the synaptic blockade produced by new
		and by commonly-used agents
11	D C Danda	Costra intestinal studies
	D. C. Bondy	Gastro-intestinal studies
and you have the same		The second second second second

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Studies with alphaglyceryl ethers

W.C. McMurray

C. W. Gowdey

M. L. Barr

W. E. Spoerel

Biochemical investigations of the developing nervous system

The effect of anaesthesia on the tolerance of the brain to ischemia and anoxia

#### FACHLEY OF MEDICENE

Name of Grantor	Name of Grantee	Description of Project
Medical Research Council	J. R. Beaton	Medical research associateship
n afanfite yn de bryndinal	K. K. Carroll	Medical research associateship
11	J. R. Beaton	Metabolic and endocrine regulation of nutritional state
	K. K. Carroll	Chromotographic analysis of complex lipids
	E.W.K.F. Donisch	The structure of the inter- vertebral disc $L_4 - L_5$ in the newborn
	J. J. Seguin	The role of the proprio- ceptor mechanism in shivering
Poulenc Limited	C. W. Gowdey	Medical Research
Sundry Donors	J.A.F. Stevenson	Miscellaneous Research in physiology
Dept. of Health, Education & Welfare	A. C. Burton	Biophysics of circulating blood cells

R.A.H. Kinch

R.A.H. Kinch

Ortho Pharmaceutical E. R. Plunkett Limited

(U.S.)

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Research in the field of infertility and gynaecological endocrinology

Ortho progestin study

To investigate the possible hypertensive effect of progestational steroids

# EACULTT OF MEDICINE

Name of Grantor	Name of Grantee	Description of Project
No officer and the second		Medical Rannards
Richard Ivey Foundation	C.G. Drake	Hyperbaric unit
National Science Fdn.	J.A.F. Stevenson	Influence of hypothalamus on growth and development
Smith, Kline & French Laboratories	C. W. Gowdey	Studies on the common cold
Nat. Sanitarium Assn.	J. H. Toogood	A study of the elastic properties of the bronchi
Col. J. E. Smallman	A. D. McLachlin	J.E. Smallman urological research
The Tippett Foundation	D. Bocking	Foreign medical aid
John Wyeth & Bro. (Canada) Ltd.	O. H. Warwick	Medical research - special
The Henry Wolf		
Memorial Fund	G. W. Manning	Cardiovascular research
Medical Research		Consolidated advance
Council		account
		Education & Weilar

FACULTY OF ARTS AND SCIENCE

Chemical research Abbott Laboratories P. de Mayo Ltd.

American Chemical P. de Mayo Society

Chemical Research

Dept. of Agriculture -A. W. A. Brown Canada

Genetics of insecticide resistance in the onion maggot

Name of Grantor	Name of Grantee	Description of Project
American Chemical Society	J. B. Stothers	Organic applications of nuclear magnetic reso- nance spectroscopy
	J. F. King	Sulphenes and oxythiones
J.P. Bickell Fdn.	G.H. Reavely	Equipment grant
11	A.E. Beck	Equipment grant
Can Uranium Research Fdn.	D.C. Bradley	Research on uranium calalysts for the stereo- specific polymerization of olefins
Canada Packers Ltd.	P. de Mayo	Chemical research
Imperial Oil Ltd.	F.L.M. Pattison	Chemical research
En no qui l'qui availla 2	P. de Mayo	Chemical research
Canada Council	H. C. Palmer	Special fellowship
Defence Research Board	R.W. Nicholls	To investigate the properties of plasmas
11	C.J. Willis	Studies on the synthesis and properties of perfluoro-

#### J.W. Lorimer

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A. W. A. Brown

P. A. Forsyth

Thermal diffusion in ionselective membranes

Factors in attractiveness of objects to adult <u>Aedes</u> Aegypti

V.H.F. radio wave scattering in the ionosphere

alkyl silicones

Name of Grantor	Name of Grantee	Description of Project
Defence Research Board	D. R. Hay	Physics of the tropos- phere as related to U.H.F. radio transmission
11	G. F. Lyon	Ionospheric studies using satellites
In an and a second seco	D.C. Bradley	The chemistry of water repellant compounds
11	J. F. Hart	Minimax approximation theory
**	P. de Mayo	Photochemical reactions of organo-fluoro compounds
Dow Chemical of Canada Ltd.	F.L.M. Pattison	Chemical research
Constant of the cost of the	J.B. Stothers	Fellowship expenses
11	D.C. Bradley	Chemical research
Dupont of Canada Ltd.	F.L.M. Fattison	Chemical research
Defence Research Board	A. J. Sukava	The cathodic deposition of zinc
IT	R.J. Uffen	Shock wave propagation

#### Northern Electric Co. Ltd.

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D.R. Hay

Study of microwave radar angels through elevated instrument soundings

C.J. Hickman

R. W. Nicholls

Equipment grant

through solids

Equipment grant

Name of Grantor	Name of Grantee	Description of Project
Ontario Fuel Board	J. F. Hart	Study of the use of infor- mation processing methods in the search for oil and gas in Ontario
Dept. National Health & Welfare	M. S. Yuhaz	The telemetered heart rate during interval training in swimming
National Research Council	R. W. Nicholls	Expenses re Dr. D.C. Tyte's Fellowship
	P. de Mayo	Expenses re Dr. Hikino's fellowship
sealding and the seal and	A.W.A. Brown	Expenses re Dr. P. Roessler's fellowship
H Brudy of Cana,da Ge	G.H. Reavely	Expenses re Dr. T. N. Clifford's fellowship
Dept. of Mines and Technical Surveys - Canada	R.W. Packer	Repose slopes of pleistocene material in Southwestern Ontario
Dept. of Mines and Technical Surveys - Canada	C.G. Winder	Microfauna of Kettle Point and Port Lambton Shales, Ontario

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R.J. Uffen

R. J. Uffen

G.H. Reavely

Geophysical prospecting methods

Dynamic high pressure studies of rocks

Detrital minerals in palaeozic and precambrian rocks in Ontario

Name of Grantor	Name of Grantee	Description of Project
Dept. of Mines & Techr Surveys - Canada	nical A. E. Beck	Re seismic observatory
11	A. Dreimanis	Geological research
11	W.R. Church	Geological research
11	A.E. Beck	Underground flow of water, Coronation Mine,
		Manitoba
11	J. R. Kramer	Salina Niagaran rocks of Southwestern Ontario
"	C. G. Winder	Carbonate elasticity, dolomitization and insoluble residues, middle ordo- vician limestones
Thomas S. Knight	C.D. MacInnes	Study of Canada Geese in the arctic
John Labatt Ltd.	C.J. Hickman	Botany research fund
London T.V. Cable Service	D. R. Hay	Antenna study
The Eli Lilly Co.	P. de Mayo	Research on natural

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Department of Labour S.G. Peitchinis (Federal)

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The impact of the changing structure of the labour force on labour's share of the national income

products

W. E. Mann

An investigation of the drop-out ratio from the Federal Government's retraining program for unemployed workers

Name of Grantor	Name of Grantee	Description of Project
John Labatt Ltd.	G. R. Reavely	Lake Erie research
Mobiloil of Canada Ltd.	R. J. Uffen	Geophysics research
Ontario Mental Health Fdn.	W.J. McClelland	Infantile emotionality and later behaviour; a study of learned fear
National Research Council	P. A. Fraser	Theoretical studies in atomic collisions
of plant padicagen	J.B. Stothers	Studies in nuclear magnetic resonance spectroscopy
Variation in the second	J.F. King	The reductive elimina- tion reaction
fluorine "compoun	D. M. Graham	Photochemical studies involving olefins
Emanade co Dr.		
11 (swolls)	T.K.R. Bournes	Host-parasite relation- ships of trematodes in
		Ontario
II and the House R	P. de Mayo	Studies in natural products
11	D.C. Bradley	Studies in inorganic

#### H. I. Battle

W. H. Wehlau

Embryonic responses of teleosts to selected protein and RNA inhibitors

chemistry

Photometric and spectroscopic studies of peculiar A stars

Name of Grantor	Name of Grantee	Description of Project
National Research Council	N.R. Kunchur	Crystallographic studies of organic and organo- metalic compounds
		metane compounds
11	A.J. Sukava	Study of cathode overpoten-
	being and a set of the	tial and the effects of surface-active additives during electro-deposition of copper
11	C.J. Hickman	Biological and taxonomic studies of fungi, especially
		of plant pathogens
T T	D. M. Scott	Variation in the songs of the cardinal
TT	F.L.M. Pattison	Pharmacologically-active fluorine compounds
II	C.J. Hickman	Expenses re Dr. Brandham' fellowship
11	J.F. Hart	Minimax approximation in more than one variable
		Studies in second still
Strengthere in the second	D. B. McMillan	Studies in comparative histology

Biochemical studies of

W.C. Howell

F. S. Cook

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carbohydrates

The chemistry of some aromatic and quinonoid systems

H.W. Baldwin

A study of the kinetic isotope effect on halogenation of CR (NH<sub>3</sub>)

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#### FACULTY OF ARTS AND SCIENCE

Name of Grantor	Name of Grantee	Description of Froject
National Research Council	J.F. Hart	Computing facilities
	W. E. McKeen	Plant disease investi- gations
	D. R. Hay	Eddy diffusion above outdoor surfaces
	R.K.C. Chan	Investigation of the dielectric properties of tetracyanaethylene-aromatic hydrocarbon complexes
	A. W. A. Brown	Resistance of insects to organophosphoras insecticides
11	E. Brannen	Millimeter radiation and physics research with a racetrack microtron
	J.H. Blackwell	Hydromagnetic and diffusion theory boundry value problem
malqiti buomen 21	R. W. Nicholls	Studies in laboratory astrophysics
	J. A. Fulford	Controlled atmospheric

studies in microwave spectroscopy

Terrestrial heat flow

A study of the male gametophyte of Zea Mays L

Investigation of the synthesis and reactions of perfluoroalkyl derivatives of elements of groups III and IV

A. E. Beck

D.B. Walden

C.J. Willis

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Name of Grantor	Name of Grantee	Description of Project
National Research Council	D.R. Bidinosti	Determination of pro- ducts from and energetics of gas-solid reactions at high temperatures
11	J.W. Lorimer	Transport processes in ion-selective membranes
Ħ	P.A. Forsyth	Radio physics of the high atmosphere
It	C. N. Lee	Topology of Banach manifolds
11	A. E. Beck	Measurement of terres- tial heat fl <b>o</b> w
FT	H.I.S. Ferguson	Ion beam spectroscopy of gases and solids
11	P. A. Forsyth	Rocket measurements of ionospheric structure
FT	W. W. Judd	Comparative morphology of internal and anatomy of muscoid Diptera
8.8	M. H. A. Keenleyside	The reproductive behaviour

E.W. Warnhoff

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A. M. Wellman

Chemical investigation of the constituents of Ocotillo

of some Ontario fishes

Preservation of fungus cultures at cryogenic temperatures

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# FACULTY OF ARTS AND SCIENCE

Name of Grantor	Name of Grantee	Description of Project
National Research Council	H. O. Lobb	Effects of duration of nonrewarded goal confinement of behaviour
11	C.D. MacInnes	A quantitative investigation of the ecology of Canada geese nesting near mouth of the McConnell River, N. W. T.
11	T.W.W. Stewart	Investigation of the physical basis of pitch perception
11	G. G. Winder	Carbonate elasticity, colomitization and insoluble residues of middle Ardovician limestones
11	C. M. Carmichael	Rock magnetism
FT	J. P. Denny	The relation of attributes, values and instances to concept formation strategies and the concept formed
	J. F. Mereu	Seismic modelling
j t	A. Paivio	Mediating factors in associative verbal learning

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J.B. Phipps

J. D. Talman

Evolution of genera in Arundinelleae

# Energy levels of the rotational band of NE<sup>20</sup>

#### R. J. Uffen

Geophysical investigations

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#### FACULTY OF ARTS AND SCIENCE

Name of Grantor	Name of Grantee	Description of Project
National Research Council	T. J. Ulrych	Isotope geophysics
11	A. D. Edgar	Hydrothermal investi- gations in melilite and related undersaturated minerals
11	P. B. Cavers	The biology of weeds
11	R. G. Kidd	Nature of the metal-ligand bond in coordination complexes of transition metals
11	R.W. Nicholls	A rocket nose-cone
	R. W. INICHOIIS	vacuum spectrograph
11	J. R. Kramer	Analysis of liquid inclusions in minerals
11	G. R. Magee	Postdoctorate fellowship Dr. G. W. Goes
11	C. M. Carmichael	Rock magnetism
11	R. J. Uffen	Geophysical investigations
11	G. M. Boone	Hydrothermal investigation
11	R. H. Stinson	Physiology of temperature

IIIR. H. StinsonPhysiology of temperature<br/>selection in small mammalsIIIJ. F. HartGrant re computer science<br/>conferenceIIIW. E. McKeenSpecial grant for equipmentIIIE. BrannenSpecial grant for equipment

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# FACULTY OF ARTS AND SCIENCE

Name of Grantor	Name of Grantee	Description of Research
National Research Council	F. L. M. Pattison	Special grant for equipment
Sundry Donors	E. H. Tull	Solid state physics research
Dept. Psychology Research Fund	Mary Wright	Research in psychology
Paint Research Institute	D. C. Bradley	Studies in the metal alkoxide and related fields
Public Health Services (U.S.)	P. de Mayo	The constitution of Griseoviridin
11	A.W.A. Brown	Studies on the insecti- cide resistance of mosquitoes
Dept. of Health Edu- cation & Welfare (U.S.)	E. W. Warnhoff	Hypotensive principals of ceanothus species
Public Health Services (U.S.)	P. de Mayo	Metabolites of H. Sativum
Polymer Corp'n Ltd.	F. L. M. Pattison	Chemical research
Polymer Corp'n Ltd. Pennsalt Chemicals Corporation	F. L. M. Pattison D. McLarty	Chemical research Cladophora research

Ontario ResearchE. G. PlevaSpecial awayFoundationtravelling

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G. G. Suffel

Special award to cover travelling expenses of Mr. Chad Day

Nature and origin of certain sedimentary banded iron formation of Ontario

#### R. K. C. Chan

Dielectric properties of the compounds exhibiting molecular rotations in the solid state

Name of Grantor	Name of Grantee	Description & Project
Ontario Research Foundation	H. I. Battle	Comparative cytological and histological effects of the lampricide
11	D. G. Wilson	An investigation of the organic acids in succulent plants
11	W. W. Judd	Study of the population of non-emerging insects of Redmond's Pond in Byron Bog
11	D. A. McLarty	Studies of the growth and control of Cladophora under laboratory conditions
TT	H. W. Baldwin	A study of oxide formation on metal surfaces
T	E. Brannen	Research on the electron beam characteristics of a racetrack microtron
11	D. M. Graham	Autoxidation studies
11	W. C. Howell	The chemistry of certain a.b-unsaturated Ketones
11	D. M. Scott	Biology of the cardinal

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#### F. S. Cook

R. W. Nicholls

A study of extension and cambial growth in deciduous tree species

An identification Atlas of molecular spectra

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# FACULTY OF ARTS AND SCIENCE

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Name of Grantor	Name of Grantee	Description of Project
Ontario Research Foundation	J. F. King	Spectroscopy and molecular structure of poly-atomic molecules
	C. J. Willis	Studies on the decom- position and possible synthetic use of alkyl- perfluoralkyl tin compounds
11	W.H. Wehlau	A study of very low dispersion objective prism spectra
11	J.B. Stothers	An application of Carbon- 13 nuclear magnetic resonance spectroscopy to reaction mechanism studies
11	A. Dreimanis	Relationship of lithologic and granulometric com- position of till to bedrock
11	J. R. Kramer	Carbon dioxide, etc. measurements in Lake Erie
11	T.K.R. Bourns	Host-parasite relations

of members of the genus Cuterebra

#### D. B. McMillan

A histochemical study of developmental stages of the plasmacyte

#### R. H. Stinson

The effect of humidity upon the activity of small mammals

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# FACULTY OF ARTS AND SCIENCE

Name of Grantor	Name of Grantee	Description of Project
Ontario Research Foundation	J. F. Hart	A study of real-time strategy models with applications in business, engineering and govern- ment
11	D. R. Bidinosti	The determination of metal to metal bond energies in manganese and rhenium carbonyls
T	W. R. Church	Structural analysis of the Whitefish Falls area, Ontario
11	A. D. Edgar	High temperature phase relations in the system NaAISiO-4 etc.
11	M.H.A. Keenleyside	Interrelations between young Atlantic salmon and brook trout
11	C.J. Hickman	Aquatic phycomycetes of freshwaters including fungus parasites of freshwater algae
11	G. S. Rose	Construction of a high voltage capacitor bank

for the generation of plasmoids

Organic chemistry

Research in inorganic chemistry

J. F. King

Research Corporation D.C. Bradley

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Name of Grantor	Name of Grantee	Description of Project
Research Corporation	J. F. King	The mechanism of reductive elimination
Resources for the Future, Inc.	R. J. Wonnacott	The effects of Free
		Trade on the Structure of Industry in Canada and the U.S.
Stauffer Chemical Company	D.C. Bradley	Research in Chemistry
National Aeronautics & Space Administration	R. W. Nicholls	Theoretical and experimental studies in astrophysics
Schering Corporation Ltd.	P. de Mayo	Research in chemistry
Alfred P. Sloan Foundation	E. W. Warnhoff	Research fellowship in chemistry
J. B. Smallman Memorial Research Fund	M. K. Inman	Research in humanities and social sciences
Canadian National Sportsmen's Fund	D. McLarty	To promote algae studies

U.S. Air Force Office R. W. Nicholls of Scientific Research

# U.S. Office of Naval D. C. Bradley Research

Gas scintillations from ionizing radiations

Research on compounds containing transition metals bonded to sulfur selenium or tellurium

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#### FACULTY OF ARTS AND SCIENCE

Name of Grantor	Name of Grantee	Description of Project
U.S. Office of Naval Research	R. W. Nicholls	To investigate the excited molecular species arising in various light sources
U.S. Air Force Office of Scientific Research	P. de Mayo	Photochemical p <b>ro-</b> duction of strained systems
11	D. C. Bradley	Research on organo- metallic compounds and polymers
U.S. Office of Naval Research	G. S. Rose	Atmospheric physics research
U.S. Air Force Office of Scientific Research	D. R. Hay	Investigation of refracto- meter measurements in the atmosphere
U. S. Army Research	P. de Mayo	The photochemistry of unsaturated systems containing hetero atoms other than oxygen
U.S. Air Force Office of Scientific Research	E. Brannen	Millimeter E-M radia- tion produced by high energy electron beams

Studies of processes of

excitation and radiation from atoms and molecules of the upper atmosphere

#### U.S. Office of Naval Research

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#### J. F. Hart

R. W. Nicholls

Research on minimax approximation

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# FACULTY OF ARTS AND SCIENCE

Name of Grantor	Name of Grantee	Description of Project
U.S. Air Force Office of Scientific Research	D. R. Hay	Investigation of dual cavity refractometer measurements at high
		relative humidities
	D.C. Bradley	Research on organo- metallic compounds and
		polymers based on metal nitrogen bond systems
11	D.C. Bradley	Research on developing of synthesis of new metallo-organic compounds
"	R. W. Nicholls	The study of electronic structure, band intensi- ties and modes of exci- tation of molecular species
World Health Organization	A. W. A. Brown	Investigations of the insecticide-resistance problem
National Research	4	
Council		Consolidated advance account

Multiple trematode infection

Western Ontario

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The University of

in snails

Research in ethics: freedom and moral responsibility

#### A.B. Conron

T.K.R. Bourns

R. N. Bronaugh

Research in Canadian novelists

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#### FACULTY OF ARTS AND SCIENCE

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Name of Grantor	Name of Grantee	Description of Project
The University of Western Ontario	R. J. Uffen	Publication of research papers on various topics
I I	W. R. Church	Structural petrology
11	W. R. Church	Geological field work
11	H. Berry	The Life and Writings of Sir John Suckling
TT	A.E. Edgar	High pressure- temperature petrology
11	R.A. Johnston	The discount rate in Canada
11	W.J. Morris	Analysis of integra- tionist attitude of Caradoc Indian Reservation
11	J.J. Madden	Canadian banks and the financing of North American investments 1853-1885
11	J.A. McIntyre	Effectiveness of senior officers' course in public administration
**	J.R. Winter	Municipal water supply

W. E. Mann

W. D. Walsh

for Southern Ontario

Effectiveness of White Cross Centre

Impact of new techniques on the Pennsylvania iron industry 1850-1870

Name of Grantor	Name of Grantee	Description of Project
The University of Western Ontario	J. Arrowsmith	Protection and market structure
11	L. Parai	Tariff protection and economic development in Canada
11	K. Duncan	Academic performance, group membership and self-identification
	R.J. Wonnacott & G.L. Reuber	Resources for the future
	G.L. Reuber	Canadian monetary policy
	D. Borwein	Investigation of strongly summable series and integrals
11	B.D. Hill	Catholicism and the State
	W.H. Wehlau	A study of globular clusters
11	P.D. Fleck	A study of Shelley and

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A study of Shelley and Mary Shelley's Frankenstein

J.B. Sanders

The influence of La Blanche Reine upon Pierre de Ronsard

Research into French-Canadian philosophy

Infantile fear conditioning

The population geography of Southern Ontario

S.G. French

W.J. McClelland

C.F.J. Whebell

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tentie Burgerten

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Name of Grantor	Name of Grantee	Description of Project
The University of Western Ontario	G.A. Wilson	History of The Canada Company
11	G. Rans	Edgar Allen Poe - A Monograph
11	I. Block	Aristotle
П	J.W. Davis	Berkeley - A Monograph
11	R. N. Kelson	The private member of parliament and the for- mation of public policy
II	P. Stratford	Faith and fiction: a comparative study of François Mauriac and Graham Greene
no entrana all'armente		
11	T. J. Ryan	Motivational properties of non-reward
11	M.M. Schnore	Memory for visual patterns - recall vs. recognition
11	A. Paivio	Research on verbal learning

Personality and ability

#### H.O. Lobb

R. C. Gardner

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factors in verbal style

The effect of nonrewarded confinement on simultaneous discrimination learning

#### R.C. Overton

Special transportation issue Business History Review.

Name of Grantor

The University of Western Ontario

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Name of Grantee

T.J. Ryan & R.C. Gardner

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J. Simmons

F. H. Armstrong

R. N. Shervill

H. B. Mayo

R. E. Butts

B. B. Kymlicka

G. Rans

Description of Project

Programme development

Changing relationship between villages, towns and cities in Western Ontario

The History of Toronto, 1834-41

Siglo de Oro Old Testament Drama

Theories of local government in Canada

Whewell's Papers

Edgar Allen Poe

The establishment and development of national committees in Czechoslovakia

MUSEUMS

Province of Ontario

W. Jury

W. Jury

Archaeological research

Province of Ontario, Dept. of Tourism and Information Fort Ste. Marie I Project

#### SCHOOL OF BUSINESS ADMINISTRATION

Bell Telephone Co. W. A. Thompson Business research of Canada

# SCHOOL OF BUSINESS ADMINISTRATION

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Name of Grantor	Name of Grantee	Description of Project
Ontario Economic Council	J. R. Nininger	Employment patterns survey at the Lakehead
Maubank Associates Limited	J.J. Wettlaufer	Food Distribution Research
The Ford Foundation	J.J. Wettlaufer	Business Research
Sundry Donors	J. J. Wettlaufer	Business Research
Sundry Donors	J. J. Wettlaufer	Business Research
Sundry Donors	J. J. Wettlaufer	Business Research
SCHOOL OF NURSING		
W. K. Kellogg Foundation	R. C. Aiken	To support the develop- ment in nursing service administration
School of Nursing Council	R.C. Aiken	School of Nursing Research Fund
FACULTY OF ENGINEERING SCIENCE		
J.P. Bickell Foundation	R. M. Dillon	Engineering education
The University of Western Ontario	R.M. Dillon	Special research fund

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J.E.K. Foreman

E.S. Nowak

Combustion spectroscopy

Investigation of specific heat and enthalpy differences

#### J. L. Kearns

Heat transfer studies

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#### FACULTY OF ENGINEERING SCIENCE

Name of Grantor	Name of Grantee	Description of Project
The University of Western Ontario	G. S. Emmerson	Heat transfer studies
11	K.A. Upton	Structural research
11	J.E.K. Foreman	Studies in inferential metering
H	W. Bulani	Polarography of fused salts
11	E.S. Nowak	Heat flow and fluid flow
11	M. M. Young	Chemical engineering
11	A.T. Olson	Dynamic buckling in beams
11	A.G. Davenport	The investigation of snow drift formation on structures of various shapes
National Research Council	A. G. Davenport	Special grant for equipment
11	E. S. Nowak	Special grant for equipment
	T T Versere	Decemple in main and

Dept. of Mines & Technical Surveys

Ontario Dept. of Health

J.L. Kearns

J. L. Kearns

Research in mineral processing

Air pollution control

Estate of the late Edna E. Jeffery

R. M. Dillon

Engineering science research

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#### FACULTY OF ENGINEERING SCIENCE

Name of Grantor	Name of Grantee	Description of Project
National Research Council	A.G. Davenport	Investigation into pro- perties of atmospheric turbulence
F T	K.A. Upton	A theoretical study of the response of framed structures to dynamic loading
11	W. Bulani	A study of electro- chemical cells and
		systems
1 T	L.G. Soderman	Laboratory study on pore fluid pressure distribution during con- solidation testing of remolded clay soils
11	E.S. Nowak	A study of the inter- relationship and the behaviour of the thermal properties of solids
11	J.E.K. Foreman	Fluid dynamic model studies of blood flow and artery delation
11	R.M. Quigley	Influence of soil fabric

on the engineering properties of glacial clay deposits

and clay mineralogy

Interfacial phenomena in disperse systems

#### J.E.K. Foreman

M.M. Young

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Fluid dynamic model studies of blood flow and artery dilatation

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# FACULTY OF ENGINEERING SCIENCE

Name of Grantor	Name of Grantee	Description of Project
Atlas Steels Ltd.	R. M. Dillon	Physical metallurgy research fund
Ass'n Professional Engineers of Ontario, London Chapter	R. M. Dillon	Engineering science research
Anonymous	R.M. Dillon	Research for engineering science
John Labatt Limited	R.M. Dillon	Engineering science research
Ontario Research Foundation	E. S. Nowak	Analysis of turbulent velocity and termperature profiles in liquids and gases at subcritical and supercritical pressures
Ontario Research Foundation	J.E.K. Foreman	Fluid dynamic studies of blood flow and artery dilatation
Ontario Research Foundation MISCELLANEOUS	M. M. Young	Drop and bubble phenomena
National Research	G. E. Hall	Scientific research -

Council

special