

**REPORT  
OF THE PRESIDENT  
AND VICE-CHANCELLOR**

**TO THE BOARD OF GOVERNORS  
AND THE SENATE**

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**for the Academic Year  
ended June 30, 1969**

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**The University of Western Ontario  
London, Canada**

"SUCH IS THE SPEED OF CHANGE,  
AND THE PRESS OF EVENTS  
THAT IT IS EASY TO FORGET . . ."

*from The President's Report, 1969  
by D. Carlton Williams, Ph.D., LL.D.  
President and Vice-Chancellor  
The University of Western Ontario*





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REPORT OF THE PRESIDENT AND VICE-CHANCELLOR  
TO THE BOARD OF GOVERNORS AND THE SENATE  
THE UNIVERSITY OF WESTERN ONTARIO  
1968 - 1969

In this year, as last, to write of the University is to be concerned with its governance. I propose, therefore, to deal first with our internal government in both its Senate and Board manifestations, then with our external relations, and then with the machinery which co-ordinates these. That done, I shall turn to academic affairs, out of which have emerged some of the outstanding events of the year. The detailed documentation of the life of the University, both academic and administrative, is to be found in the reports of my decanal and other senior colleagues which properly and understandably make up the bulk of this volume. I shall conclude by noting some of the more momentous staff changes; honors, promotions and the like.

THE BICAMERAL SYSTEM : A GROWING CONSENSUS

The recent attention devoted to arguments for, and experiments with unicameral systems of government has tended to distract attention away from the significance of Western's experiment in an adventurously modified bicameral system. As I indicated in last year's report, the essence of the new system lies first in the fact that the Senate is dominated by its faculty members, and second, that provision is made for Senators to sit on the Board of Governors and vice versa. A further year's successful experience with this model attests to its vigorous viability. As a result of that experience I detect a growing consensus in favor of a bicameral system particularly if on the one hand, the Board of Governors' concept gives way to a Board of Public Trustees, and on the other the Senate recognizes, more generously than the University of Western Ontario Act of 1967 provides, the claims of students to wider Senate membership. The Senate took a significant step in this direction when in November it devised a means of buttressing the strength of its three Student Senators, by providing for 14 Student Observers who may attend meetings, receive all reports, participate in debate, and be eligible for elections to Senate committees. (Under the Act of 1967, however, it is not possible for the Observers to vote.)



One may ask why the bicameral system should be maintained when its edges have been deliberately blurred with members of each body sitting on the other. Why not then, go the full distance and integrate the two bodies into a single council? The answer is first, that the separation of powers guarantees the integrity of the Senate as the place where academic matters are thrashed out by academic people (both senior and junior) with lay participation limited to six persons out of 70, instead of say 25 of 75. Again, the present bicameral system guarantees that the fundamental recommendations that go forward to the Board are made (and without outside interference) by those who have to live with their consequences, namely, the representatives of the Faculty. There is, of course, no guarantee that this situation will obtain in a unicameral system. Finally, the separation of Board from Senate guarantees that proposals involving major expenditures will be looked at twice; first from the point of view of their academic acceptability, and then when they have survived that scrutiny, from the standpoint of sound business practice. While in fact these two points of view usually overlap they do not always do so, and a pointed query by the Board has more than once clarified, and made more precise and practical, proposals emanating from the Senate. Indeed, the very fact that all Senate recommendations are subject to the scrutiny of a group of expert laymen has exerted its influence in framing those proposals in the practical, clear cut, and unambiguous language likely to persuade the Board. That Faculty interest in senatorial affairs continues unabated was demonstrated by the fact that 72.8% of Faculty voted in the Fall elections. The same is true among graduate students, 25.5% of whom cast ballots. It is disappointing to have to record that only 5.7% of the undergraduate body cast ballots; a sorry contrast to the 40% who voted at the only other general election.

## THE BOARD OF GOVERNORS

The year 1968-69 saw the retirement from the Board's ranks of two of its very highly respected members.

Mr. K.S. Murray, an Alumni representative, completed his term of office on June 30, 1968, but continued as a member until his elected successor, Dr. C.S. Ward, was appointed on September 20, 1968.

The resignation of Mr. R.H. Reid for reasons of ill health was accepted with profound regret at the meeting of December 13, 1968. Mr. Reid, an appointee



of the Council of the City of London, had served continuously since December 31, 1958, and had made an outstanding contribution as the Chairman of the Board's Finance Committee. His successor, Mr. Walter J. Evans, was introduced to the Board at its meeting on January 17, 1969.

Mr. H.J. Fraleigh was re-appointed to the Board by the City of London for a further four-year term commencing January 1, 1969.

Consequent on his appointment as Vice-President (Academic) and Provost of the University, effective August 1, 1968, Dr. R.J. Rossiter was appointed ex officio to the Board on August 6. Prior to that time Dr. Rossiter had been one of the four Senate representatives on the Board, and the vacancy thus created was later filled by the election of Professor W. Balderston who attended his first meeting on October 18, 1968.

On November 15, 1968, at the request of King's College, Mr. W.C.P. Baldwin was nominated to serve on the Board of that affiliated institution.

On February 21, 1969, Mr. H.W. Kelly and Professor D.A. McLarty were named by the Board as the University's representatives to the Western Fair Association.

A great deal of attention was given by the Board during the year to the operation of its Standing and other Committees. One of the significant changes was the re-designation of the University Affairs Committee as the Campus Affairs Committee, with enlarged responsibilities and duties.

Through its Municipal Government Committee the Board continued its close and long-standing relationships with the City of London and the County Councils of Western Ontario. Not only did delegations representing the Board appear before Board of Control and the County Councils early in 1969, but the Board was host to the City Council on May 22 at the Annual Civic Dinner, and on June 18 to the County Councils; two highly successful functions.

In June the Governor General of Canada and Mrs. Michener visited the City of London during which time their Excellencies were the guests of the University at a luncheon.



## COMMITTEE OF PRESIDENTS AND ACADEMIC COLLEAGUES

I turn now to our external relations, that is our relations with our sister institutions, and with the Government of the Province. These twin obligations are met through our membership in the Committee of Presidents of the Universities of Ontario. This body, now some seven years old, acts as a clearing house for all inter-university affairs, and through its contact with the Committee on University Affairs acts also as the channel of communication with the Department of University Affairs of the Provincial Government. This year saw the establishment in practice of last year's tentative experiment whereby each president brought a faculty colleague to the meetings of CPUO. It is now the general practice (which Western follows) that each academic colleague should be a member of the Senate of his university. There is no question but that our academic colleagues have contributed substantially and fruitfully to our deliberations. In addition the wide-spread practice whereby they report on CPUO meetings to their Senates, has done much to improve communications and dispel suspicion. It is also to be noted that the Secretariat of CPUO continues to grow as progressively greater demands are made upon it by the universities on the one hand, and the Government on the other.

I now make reference to the means by which this University undertakes to relate its internal to its external affairs. These are to be found first in the establishment of our Committee on Operational Planning, and second in the revitalized University Assembly. The Committee on Operational Planning (COOP) was established in the summer of 1968 in response to a Government request for detailed information on enrolment projections, academic programs, building plans and space projections to 1974. The Committee, which heard presentations from every segment of the campus, undertook the substantial task of integrating these into an overall University plan. Its report was discussed by the Senate and the Governors, following which it was presented to the Committee on University Affairs which visited us on October 21, 1968. This was the first occasion in which the University presented a long-term plan evolved by a group representing all of its parts. As such its impact was substantial and the thanks of the University are due to members of COOP who brought the excellent Report into being.



## CONSIDERATION OF FUTURE ENROLMENT

It is clear that Western must soon face the difficult problem of imposing limitations on its enrolment in the Faculties of Arts, Science and Social Science. This is all the more necessary since all the other well-established universities in the Province have done so. To persist under these circumstances in our proud boast that all qualified applicants are granted admission is to invite overcrowding and the dilution of scholarly ability, since those unable to qualify for admission elsewhere will tend to come to Western as their second choice. What is wanted is a brake on our rate of increase; a device made all the more necessary by the recently announced sharp reduction in Provincial funds for capital expansion. Indeed, these funds have been so severely reduced that we must find cheaper ways of building, even if it means the end of our traditional architecture. In summary, while enrolment must in any event be curtailed, drastic cuts may be avoided if we are able to build more cheaply.

## END OF THE "COLLEGE" SYSTEM

I turn now to the academic affairs of the University where the most noteworthy event was the academic fission which created the separate Faculties of Arts, Social Science, Science and Music out of the old Faculty of Arts and Science. This substantial change in the academic structure of the University brought in its train the end of the so-called "college" system in Arts and Science. The College of Science, University College, Middlesex College, and Talbot College are now "University" buildings which house the activities of the Arts, Sciences, and Social Sciences rather than being identifiable corporate entities in themselves. While final appraisal must await the unrolling carpet of events, the early indications are that this was a good move, from both faculty and student standpoints.

## CURRICULA OF THE FUTURE

The second event of substantial academic significance was the decision to appoint an Academic Commissioner whose task it will be over a two year period to examine into the details, virtues, and defects of our various curricula. The University was fortunate in persuading Dr. Arthur Porter to undertake this task. Dr. Porter, who is both physicist and engineer, comes to us on loan from the University



of Toronto where he is Chairman of the Experimental Teaching Unit in the Faculty of Applied Science and Engineering. In anticipation of Dr. Porter's coming most, if not all, the teaching units of the University have engaged in a preliminary self-examination of their curricula, and by the same token the Senate has undertaken an examination of the curriculum of the General Course.

## MAJOR ADVANCES

Perhaps the most momentous of the many individual academic events of the year was the acquisition of the Stuart Collection of Milton and Miltoniana in March 1969. This superb collection, the last of its kind in private hands anywhere in the world, was acquired by the action of the Board of Governors with the assistance of The Canada Council and the U.W.O. Foundation, Inc. of New York. This acquisition provides Milton scholars in Canada with access to one of the finest collections of its kind. There is no question but that its presence will have a tonic effect on the University as a whole, and particularly on the Faculty of Arts.

October of 1968 saw the official opening of the Dental Sciences Building by the Honorable Matthew B. Dymond, an event which marked the beginning of clinical work in Dentistry on the campus. Such is the speed of change, and the press of events that it is easy to forget that the founding of this new Faculty of Dentistry, and the building of this whole magnificent operation was achieved by Dean Wesley J. Dunn and his colleagues in the incredibly short space of 3½ years.

The University received a Christmas present from the Ivey Foundation in the amount of \$403,000. for the School of Business Administration. In April 1969 the National Research Council made available the magnificent sum of \$675,000. for a Photochemistry Laboratory, to be under the direction of Dr. Paul de Mayo.

## COMMUNITY SERVICE

Dean R.M. Dillon of the Faculty of Engineering Science broke new ground by becoming the first academic in history to chair London's United Appeal Campaign. It is fashionable in some quarters to pretend that academics confine their sense of community responsibility to criticism of the efforts of others. The University is grateful to Dean Dillon and his busy colleagues whose splendid efforts have already laid this uncharitable ghost to rest.

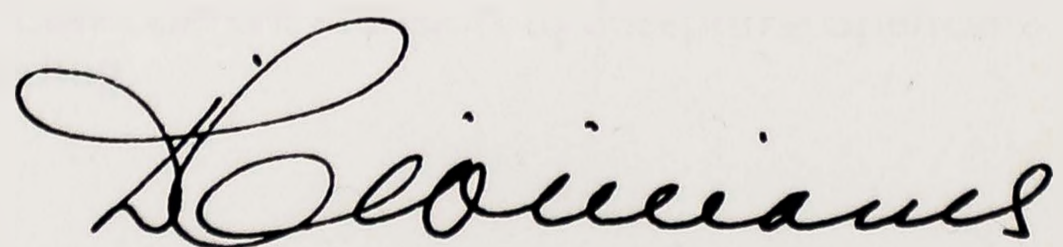


## STAFF CHANGES

While my colleagues have listed the changes in staff that occurred during the year, there are some that deserve special comment. Professor J.G. Rowe was named Dean of the new Faculty of Arts, and Professor G.L. Reuber became Dean of the new Faculty of Social Science. Dean A.W.R. Carrothers resigned from the Faculty of Law to become President of The University of Calgary. While selfishly we regret his loss, it is nonetheless a matter of pride that one of our number should be so signally honored. The decanal vacancy thus created was filled by Professor R.S. Mackay of our own staff who was appointed Dean of Law in January, 1969. The University accepted with regret the resignation of Dr. W.S. Turner, the first Dean of Althouse College, and welcomed his successor, Dr. Ernest W. Stabler, formerly of the Ontario Institute for Studies in Education. The new position of Vice-President (Academic) and Provost, as recommended by the Senate, and established by the Board, was filled by the appointment of Dr. R.J. Rossiter. The growing interest of the University in International Education is reflected in the establishment of an Office of International Education with Professor D.G. Simpson of Althouse College as its first Executive Secretary.

I record with deep regret and a sharp sense of loss the passing of Dr. Ronald A. Allen, sometime Vice-President, Dean of Graduate Studies and former Head of the Department of German, and of our Emeritus Dean of Law, Mr. Justice Ivan C. Rand. Even as we witnessed how Dr. Allen's wisdom and humanity dignified his dedication to this University, so were we also privileged to know the lively, humane and civilized man behind the great jurist.

Finally, I append in brief chronological form, some of the outstanding events in the life of the University. These clearly reflect its vigor and lively variety.





## AN ABBREVIATED CHRONOLOGY

1968–1969

July 1968

Dean A.W.R. Carrothers appointed President-designate and Vice-Chancellor of The University of Calgary, effective January 1, 1969.

Dr. R.J. Rossiter named Vice-President (Academic) and Provost.

Dr. J.G. Rowe named Dean of the Faculty of Arts.

Dr. R.N. Shervill named Executive Assistant to the President.

September

Mr. J.E. Brent, IBM President, appointed Chairman of the Advisory Committee, School of Business Administration.

October

Committee on University Affairs visits Western to discuss the Report of the Senate Committee on Operational Planning, with members of COOP and the Administration.

Dr. Matthew B. Dymond officially opens the Faculty of Dentistry.

Dr. Roy G. Ellis, Dean of the Faculty of Dentistry, University of Toronto, awarded honorary Doctor of Laws degree.

Dean N.L. Nicholson named Acting Dean of the Faculty of Social Science.

Dr. W. Balderston elected to Board of Governors by the Senate.

November

R. Buckminster Fuller visits campus.

Senate votes new policy on Student Observers and Spectators.

Dr. D.C. Williams gives keynote address at AUCC annual meeting in Ottawa.

December

Faculty of Law opens Extension to Josephine Spencer Niblett Building.



December Ivey Foundation makes grant of \$403,000 to School of Business Administration:

\$ 127,000 for purchase of computers  
168,000 for scholarships  
108,000 for research.

Final enrolment figures:

10,141 full time students  
2,394 part time  
119 graduate – non-resident  
186 interns.

1969

January Professor Robert S. Mackay, Q.C., named Dean of the Faculty of Law.

Death of Dr. Ivan C. Rand.

Dr. D.C. Williams is keynote speaker at International Conference of Academic Administrators in New York.

Professor Grant L. Reuber named Dean of the Faculty of Social Science.

UWO and University of Ghana economists set up five year program in teaching and research.

February

Dr. D.C. Williams addresses General Meeting of the Faculty Association.

Dome installed on Western's new Observatory at Elginfield.

Dr. A.W.A. Brown joins the World Health Organization in Geneva.

Woodrow Wilson Foundation names two Designates and one Honorable Mention:

Mr. Stephen Willis, Faculty of Music  
Mr. George Bushell, Department of Geography  
Miss Corinne Bieman, Department of English.

March

Dr. Arthur Porter appointed Academic Commissioner.



March

Dr. Ernest Stabler appointed Dean of Althouse College of Education.

The Library acquires the famous Stuart Collection of Milton and Miltoniana. Financial aid was received from The Canada Council, together with a pledge from the UWO Foundation, Inc. of New York in the amount of \$25,000.

April

National Research Council awards grant in the amount of \$675,000 for Photochemistry Laboratory.  
Dr. Paul de Mayo named Director.

Professor D.G. Simpson named Executive Secretary of the Office of International Education.

May

Convocation – Honorary Degrees awarded:

Dr. George P. Baker	LL.D.
Dr. H. Bruce Chown	LL.D.
Mr. V.P. Cronyn	LL.D.
Monsignor J.A. Feeney	LL.D.
Dr. H. Northrop Frye	D.Litt.
Mr. Jean Gascon	LL.D.
Dr. Robert F. Legget	D.Sc.
Hon. Charles S. MacNaughton	LL.D.
Professor George Temple	LL.D.
Colonel D.B. Weldon	LL.D.

Dr. D.C. Williams received honorary Doctor of Laws degree from the University of Manitoba.

Senate creates Office of Information Analysis.  
Mr. J.A. MacFarlane named Director.

June

Mr. Gino Lorcini appointed new Resident Artist.

Mr. J.P. Metras climaxes his colorful coaching career by announcing his retirement as Mustang Football Coach next season. He continues as Director of Athletics.

UWO President's Medals literary competition draws 151 entries. This year, for the first time, an honorarium of \$100 accompanies the awards.



# THE UNIVERSITY SENATE

## Report of the Secretary

J. K. Watson

The Senate held twenty regular meetings in 1968-69, and one special meeting. On four occasions meetings were held in camera for the consideration of particular issues.

Average membership attendance was 47, v.s. possible membership of 70 provided by the 1967 Act. Percentage attendance of membership groups:

Elected Faculty Membership - - - -	76%	Ex Officio Membership -	77%
Elected Student Membership - - -	94%	Appointees, Board of	
Elected Community Membership -	26%	Governors -	9%

The Senate year is, at present, December 1 to November 30 of the following one. Annual reports of Senate Committees will not be available until after the end of November this year, and official summaries of their work cannot be presented at this time. Since Senate membership, and Senate Committee membership undergo alterations each December, it must be understood that the work of Senate for the fiscal year July 1 to June 30 of the following year bridges two membership rosters, and the awarding of credit for achievements would have to be distorted to cover two membership compositions.

In recognition of the broad interest of the university community in Senate affairs, the following steps have been taken by the Senate:

Release of approved Minutes to regular members of the news media.

Establishment of categories of Observerships and Spectatorships for attendance at Senate Meetings.

Availability at the U.W.O. Library of copies of Senate records and documents.

Publication of summaries of current Senate affairs in two campus media.

With the assumption of responsibility in new areas of university affairs, in addition to the traditional responsibility of formulating academic policy, committees and councils have been established to recommend policy and action on specific subjects. These are in addition to the standing committees and sub-committees established to form the basis for the Senate operation, in December 1967 and early winter 1968.

Calendars for New Faculties  
Social Behavior  
Establishment of a University Press  
Ethnic Groups  
Organizational Union of Ontario Universities  
Feasibility Study of English Language Remedial Clinics and  
Writing Laboratories



Relations Between Universities and Government  
 Summer Supplements 1969  
 Review of Supplementary Salaries  
 Graduate Student Aid  
 Undergraduate Student Aid  
 Academic Rank of a Dean  
 Article 31(g), University Act 1967  
 Residence Policy  
 Retirement Rank and Privileges  
 Co-ordination of Creative Arts  
 Emergency Space  
 Non-Instructional Space  
 Summer School and Extension Policy  
 Admission Administration  
 Petitions and Appeals  
 Union Task Force  
 Retrieval and Analysis of Information  
 Special Developments  
 Advisory for Radio Science Centre  
 Advisory for Office of International Education  
 University Computer Council.

Reports of many of the committees have been received, and action taken on them, or recommended to the Board of Governors for action in the appropriate instances. Some others are continuing committees, whose reports are progress reports not requiring Senate action. Reports of others are still in abeyance pending further deliberations, or are in the process of being considered by Senate. Of special import in the development of Senate significance and authority was the work of two standing committees, the one dealing with financial short-term implications, and the other with long-term planning.

The Budget and Finance Committee (set up in early 1968) after some months' of groping for determination of its role, constructed a 1969-70 university budget which was approved by Senate, and later by the Board of Governors with only minor revisions. It prepared also a budget model and timing-schedule, for formulating future budgets which should be of important value to the faculties and their departments in assessing annual requirements.

In the summer of 1968 a new committee was set up, composed of representatives of two Senate Committees - "University Development" and "Programs and Admission Policy". The members of the Joint Committee met tirelessly in the preparation of a submission to the Department of University Affairs on the projection of the university's growth, and its necessary capital expansion, up to 1975. Although capital grants for the expansion of the universities were later drastically limited by the Provincial Legislature, the development planned by academic personnel was focused into a coherent perspective and pattern, understood and acceptable to the Senate on behalf of the faculty and students.

Of equal significance was the work of the Senate Committee on University Development subsequent to the limitation of expansion grants. This Committee not only worked out the compromises and priorities for the expansion phases, within the framework of available funds, for acceptance by the faculties involved, but worked out also the intricacies of finding and dove-tailing quarters for the most hard-pressed departments and faculties, planned for the introduction of new programs and specialized facilities, and worked with the students in their planning for a University Community Centre.



Much has been accomplished by the academically oriented Senate, since 1967, both legislatively and in establishing faculty and student trust, but it has been at the expense of the extraordinary efforts of dedicated individual faculty and student members who cannot so dedicate themselves indefinitely. The Senate, as envisaged in 1967, must be vitally renewed annually through membership turnover not only in its own composition, but in its committees as well. It cannot survive otherwise as an integral force in university government unless this condition is met.



## FACULTY OF GRADUATE STUDIES

### Report of the Dean

Professor R. J. Rossiter

During the year 1968-69 the Faculty of Graduate Studies maintained the rapid expansion of the past five years. In August 1968 the Dean was appointed to the position of Vice-President (Academic) and Provost. Professor W.J. McClelland, Assistant Dean, became Associate Dean and Mrs. Gwen Taylor succeeded Mrs. B. Potts as Administrative Assistant. In October 1968 a Selection Committee for the selection of a new Dean of Graduate Studies was established according to Senate Appointment Procedures.

Professor McClelland has continued to co-ordinate the activities of the Arts, Business Administration, Library and Information Science, and Social Sciences Divisions, while Professor H.W. Baldwin, Assistant Dean, has continued responsibility for Engineering Science, Medical Sciences, Natural Sciences and Nursing Divisions.

### REGISTRATION

Registration figures for the past five years are shown in Table 1. It will be noted that during the year the enrolment rose from 1236 to 1373, an increase of some 11%. These figures do not include 88 non-resident graduate students who have completed all of the requirements for the degree with the exception of the dissertation.

Table 2 shows the 1968-69 and 1967-68 registration by departments. In most departments the figures exceed those of the previous year, indicating a balanced growth throughout the whole Faculty. A notable feature is the relatively large increase in the number of full-time Ph.D. candidates. A total of 370 full-time Ph.D. students were registered compared with 306 in 1967-68 and 254 in 1966-67. Another encouraging sign is the increase in the number of full-time, as opposed to part-time or pre-requisite year, students. The total rose from 1013 to 1223, representing an increase of approximately 21% overall for full-time Masters and Ph.D. candidates.

### SUMMER REGISTRATION

As reported previously, the Faculty of Graduate Studies operates on a year-round basis, with fall, winter, and summer terms. During the summer of 1965 a total of 336 graduate students were registered. This figure increased to 348 in 1967, to 587 in 1968 and to 821 in 1969. These students were engaged upon research projects, undertook supervised reading assignments, or attended summer graduate courses. A number of the Arts and Social Science Departments offered graduate courses in the 1969 summer term.

### DEGREES CONFERRED

The degrees conferred in October 1968 and June 1969 by Departments are set out in Table 3. The figures in parenthesis refer to the degrees conferred in 1967-68.



## NEW GRADUATE PROGRAMS

A new Master's program in Music was approved both by Council and the Faculty in October 1967. The program was then submitted for appraisal by the Appraisals Committee of the Ontario Council on Graduate Studies. The Consultants were Dean W. Bain of Indiana University and Professor P.H. Lang of Columbia. After having received the report of the Consultants the OCGS Appraisals Committee recommended that a Master of Music program be initiated in the fields of (a) Music Theory and Composition, (b) Music Education, (c) Performance, and that a Master of Arts program be initiated in Musicology and Music Literature. These recommendations subsequently were approved by Senate and during 1968-69 the first students were admitted.

During the year the Faculty accepted the proposals of the Committee on Long-Term Planning, under the Chairmanship of Professor K.H. Burley, concerning the internal appraisal of new graduate programs. Proposed new programs will be considered by a new standing committee of Faculty, The Committee on Internal Appraisal of Graduate Degree Programs. This Committee will examine the proposal from an academic standpoint by a procedure analogous to that currently used by the OCGS Appraisal Committee, including the appointment of external assessors. In addition, the Long-Term Planning Committee will examine the proposal in relation to the Long-term projections of the University and all other criteria except those of to the long-term projections of the University and all other criteria except those of an academic nature. At present proposals for an M.A. program in Journalism and Science, and Political Science, and a new professional degree program, Master of Clinical Dentistry, are under study.

The Faculty has also requested the Committee on Internal Appraisal of Graduate Degree Programs to initiate phased arrangements for the internal appraisal of all existing graduate programs.

## SCHOOL OF LIBRARY AND INFORMATION SCIENCE

Early in 1966 the University, following the recommendation of a Senate Committee, established a School of Library and Information Science within the Faculty of Graduate Studies. Professor A.D. Osborn, School of Library and Information Science at the University of Pittsburgh, was appointed the first Dean of the School. In September 1966, 12 students were enrolled. This figure increased to 40 in September, 1967, and 47 in 1968. The first students graduated from the program in October, 1968.

During the year the School was accredited by the American Library Association, the fourth School in Canada and the second School in Ontario to be so recognized. As a result of the accreditation a substantial increase in enrolment is projected for 1969-70.

## COMPUTING CENTRE

The University Computing Centre is a department within the Faculty of Graduate Studies providing central computing and data processing services for all departments on campus. Assorted equipment consists of an IBM 7040 computer with 32,000 words of core storage, 800 card per minute reader, 250 card per minute punch, 1,100 line per minute printer, 7 magnetic tape drives, and 56 million characters of disk storage; also a DEC PDP 10/50 time sharing computer



with 65,000 words of core storage swapping disk, 4 magnetic tapes, and paper tape reader and punch, servicing 25 remote teletype terminals and 3 remote card reader-printer terminals located on and off campus. The PDP-10 system provides interactive computing capabilities for faculty and students within various departments. A 30 inch, incremental, drum type automatic curve plotter is also available to users.

In addition to operation of the computers the Computing Centre provides keypunching and programming analysis services on a cost basis.

Mr. George Lake, Director of the Centre, represents the University on the Computer Services Sub-Committee established by the Committee of Presidents of Ontario Universities.

### CENTRE FOR RADIO SCIENCE

The Centre for Radio Science, under the Directorship of Professor P.A. Forsyth, provides facilities for research in many areas of radio science. In order to make use of these facilities a graduate student must be registered in an appropriate Department or Faculty of the University and be supervised by a member or associate member of the Centre. The graduate courses and the student's degree program are administered by the Department or Faculty in which he is registered.

Facilities are now available for a variety of researches including the generation and detection of radio waves ranging down to submillimeter wavelengths, quantum electronics, quasi-optical techniques, interaction of radio waves with solids, gases, plasmas and beams of charged particles, the exploration of all levels of the earth's atmosphere, the sun's atmosphere and the interplanetary medium, using ground-based, rocket-borne and satellite-borne instruments. Co-operative research arrangements exist with several other universities in Ontario.

### INTER-AMERICAN STUDIES GROUP

In 1966 the Faculty of Graduate Studies gave formal recognition to the Canada in the Americas Programme, which had been active informally for a number of years. In December, 1967, the group was reorganized as the Inter-American Studies Group with Professor N.L. Nicholson, Department of Geography, as Chairman and Professor J.C.M. Ogelsby, Department of History, as Secretary. The purpose of the group is to encourage and facilitate a cross-disciplinary and sometimes a cross-faculty approach to inter-American studies in close co-operation with existing faculties and departments. It does so by such means as promoting closer liaison between departments and faculties, assisting in building up the resources of the library, seeking funds for this and other purposes such as faculty research, graduate scholarships, research professorships, etc., and in general by any other method approved from time to time by the Graduate Dean and Faculty.

### URBAN AND REGIONAL DEVELOPMENT STUDIES

The Urban and Regional Development Studies Group under the Directorship of Professor E.A. Beecroft, Department of Political Science, has continued to remain active. By this means the University provides facilities for inter-disciplinary research in the fields of urban and regional development. Through the Group a graduate student may undertake a program of study and research in a number of departments or faculties. While such a student is expected to take his degree in his basic discipline arrangements are made for the program to include



work in other disciplines. This inter-disciplinary program provides training for a student wishing to undertake research, teaching administration, or planning in the field of urban and regional development.

A number of students already engaged in such programs are receiving assistantships and fellowships from the University and from the Canada Council, Central Mortgage and Housing Corporation, and other sources.

### ONTARIO COUNCIL ON GRADUATE STUDIES

Largely as a result of the report of the Commission to Study the Development of Graduate Programmes in Ontario Universities under the Chairmanship of Dr. J.W.T. Spinks, President of the University of Saskatchewan, the Committee of Presidents of Universities of Ontario established the Ontario Council on Graduate Studies in 1966. Members of the Council are the Provincially-Assisted Universities of Ontario, each represented by the Dean of Graduate Studies or the Chairman of the Committee on Graduate Studies. The purpose of the Council is to promote the advancement of graduate education and research in Ontario universities, to consider matters referred to it by the Committee of Presidents, and to advise the Committee of Presidents upon the planning and development of an orderly pattern of graduate education and research, having regard, amongst other things, for the need to avoid unnecessary duplication of programs and facilities.

During 1968-69 the Council has been concerned with the following:

- (i) The Council has established an Appraisal Committee which has recommended procedures for the appraisal of graduate programs. At the present time all new Ph.D. and Master's programs are to be appraised. The Council hopes that subsequently it will be possible to undertake the appraisal of all graduate programs. Appraisal is voluntary and may be carried out only with the consent of the University concerned. The principle of appraisal has been approved by the Council, Faculty, and Senate of this University. At the present time 20 Master's programs and 18 Ph.D. programs have been approved by the Appraisal Committee.

- (ii) Co-ordination of Library Services

In conjunction with the Ontario Council of University Librarians, the Ontario Council on Graduate Studies has made recommendations to the Committee of Presidents concerning the co-ordination of library services within the Ontario universities. These include the development of adequate working research collections in all university libraries, the long-term division of responsibility for the development of advanced research collections, the establishment of a province-wide university library system, to include reader services and a bibliographic centre. Communication between the university libraries has been improved greatly by the introduction of an inter-university library transit system.

- (iii) Academic Planning

The Ontario Council on Graduate Studies has gone on record as encouraging province-wide meetings of Discipline Groups. Many such groups have



been meeting regularly for a number of years. On May 11, 1968, the Committee of Presidents of the Universities of Ontario organized a meeting of Departmental Chairmen from all of the major disciplines in which graduate programs are offered in Ontario universities. As a result of this meeting more formal associations have been established in many of the disciplines. Reports from such discipline groups have been received by the Executive Vice-Chairman, CPUO. They are currently under study by a new Standing Committee of OCGS, The Advisory Committee on Academic Planning. The University is represented on this Committee by Professor K.H. Burley, Department of Economics.

(iv) Graduate Student Support

The Council has participated in a number of meetings with the Committee on University Affairs and the officers of the Department of University Affairs concerning the support of graduate students. The Council submitted a brief to the Committee of Presidents recommending the expansion of the Province of Ontario Graduate Fellowship program to include Law, Engineering, and certain additions within the medical sciences. These recommendations have been accepted by the Department of University Affairs.

(v) Counting of Graduate Students

The Ontario Council on Graduate Studies has submitted a brief to the Committee of Presidents of Ontario Universities concerning the definition, counting, and formula entitlement for the various categories of graduate students. The brief recommends trimester counting of graduate students and a minimum and a maximum entitlement for M.A., M.Sc., and Ph.D. students. It is contemplated that these recommendations will become operative in 1969-70.

(vi) National Origin of Graduate Students

The Ontario Council on Graduate Studies has undertaken a survey of the nationality of all graduate students in Ontario universities, both by discipline and by institution.

PROVINCE OF ONTARIO GRADUATE FELLOWSHIPS

During 1968-69 the Province of Ontario Graduate Fellowships were allocated by two committees, the Arts and Social Sciences Awards Committee, under the Chairmanship of Professor V.W. Sim, Department of Geography, and the Sciences Awards Committee, under the Chairmanship of Professor D.G. Wilson, Department of Botany. The quota for the University of Western Ontario for 1968-69 was 189 Fellowships in the Arts and Social Sciences and 87 in the Sciences. This quota was filled with applicants of high academic attainment. During the summer of 1969 75 students held Summer Supplements to their Ontario Graduate Fellowship.



## NATIONAL RESEARCH COUNCIL AWARDS

The Sciences Awards Committee, under the Chairmanship of Professor D.G. Wilson also was responsible for making recommendations concerning the NRC Scholarship and Bursary Awards.

## POST-DOCTORAL FELLOWSHIPS

The number of Post-Doctoral Fellows within the University has grown rapidly, especially in the Natural Sciences Division. The Standing Committee on Post-Doctoral Fellows under the Chairmanship of Professor H.C. Clark, Department of Chemistry, has advertised the awards of Post-Doctoral Fellowships, maintained a record of Post-Doctoral Fellows, and concerned itself with the training and welfare of Post-Doctoral Fellows including negotiations for income tax relief.

## CONSTITUTION OF THE FACULTY OF GRADUATE STUDIES

As a result of a report of the 1967-68 Committee on Long-Term Planning under the Chairmanship of Professor R.G.E. Murray, Department of Bacteriology and Immunology, a new constitution for the Faculty was prepared by Associate Dean McClelland. This constitution, approved by Faculty in February 1969 and by Senate on March 28, 1969, becomes operative for the 1969-70 academic year.

The new Constitution calls for the consolidation of the Faculty into four major Divisions: Arts, Biosciences, Physical Sciences, and Social Sciences, each Division represented by an Assistant Dean. Professional degree program committees (M.B.A., M.Cl.Sc., M.Eng., M.L.S., M.Sc.N., Mus. M.) will be responsible to the appropriate Divisional Committee. Provision has been made for graduate students to serve as members of the Council of the Faculty, the Executive Committee and the Divisional Committees.

Departments, Schools or Faculties contemplating graduate work, but not presently so engaged, may send a designated non-voting observer to all meetings of Council.

## REGULATIONS FOR THE PH.D. FACULTY ORAL EXAMINATION

During the year an ad hoc Committee under the Chairmanship of Professor G.F. Lyon, Department of Physics, recommended extensive changes in the requirements for the Ph.D. Faculty Oral Examination. These recommendations were considered at length on several occasions by the Council and Faculty and were given final approval on May 20, 1969. The revised regulations will take effect when the new constitution becomes operative.

## PRE-REQUISITE YEAR

During 1967-68 a Committee under the Chairmanship of Assistant Dean Baldwin made a number of recommendations concerning the pre-requisite year. These recommendations were considered by Council on several occasions and finally approved by Faculty on November 12, 1968. The changes were incorporated into the 1969-70 Announcement of the Faculty.



TABLE 1

ANNUAL REGISTRATION

	<u>1964-65</u>	<u>1965-66</u>	<u>1966-67</u>	<u>1967-68</u>	<u>1968-69</u>
Business Administration	257	266	294	322	358
Engineering Science	18	21	34	61	78
Humanities & Social Sciences (Arts)	332	342	-	-	-
Humanities (Arts)	-	-	140	143	159
Library & Information Science	-	-	12	70	55
Medical Sciences	56	64	84	103	127
Natural Sciences	185	219	258	277	314
Nursing	10	9	14	12	8
Social Sciences	-	-	223	248	274
Total	858	921	1,059	1,236	1,373



TABLE 2

## FACULTY OF GRADUATE STUDIES

## REGISTRATION 1968-1969

DIVISION	QUALIFYING		MASTER'S		PH.D.		TOTAL 68-69	TOTAL 67-68
	FT	PT	FT	PT	FT	PT		
<u>Business Administration</u>			343		15		358	322
<u>Engineering Science</u>			54	2	19	3	78	61
<u>Humanities (Arts)</u>								
<u>Classics</u>			2	2			4	7
<u>English</u>	14	2	32	7	11	1	67	57
<u>French</u>	3	1	7	9	10	2	32	39
<u>German</u>	1		1	1	1		4	4
<u>Philosophy</u>	2		18		15		35	27
<u>Spanish</u>	4		9	4			17	9
	24	3	69	23	37	3	159	140
<u>Library Science</u>	6	1	46	2			55	70
<u>Medical Sciences</u>								
<u>Anatomy</u>			6		7		13	14
<u>Bacteriology</u>	1		12		8		21	13
<u>Biochemistry</u>			12	1	16		29	26
<u>Biophysics</u>	1		3		6		10	7
<u>Medicine</u>			2				2	
<u>Path. Chemistry</u>	1		3		3		7	2
<u>Pathology</u>			4		2		6	3
<u>Pharmacology</u>			11		2		13	11
<u>Physiology</u>	3		12		9		24	25
<u>Preventive Medicine</u>					1		1	1
<u>Surgery</u>			1				1	
	6		66	1	54		127	103
<u>Natural Sciences</u>								
<u>Applied Mathematics</u>			10		8		18	10
<u>Astronomy</u>			9		3		12	6
<u>Botany</u>	1		8		18		27	22
<u>Chemistry</u>	2		27		58		87	79
<u>Computer Science</u>			16	5			21	17
<u>Geology</u>			12		21		33	27
<u>Geophysics</u>			6		6		12	13
<u>Mathematics</u>	3		7		14	4	28	30
<u>Physics</u>			17		18		35	33
<u>Zoology</u>	3		19		19		41	40
	9		131	5	165	4	314	277
<u>Nursing</u>			4	4			8	12



DIVISION	QUALIFYING		MASTER'S		PH.D.		TOTAL 68-69	TOTAL 67-68
	FT	PT	FT	PT	FT	PT		
<u>Social Sciences</u>								
<u>Economics</u>	6		22	1	17		46	45
<u>Geography</u>	3		33	2	12		50	46
<u>History</u>	11	2	16	4	11		44	43
<u>Physical Education</u>	4	1	6	8			19	14
<u>Political Science</u>	2		15	1	7		25	12
<u>Psychology</u>	8		16		33		57	61
<u>Sociology</u>			32	1			33	27
	34	3	140	17	80		274	248
<b>TOTAL</b>	79	7	853	54	370	10	1373	1236

		<u>1968-69</u>	
<u>FULL TIME</u>			
Qualifying		79	
Master's		853	
Ph.D.		370	
<u>Total</u>			<u>1302</u>
<u>PART TIME</u>			
Qualifying		7	
Master's		54	
Ph.D.		10	
<u>Total</u>			<u>71</u>
<u>NON-RESIDENT</u>		88	<u>88</u>
<u>TOTAL</u>			<u>1461</u>

		<u>1967-68</u>	
<u>FULL TIME</u>			
Qualifying		100	
Master's		707	
Ph.D.		306	
<u>Total</u>			<u>1113</u>
<u>PART TIME</u>			
Qualifying		26	
Master's		73	
Ph.D.		24	
<u>Total</u>			<u>123</u>
<u>NON-RESIDENT</u>		80	<u>80</u>
<u>TOTAL</u>			<u>1316</u>



TABLE 3

Faculty of Graduate Studies

Degrees Conferred in October, 1968, and June, 1969

	<u>Ph.D.</u>	<u>M.A.</u>	<u>M.E.Sc.</u>	<u>M.Eng.</u>	<u>M.Sc.</u>	<u>M.Sc.N.</u>	<u>M.B.A.</u>	<u>M.L.S.</u>
<u>Business Administration</u>	(1) 1						(134) 154	
<u>Engineering Science</u>	1		(6) 13	(8) 18				
<u>Humanities (Arts)</u>		(1) 4						
Classics		(6) 9						
English		(3) 6						
French	2	(1) 3						
German		(8) 6						
Philosophy	2	(1) 1						
Spanish								
<u>Library Science</u>								
<u>Medical Sciences</u>								48
Anatomy	(2) 3				(1) 4			
Bacteriology and Immunology	(1) 1				(1) 3			
Biochemistry	(2) 4				(2) 2			
Biophysics	(2) 2				1			
Medical Research	(1) 1				1			
Pathological Chemistry					(1) 1			
Pharmacology	(1) 1				(1) 2			
Physiology	1				(2) 1			
<u>Natural Sciences</u>								
Applied Mathematics	1				(2) 3			
Astronomy					(2) 2			
Botany	(3) 13				(1) 2			
Chemistry	(12) 13				(4) 5			
Geology	(1) 1				(2) 3			
Geophysics	2				(1) 1			
Mathematics	(1) 3	(11) 5						
Mathematics and Computing		(2) 2						
Physics	(3) 4				(3) 8			
Zoology	(5) 2				(11) 9			



	<u>Ph.D.</u>	<u>M.A.</u>	<u>M.E.Sc.</u>
<u>Nursing</u>			
<u>Social Sciences</u>			
Economics	1	(21) 19	
Geography		(5) 8	
History	1	(4) 5	
Physical and Health Education		(2) 7	
Political Science		(2) 1	
Psychology	(8) 5	(22) 16	
Sociology		(2) 15	

TOTALS

Doctor of Philosophy	(42)51		
Master of Arts		(91) 111	
Master of Engineering Science			(6) 13
Master of Engineering			
Master of Science			
Master of Science in Nursing			
Master of Business Administration			
Master of Library Science			

NOTE: The figures in parenthesis refer to degrees conferred in 1967-68.



M.Eng.

M.Sc.

M.Sc.N.

M.B.A.

M.L.S.

(7) 1

(2)

15

(8) 18

(36) 48

(7) 1

(134) 154

48



# THE COMPUTING CENTRE

## Report of the Director

Mr. G. T. Lake

The year 1968-69 has seen further growth in services and capabilities in the Computing Centre. The major activity during the year has been concerned with consolidation and expansion of remote computing services. By June 1969 the PDP-10 computer in the Computing Centre was servicing some 20 telephone lines, connecting over 25 teletype terminals and three card reader-printer terminals to the central facility. In addition to terminals in various departments on the campus, a terminal was installed in St. Joseph's Hospital to be used in pulmonary research and one was installed in Wheable High School to be used for computer assisted instruction of students in mathematics. Both of these off-campus facilities have proven successful and represent a further service to the community by the University.

Because the remote access system at Western is the first of its kind in Canada it has attracted a certain amount of attention in the computing community across the country. The equipment manufacturer has on a number of occasions used Western's system to conduct line demonstrations of remote computing in various major cities in Canada. As an indication of the power and flexibility of the system, it is usually unnecessary for the Computing Centre to receive any prior notification of such demonstrations, although permission is sought in each case in advance. Demonstrations have been held in Vancouver, Edmonton, Calgary, Montreal, and St. John's, Newfoundland. While these have undoubtedly benefitted the manufacturer, the University has also received benefits by way of favorable publicity.

Once again workload in the Computing Centre increased over previous years. The following table shows the growth in work on the IBM 7040 computer.

<u>Year</u>	<u>Number of Hours Used</u>	<u>Number of Jobs Processed</u>
1964-65	4156	19099
1965-66	5571	22620
1966-67	5564	42554
1967-68	4827	64588
1968-69	5764	79599

During the past year it has become increasingly evident that the existing IBM 7040 computer in the Centre would have to be replaced soon with a larger, more modern system. This problem has been somewhat accentuated by failure of the Ontario universities to agree on setting up a regional computing centre in the near future. The Computing Centre at Western has therefore been studying future requirements and has recently recommended that a new, larger computer system be acquired in the near future. This recommendation is currently under study within the University and it is hoped that new equipment will be in operation by the close of 1969-70.



## THE FACULTY OF ARTS

### Report of the Dean

Professor J. G. Rowe

By action of the Senate of the University of Western Ontario, the Faculty of Arts and Science was divided into three Faculties, Science, Social Science and Arts, on 1 July, 1968. On 15 August, 1968, Professor J.G. Rowe was appointed first Dean of the newly formed Faculty of Arts. The Faculty embraces eight departments: Classics, English, Fine Art, French, German, Philosophy, Spanish-Italian and Russian Studies.

The year 1968-69 was a period of organization, devoted to making the transfer from the old College system to the new Faculty system as efficiently and as painlessly as possible. The Faculty of Arts in 1968-69 had no students. The transfer of students to the three Faculties will take place on 30 June, 1969, with the final disappearance of the Colleges. However, the Faculty included some 130 full-time members at the rank of Lecturer or higher.

Acting upon the constitution approved by Senate, the Dean convened the first meeting of the Council of the Faculty of Arts on 23 September, 1969. At this meeting and subsequent meetings, the Council devoted itself largely to the creation of Standing Committees: The Executive Committee; The Educational Policy Committee; The Library Committee; The Nominating Committee. Two important Ad Hoc Committees were established during the year: The Ad Hoc Committee to review the programs and teaching methods of the Faculty of Arts, and the Ad Hoc Committee to consider the creation of a Department of Linguistics. I wish to pay tribute to all members of the Faculty who served on these committees. Mention should also be made of the valuable contribution made by the six student representatives to the deliberations of the Council and its committees.

It is with regret that the Dean has accepted the resignation of Professor Robert Torrens as Professor of French and long-time Chairman of that Department. The best wishes of the entire Faculty go with Professor Torrens as he takes up his new position at Trent University. I have also accepted with regret the resignation of Professor A.E. Raymond as Head of the Department of Classics. It was Professor Raymond's wish to return to full-time academic work unimpeded by administrative duties. Professor Douglas Gerber has been chosen by a Selection Committee for a five year term (renewable) as Chairman of the Department of Classics. Professor Carl Barbier of Edinburgh University has been appointed Professor and Chairman of the Department of French, effective 1 July, 1970 to 30 June, 1972. Professor D. Jones will be Acting Chairman 1969-70.

Perhaps the outstanding event of the past year was the purchase of the Stewart Collection. Assisted by a generous grant from the Canada Council, the University is now in possession of the last great collection of Milton and Miltoniana remaining in private hands. This development is of the greatest significance for the Faculty, many of whose departments are deeply involved in research in the 16th and 17th centuries.



It is with gratitude that I record the contributions made in securing the Stewart Collection by Professor Paul Fleck, Chairman of the Department of English, Professor R.J. Rossiter, Vice President Academic, Mr. R.B. Willis, Vice President Administration and Finance, and Dr. D. Carlton Williams, President and Vice Chancellor of The University of Western Ontario.

Gratitude of the Faculty is also due to the Senate of The University of Western Ontario for its generous support in acquiring the Stewart Collection and in the creation of the Professorship in Renaissance Literature.

The Faculty of Arts begins its existence at a critical period in the life of universities throughout the world. It is our hope that we may contribute something to the revival of humane sanity so necessary for the discovery and communication of truth.



## FACULTY OF SCIENCE

### Report of the Dean

Professor Andrew E. Scott

The year 1968-69 saw the establishment of the Faculty of Science as a separate Faculty. This event followed many months of discussion in various committees and culminated in a restructuring which, for us, took effect on July 1, 1968.

The year has been one of continued growth and the pressures on our already inadequate facilities are great. Fortunately, space became available to us in the new Staging Building. This allowed us to alleviate somewhat the difficulties encountered by the Departments of Zoology and Botany in accommodating the burgeoning Biology 22 class. It also permitted us to bring the Department of Computer Science back to the main campus. Both of these events took place too late in the year to make their impact felt until the 1969-70 academic year. The space situation remains critical, however, due to the stringent cuts in capital financing recently implemented by the Provincial Government.

As a result of this amended fiscal policy, Phase I of the Faculty of Science building program has had to undergo a change in direction. The projected construction of a Mathematics Tower at the rear of the Natural Sciences Building has had to be postponed and instead the Departments of Applied Mathematics, Mathematics and Computer Science will now share space with the Faculty of Engineering Science in a new addition to the Engineering Building to be commenced next year.

### FACULTY DEVELOPMENTS

We were fortunate in having several distinguished visitors with us this year. The Department of Applied Mathematics sponsored Professor George Temple, C.B.E., F.R.S., former Sedleian Professor of Natural Philosophy at the University of Oxford, for an Honorary Degree which was conferred at Spring Convocation. Professor M.J. Lighthill, F.R.S., one of the world's most distinguished Applied Mathematicians, also visited the Department. Both delivered lectures.

The Department of Mathematics welcomed Professor L.S. Bosanquet, a distinguished mathematician from University College, London, who spent six weeks with us at Western in July and August.

In addition, the Faculty of Science sponsored a vigorous visiting speakers program in all departments. This program, the importance of which cannot be overstressed, is gradually being enlarged from year to year as funds permit. These contacts with scientists from all parts of the world are of vital importance to our faculty.

Two major lecture series were continued this year. The first of these was the now well-established University Lecturer in Chemistry series which took place in September, with Professor A. Eschenmoser, Professor of General Organic Chemistry at the Swiss Federal Institute of Technology as our guest.



The second, the University Biology Colloquium, was co-sponsored by the Faculties of Science, Medicine and Dentistry. This event took place in March and our guest this year was Dr. H. Newcombe, Head of the Biology Division of the Atomic Energy Company of Canada at Chalk River. Both events were enthusiastically received and engendered considerable interest on the part of our neighboring sister institutions.

Towards the end of the year the Department of Geophysics played host to an important conference, the NATO Advanced Study Institute, which brought together at Western astronomers and geophysicists currently working on problems related to the phenomenon known as the Chandler Wobble, a topic of prime interest to our own geophysicists, which was briefly described in last year's report.

Work continues apace on the new University Observatory site at Elginfield. The final assembly of the 48" telescope is now in progress and when completed it will undoubtedly be the most versatile and advanced research telescope in Canada. I am pleased to report that the project is on schedule and a Fall opening is planned.

The introduction of a Faculty of Science Faculty-Student Liaison Committee was a significant step forward in faculty-student relations, and communication. This event was paralleled by the introduction of similar committees in most of our departments. Two of the students on the Faculty of Science committee, Mr. Jeremy McNeil and Mr. Dan Loncke, were also members of the Faculty Council whilst one of them, Mr. Jeremy McNeil, was the Faculty of Science student observer on Senate. I have nothing but praise for the diligent and responsible manner in which these students carried out their duties.

I am also pleased to record that progress continues towards the introduction of a three-year B.Sc. degree in Biology which will involve not only the Departments of Botany and Zoology, but the Basic Health Science Departments as well. We look forward to an ever increasing degree of interdisciplinary involvement with our sister departments in the Medical Building.

Two new undergraduate course offerings were planned during the year for implementation at the beginning of the 1969-70 school year. The first of these, Contemporary Science B, will complement the already successful Contemporary Science A course. The new course which will be taught by Dr. R.H. Stinson, is designed for non-science students and will stress the Life Sciences. The second new offering will be a course entitled "The History of Scientific Thought" which will be given by Dr. Alan Richardson of the Department of Medical History. It is understood that this course, to be offered to senior science students, will be one of the first of its kind in a Canadian University.

In January, Dr. A.W.A. Brown, Head of the Zoology Department for many years, resigned to take up a senior post with the World Health Organization in Geneva, Switzerland. His many friends at Western regret his leaving but wish him well in his new post. A new Chairman is being sought for the Department. In the meantime, Dr. R.H. Stinson has been appointed Acting Chairman.

I am pleased to announce that Dr. J. William McGowan, a well-known atomic physicist, has been appointed Chairman of the Department of Physics and will take up his new duties in July. For the past year Dr. P.A. Fraser has been Acting Chairman of the Department.



## DR. ELIZABETH R. LAIRD

In concluding this part of the report, I wish to pay tribute to the memory of a distinguished former member of the Department of Physics, Dr. Elizabeth R. Laird, a long-time friend of the Department, a well-known physicist in her own right and former student of Max Planck, died early in the year at the age of 94. The Annual Awards Ceremony of the Faculty of Science will not be quite the same without her as one of our platform guests.

## RESEARCH

As usual, it is impossible to do justice in a report such as this to the many and varied research activities which go on in the various departments of the Faculty. Perhaps the best way by which to gauge these activities is to direct the reader's attention to the tables ancillary to this report listing the publications of faculty and the financial support which has accrued to them.

During the year the Departments of Botany and Zoology acted as joint hosts to the 23rd Session on Biological Research. At this meeting a record number of 86 graduate students, including some from U.W.O., presented papers.

A matter of some significance was the award of a Negotiated Development Grant of \$675,000 by the N.R.C. to the Department of Chemistry. This, the largest grant ever received by the University, will be used to develop an international research centre in Photochemistry. Dr. P. de Mayo has been appointed Director for a three-year period.

The Department of Chemistry has also achieved the distinction of having had presented to one of its members, the third major award in as many years. Dr. E.W. Warnhoff received the Merck, Sharpe and Dohme Lecture Award of the Chemical Institute of Canada at the Annual Conference of the Institute held in Montreal in June.

An interesting development reported by the Department of Computer Science is the initial investigation of an analysis system which will enable a computer to process and suggest ECG diagnosis as well as to assist in the further investigation of heart disease. This program is a joint project with Dr. G.W. Manning and the Medical School. Further work on an arrhythmic analysis program for continuous monitoring of critically ill patients has also been begun.

## CONCLUSION

This report would not be complete without a tribute to Professor George Harold Reavely who retires as Assistant Dean in June. Harold Reavely, who has over 40 years of continuous service to the University to his credit, will be greatly missed by us all, particularly those of us in the Dean's Office. I am glad to say that he is not severing his connections with the Faculty of Science completely and will continue on a part-time basis with the Department of Geology. He has also accepted an assignment with the Faculty of Medicine in connection with an investigation of sterilization by gamma rays, a technique being proposed for the new University Hospital.



## FACULTY OF SOCIAL SCIENCE

### Report of the Acting Dean

Professor Norman L. Nicholson

Like the Faculty of Arts, the Faculty of Social Science has existed in name only during 1968-69 as its future faculty and students were distributed among University, Middlesex and Talbot Colleges.

The year, therefore, was spent in preparing for the changes to come in 1969-70. A "constitution" for the Faculty (appended) was finalized and approved by the Senate and committees in keeping with this document were established and began to work. Various representatives were also elected or appointed to other Faculty councils and university bodies and in this connection the conscientious work of the Nominating Committee, chaired by Professor E.G. Pleva, which, perforce, had to meet frequently, was much appreciated. The Faculty Council held four regular meetings and one special meeting; the Executive Committee also met five times. Of the other committees, the Educational Policy Committee, under the chairmanship of Professor E. Beecroft, needs to be specially mentioned as it had a number of significant matters to discuss. Perhaps the most noteworthy was the establishment of a Department of Social Welfare at King's College which was eventually approved by the Senate. But the involvement of the Committee with the Senate ad hoc sub-committee on Ethnic Groups and the establishment of a "Task Force" to consider the structure of the academic programs of the Faculty also absorbed much of its time. The Sector Planning Committee also went through a period of intense activity to prepare preliminary plans for a possible Social Science building complex to house the Faculty of the future.

As no budgetary provision had been made for these activities, they were accommodated within the departments and the office of the Dean of University College. We are also most grateful to the staff in the latter office, and especially to Miss Helen Wilson, Administrative Assistant to the Dean, for the willing way in which they absorbed the additional work under what were often trying circumstances.

Now that the appointment of a Dean and an Assistant Dean and the 1969-70 budget have been approved, the Faculty of Social Science is in a position to become a fully operative separate entity on July 1, 1969.



## UNIVERSITY COLLEGE

### Report of the Dean

Professor Norman L. Nicholson

University College continued to consist of the Departments of Economics, English, French, Journalism, Physical and Health Education, Secretarial Science and Sociology. All Extension students continued to be registered in the College as were the students of the University enrolled in the Home Economics course. The total registration of intramural students at the College for the year was 1,737 (of whom 89 were part-time) and of Extension students 1,676, making a total of 3,413. The total faculty and supporting staff was 297½. (See Table 1).

Only minor alterations to existing space were necessary during the year but one is especially noteworthy. Room 225, originally furnished as a Board Room and used for many years by the Board of Governors was, through their courtesy, turned over to the College as a Faculty Lounge in 1967. Funds did not permit its complete rehabilitation until the latter part of 1968-69 but now, recarpeted, re-draped, relit and refurnished the faculty, after 45 years, have a facility comparable to that existing in the other Colleges.

Three members of the Faculty of long-standing retired at the end of the year. Mrs. Elfrida Berzins had been a member of the Department of Physical and Health Education since 1952. Fortunately she has been persuaded to remain on the teaching staff in a post-retirement capacity. In the Department of French, Professor Norman Bennetton retired after many years of inspiring teaching and the direction of many graduate theses and Professor Robert Torrens relinquished his position as a member of the Faculty. He has served the University for 25 years, all of them in University College, first as Head of the Department of Romance Languages and for the last two years, as Head of the Department of French. When he joined the University his department consisted of five people. He built it to one of 30 full-time faculty members, 17 teaching fellows and 3 secretaries, in addition to serving the University in countless other ways. He has been a pillar of strength in University College and his wise counsel and sound advice could always be counted on. We wish these scholars every happiness in their senior years.

#### Departmental Developments

In the Department of Economics a noteworthy feature has been the increasing importance of training at the post - M.A. level. During the year there were 15 Ph.D. students in residence (over one-third of the total graduate enrolment in Economics) and 7 off campus. The first Ph.D. degree in Economics was conferred at the Fall Convocation. A major new development was the negotiation of a general agreement for a co-operative program of economic research and training with the Department of Economics at the University of Ghana, the primary objective of which is to expand research on problems of economic development in West Africa. The burdens of this particularly busy year were admirably shouldered by Professor R.J. Wonnacott, who was Acting Head while the Head was away on leave of absence.

The Department of English experienced a dramatic increase in its undergraduate enrolments. In English 20 some 300 more students than had been expected had to be provided for at a time when the Department was making strenuous efforts



to preserve some semblance of individual teaching. The lecture-tutorial system was continued for the third consecutive year so that the lecture groups could be kept to 60 to 75.

The Department continued to develop its offerings in Drama. It produced *Man and Superman* in December and a number of rehearsed readings (*The Nun's Priest's Tale*, *The Waste Land*, *King Lear* and *Endgame*) were specially produced for students registered in English 20. A non-credit course on Film was offered and a film series sponsored, in collaboration with the Department of Extension.

The Department of French also experienced a large increase in its enrolment. The grand total of students taught by the Department during the year was 2,809. Of these 45 were graduate students, two of whom were granted the Ph.D. degree and five the M.A. Three of the graduating students were appointed as assistants d'anglais by the Government of France. They will be assigned to a lycee in France to assist in a program of conversational English. One of the most important developments in the department was the careful establishment of a Faculty-student Liaison Committee and the evident constructive and effective contributions which the students made to it.

The Department of Journalism continued its exchange program with the School of Journalism of Carleton University. Professor Stuart Adam, of Carleton, conducted classes for three days in the Department while Professor Wilson conducted classes for three days at Carleton.

Changes in the fourth year of the Honors Journalism program included the offering of separate courses in Radio News Writing and Editing and Television News Writing and Editing.

The Department of Physical and Health Education continued to benefit from generous interdisciplinary relations with the Departments of Physiology, Psychology, the School of Business Administration and Althouse College of Education. This was particularly evident in the graduate program. All its members participated in a two-day "retreat" at Bayfield where the central theme was the development of the department with stress on curriculum.

Several members of the Department continued to conduct "clinics" in their specialty at various centres: - Miss Dresser for basketball (Chatham); Mr. Eynon for swimming (Terrace Bay, Woodstock, St. Catharines, Sudbury, Clarkson, Windsor, Ottawa); Mr. Hill for tennis (London), Mr. Leyshon for wrestling (St. Thomas, London); Mr. Richardson and Mr. Smith for waterpolo (Toronto, Ottawa, Moncton) and coaches (Winnipeg, London); Miss Taylor for basketball (Toronto, Chatham, London); and Dr. L'Heureux, Dr. Yuhasz and J.R. Richardson for general fitness (St. Catharines, London, Winnipeg).

It is a pleasure to report that the Department of Sociology gained strength during the year. Dr. Edward Pryor was prevailed upon to become Chairman on a continuing basis, and under his leadership additions were made to his competent and enthusiastic faculty. It held a series of meetings to consider carefully its future development and articulate long range goals which augur well for its place in the Ontario system of university education. Heavy enrolments in the Sociology courses and the success of the two new undergraduate courses - Minority groups and Medical Sociology, appear to reflect the increased student awareness of current social issues.



The members of the College were actively engaged in research during the year. Lack of space makes it impossible to list and discuss all the projects undertaken; the scope and variety of research will be at least partially reflected, however, in the list of publications and the schedule of research funds.

### Special Activities

Many interesting activities, in addition to the normal program of instruction, were carried on during the year. Space permits mention of only a few of them here.

During the fall, the Department of Economics completed a Research and Training Program with the Canadian International Development Agency emphasizing training of their planning officers in techniques of project appraisal. In May, the Department organized a seminar on Econometric Theory, with financial assistance from the Canada Council, at which papers were given by members of the Department and visitors from other Canadian universities and in April the annual joint seminar with the University of Toronto was held. This year the Faculty - Graduate student Seminar concentrated on recent developments in economics and some thirteen distinguished economists from Canada and abroad visited the University for several days to participate.

A most notable event, not merely for the Department of English and the College, occurred with the acquisition of the Stuart Collection, the last great private collection of Milton texts and Miltoniana consisting of some 450 items, published in the main, before 1800. These will assist the Department in the development of its graduate programs.

The Department of French continued its long tradition of bringing professional theatrical companies to the campus. On November 23, the Tréteau de Paris Theatre Company gave two performances of Moliere's Le Tartuffe and on March 6 the Théâtre Populaire de Quebec gave two performances of Anouilh's Antigone, the latter being attended by the Consul General of France, Mademoiselle Marcelle Campana. On March 14, Pierrie Ayala, a "diseur" gave a recital of French poetry taken from a very wide range of French literature. But perhaps the highlight of the special activities was the first colloquium organized by the Department. Called "Colloque 69: Bernanos", it attracted professors from a great many North American universities. Special speakers were brought from France and were joined by several colleagues from Canada and the U.S.A. to present papers and lead discussion groups. The ambitious undertaking was made possible by a grant from the Canada Council. Its success exceeded expectations. Arrangements are in hand to publish the proceedings and to organize a second colloquium, centred around Baudelaire, in 1970.

As a class project the members of Journalism 352 conducted an analysis of internal and external communications of the Canadian Association of Purchasing Agents for the Association and the Department of Physical and Health Education initiated a successful voluntary noon - hour fitness program for University faculty.

On January 23-24, the Sociology Club presented a university conference on "Student Power and Social Change in the Canadian University Today" which was especially gratifying in that not only was it student inspired and organized but that it provided the university community with exposure to a topical social issue.



## Epilogue

As this year brings to a close my term of Office as Dean I cannot conclude this report without a special word of thanks to the faculty, the supporting staff and the students who have made my stay with them so memorable and enjoyable. It has been a privilege to know them and work with them. I cannot refrain from mentioning Miss Helen Wilson in particular for without her work as Administrative Assistant to the Dean, the College could not have functioned as smoothly as it did. We are all indebted to her for her meticulous attention to detail and her patience, tolerance and yet rapport, with faculty and students alike.

But this will also be the last report on University College as an academic unit. It was the first such unit on the present site of the University, but the name has much earlier origins as the Calendars of the 1880's refer to "Western University College". In its earlier years it embraced all the academic activities of the University except the professional schools but as time went by there was a gradual erosion of the College as a "total" academic entity notably with the separation of Business Administration as a School in 1949 and Science as a College in 1965. In earlier years, University College (student) Council acted in effect, as a University Student Council. It surrendered this role to a University Student Council and later ceased to act for Science students when the College of Science came into being.

The Faculty and students of University College will now become absorbed into the new Faculties of Arts and Social Science. But we trust that they take with them something of the traditions of scholarship, integrity and service for which University College became known during the 45 years of its existence. The College has had a proud past, its list of Deans and Principals including some of the most famous names in the annals of the University's history - James, Fox, Neville, Kingston, Stiling, Uffen and Trueman. Its pride is not lessened by its ability to bow to, indeed to encourage, the new administrative structures which have become necessary with the enormous growth of the University and the changing concepts of the role and nature of university education. The "Tower on the Hill" will be a constant reminder of the contributions and sacrifices of those men and women determined to establish sound liberal university education in this part of Ontario and of the gratitude of the more than 16,000 graduates who carry the name "University College" on their diploma.



TABLE 1

## DISTRIBUTION OF FACULTY AND STAFF - 1968-1969

## UNIVERSITY COLLEGE

Department	Senior Profs.	Profs.	Assoc. Profs.	Assist. Profs.	Lecturers	Instructors	Teaching* Fellows & Demonstr.	Tech.* Technicians	Secretaries	Others	TOTALS
Dean's Office		1							2		3
Economics		6	4	9	9-1/2		28	2	7		65-1/2
English	2	6	12-1/2	20	5-1/2	12-1/2	24		5		87-1/2
Journalism		1	1	2					1		5
P.H.E.		2	4	7	3	1	5	6	3	4	35
French		8	6	7	8-1/2	2	16		3		50-1/2
Secretarial Science		1	2		2	1					6
Sociology			3	8	1	-1/2	24	6	2-1/2		45
TOTAL	2	25	32-1/2	53	29-1/2	17	97	14	23-1/2	4	297-1/2

\* In nearly all cases, these appointments are for a period of eight months of the year.



## MIDDLESEX COLLEGE

### Report of the Associate Dean

Professor M. K. Inman

During the "transition year", 1968-69, several noteworthy developments took place in Middlesex College. Dr. R.N. Shervill who was appointed Executive Assistant to the President assumed the duties of his new office on a full-time basis in October, 1968, but remained officially Dean of the College. Dr. M.K. Inman was named Associate Dean for the months October 1, 1968 to June 30, 1969, inclusive, at the termination of which period Middlesex College as a separate academic and administrative entity ceased to exist. Accordingly, the titles Dean and Associate Dean of Middlesex College lapsed.

#### Students and Staff:

The total number of students at Middlesex College for the year was 1496, including 153 registered as graduates. The number of full-time graduate students, exclusive of those in the qualifying year, was 101. The total faculty and supporting staff was 103, including several joint-appointments with other Faculties and Schools, but excluding Research Assistants.

#### Physical Facilities:

With respect to physical facilities, during the year significant new equipment was installed in the Middlesex College Theatre. The recently obtained projection facilities include a motorized 12 ft. screen, a 9' by 22' cinemascope screen, and two IVA 1510 Xenon Lamp 16 mm. film projectors equipped with change-over facilities, thus making possible continuous operation. The new projectors and wide screen acquired in 1968-69 make Middlesex College Theatre the only one on campus equipped to function as a professional cinema. Doubtless the availability of these modern devices will enhance the demand (always quite strong) for the use of Middlesex College Theatre.

The acquisition of the Collip Laboratory served to relieve somewhat the pressure for space. Reference to this matter will be made in the section describing the activities of the Psychology Department.

#### Departmental Activities:

Of the three departments housed in Middlesex College, two, Geography and Psychology, are integral parts of the newly formed Faculty of Social Science; the third, Spanish and Italian, belongs in the Faculty of Arts. Therefore, it might be argued appropriately that Dr. N.L. Nicholson, Acting Dean of Social Science, should report on two of them and Dr. J.G. Rowe, Dean of Arts, on the other. During the year 1968-69 however, all three departments have worked in close association with the administration of Middlesex College. Consequently, a brief account of their activities is set forth in this Report.



## DEPARTMENT OF GEOGRAPHY

For the Geography Department, 1968-69 was indeed a year of "transition". In the first place, the Department operated under a new Chairman, Dr. V.W. Sim, who proved to be a worthy successor to Dr. E.G. Pleva. The latter retired as Chairman in July, 1968, for the purpose of devoting his entire time and energy to teaching and research. In the second place, the Department had to make certain adjustments with reference to its integration into the new Faculty of Social Science. This process proceeded smoothly under Dr. Sim's capable leadership.

### Teaching Activities:

A significant increase in enrolment for 1968-69 indicates a healthy growth in the Department. The total undergraduate course registrations in Geography increased to 1024 (from 743 in 1967-68). This 38 percent rise can be largely attributed to a substantial increase in enrolments in Geography 20 (as a result of the addition of an extra lecture section) and to the addition of two new Geography courses in the General Program (Geography 40: Political Geography and Geography 47: Historical Geography). In addition to undergraduate course registrations, there were 122 in the graduate area.

Two senior members of the Department were on study-leave during the first term of the academic year. Professor R.W. Packer continued a program of research into the physical processes at work on the eroding Lake Erie shore bluffs, east of Port Stanley. Between September and December, he visited many University Departments of Geography in the United Kingdom and attended a conference on Urban Climates in Belgium. Dr. A.K. Philbrick, accompanied by his wife, Dr. E.M. Bjorklund, undertook a six-month tour of the Far East and Africa. They carried out research in the differing culture patterns in Japan, Ceylon, India and several African states.

The Department was fortunate to have as visitors, Professor Alice Coleman and I.H. Davis. Professor Coleman, a land use expert on leave from King's College, University of London, was at the University during the period September to April. Professor Davis, a Geomorphologist from the Department of Geography, University of Queensland, Brisbane, Australia, was with the Department for the Fall term only.

### Research Activities:

The major research undertaking of the Department continued to be the Erie Project, a program to construct a spatial data bank for the four-county area surrounding London. The summer of 1968 was the second of three in which over 20 full-time student research assistants collected, coded and stored information on a variety of physical, economic and cultural and historical aspects of the area. The work is supported by the Regional Development Branch of the Ontario Department of Treasury and Economics. The total financial support for the project will amount to approximately \$250,000.00 over three years.

In addition to its normal on-campus teaching and research activities, the Department conducted the annual field camp for senior undergraduate and graduate students. This year, the event was held in the Owen Sound area in late September. Over 80 staff members and students participated.



It should be noted also that the second and third issues of the joint student-faculty publication, Ontario Geography, appeared during the year. An increasing circulation and a steadily improving professional standard has made this a journal of which the Department can be proud.

#### Space:

As a result of corresponding and pressing requirements of other Departments, no additional office and research space was assigned to Geography in the 1968-69 year. While sufficient offices were available for all members of the teaching staff, the offices are much too small and fail to meet the needs of the faculty Geographers. No faculty research space is available within the Department. There is a continuing and pressing need either for larger staff offices or for additional staff research facilities.

### DEPARTMENT OF PSYCHOLOGY

Under the energetic Chairmanship of Dr. Mary J. Wright, the Department of Psychology continued to play a large and expanding role in the academic program of the University, both in teaching and basic research.

#### Teaching Activities:

The enrolment statistics reflect the magnitude of the Department's contribution in the teaching field. During 1968-69, the figures for courses taught were as follows: Undergraduate 4,900 (an increase of 11.3 percent over 1967-68), and graduate 115. These data are based on the number of students who completed the year; hence they are lower than the figures quoted by the Registrar which include drop-outs.

The Department was fortunate in having Dr. Graham Foulds, Medical Research Council, University of Edinburgh, on its staff during the year. Dr. Foulds was a Canadian Commonwealth Scholar. (For a list of other Visiting Professors, see Appendix "E").

#### Research Activities:

The extensive research activities in which the Department was involved are indicated by the large volume of research grants obtained and the list of publication by its members. (See Appendix "D").

Research funds administered by the Department amounted to \$266,403.00. This was approximately \$53,000.00 more than the total of such funds in the previous year. The money was obtained from both Non-University and University sources. Of the former, the National Research Council provided 14 grants, the Medical Health Foundation 9, the Medical Research Council 4 (two of which were administered by the Physiology Department) and the Canada Council 4. Eighteen grants, totalling \$7,000.00 were received from University sources.

#### Other Activities:

During the year, the Department conducted a Colloquia in which Professors from seven other Universities participated. A three-day Mini-Convention was held during Study Week, February 26-28. The first two days were devoted to the reading



and discussion of sixteen scientific papers. Ten of these were presented by staff members and six by graduate students. The third day was devoted to a discussion of education, the McPherson, Hall-Dennis, and other reports. Both staff and students presented position papers for debate. All sessions were well attended, and the Convention was considered to be an outstanding success.

As shown by the list of Scholarly Addresses (Appendix "C"), members of the Department were instrumental in effecting an exchange of ideas among their counterparts at other Universities. In this regard, the most notable event was Dr. Mary Wright's Presidential Address delivered before the Canadian Psychological Association at York University, Toronto.

Space: (Laboratory and Teaching):

Insufficient and widely separated laboratory space continued to be the Department's most serious problem. In the Summer of 1968, the laboratories were located in seven different buildings. However, by September this number was reduced to four.

In the Spring of 1968, the government approved a capital grant for the development of Psychology laboratories in the Collip Building and in a new Staging Building. The work of remodelling the Collip Building began in mid-August and the Department began to occupy this building in late September. This space was utilized for work in Psychophysiology, Psychopharmacology, and Animal Learning. Construction of the Staging Building was not begun until September and, at time of writing, this facility is still not ready for occupancy.

Detailed plans for a new Psychology building were submitted in August, 1968. The proposal for a Psychology building was given first reading in Senate during the Summer. In September, a recommendation from SCUD that space for Psychology should be provided in a new Social Science Complex received Senate approval. Hence, second reading (September 12), and third reading (September 27), of what had started out as the proposal for a Psychology building, was given as a proposal for the First Phase of a Social Science Complex.

As a result of this action, the proposal from Psychology had to be referred to the new (and not yet fully organized) Faculty of Social Science for approval. A new Social Science Faculty Committee on the First Phase of the Social Science Complex was finally established. This Committee is still working on the plans for the building.

In September, priorities with respect to the building program for the immediate years ahead were approved with the First Phase of the Social Science Complex appearing at the top of the list. By October 11, it had dropped to second place with a proposal for a new Music Building placed ahead. A strong protest was made to Senate, but this seemed to have little influence. At the time of writing, priorities are once again being reconsidered in the light of a reduction in the anticipated capital funds approved for the expansion program.

Although adequate space has been forecast in the proposed new Social Science Complex, at present it is difficult to predict when the Psychology Department can expect to have all of its facilities under one roof. As long as it must have laboratories in many different locations, the cost of duplicating services and support staff increases, the proper supervision of graduate students continues to be exceedingly difficult, and communication among the various groups in the Department becomes ever harder to maintain.



## SPANISH AND ITALIAN

The Department of Spanish and Italian completed the second year of its existence on June 30, 1969. During the year, under the able guidance of its Chairman, Dr. W. Flint, this emergent Department has exhibited a healthy development. It now has a staff of nine full-time members, three part-time and five teaching fellows.

### Teaching Activities:

The enrolment figures reflect the continuing growth in Hispanic-Italian studies. In 1968-69, the Department offered 20 undergraduate courses, taught in 33 sections, with an enrolment of 661 students. The Department's teaching program also included four graduate courses which had a registration of ten students.

As was to be expected, the most striking increase in growth took place at the lower levels. A year ago, Spanish 2 had an enrolment of 193 while this year it was 251. Italian 1 rose from 49 to 72 in the same period.

### Research Activities:

During the year, ten members of the Department were engaged in research on various topics.

### Other Activities:

The Department acted as host to the Colloquium on Post Civil War Spanish poetry which was held in conjunction with the winter meeting of the Ontario Chapter of the American Association of Teachers of Spanish and Portuguese. This event marked the first time that a group of internationally known Spanish poets had met in Canada for a day of talks and discussions on contemporary poetry. Professor López-Pacheco, a Visiting Professor in the Department, was one of the participants in the program which was ably organized by Professor J. Asensio.

A major contribution to the future of the Department was made during 1968-69 by Professor A.M. Martí, who spent part of the Summer in Madrid and Barcelona doing intensive work purchasing books for the Lawson Library. I would like to add that, during the last two years, his energy and dedication has caused our library holdings in the field of Hispanic Studies to grow from some 1500 volumes to a present total of over 6000. Since the future growth of the graduate program in Spanish depends mainly on an adequate collection in Lawson Library, the value of Dr. Martí's contribution is certainly obvious.

Additional evidence of the growing significance of Hispanic Studies at the University of Western Ontario is apparent in that, for the first time, the Spanish Club produced a play which was in reality a delightful presentation of drama, music and recordings. The play, under the ingenious direction of Mr. B. Munn, ran for two nights and was a resounding success.

### Miscellaneous:

In addition to teaching and research directly related to their respective disciplines, members of all three Departments, Geography, Psychology, and Spanish and Italian, contributed greatly to the development and welfare of the University as a whole. All three were deeply involved in the 1968 Summer School and are similarly committed for 1969. They have participated in joint projects, e.g., the



Program for Urban and Regional Research, Psychology-Physiology Investigations, and the Inter-American Studies Program. The large number of committee memberships, both Faculty and University, also indicates the extent to which these departments have shared in the over-all operation of the University.

As mentioned elsewhere in this Report, in addition to classroom instruction, the lists of Publications (Appendix "B") and Scholarly Addresses (Appendix "C") together with the statement regarding research projects issued by the Comptroller reflect the high level of academic activity carried on by the three Departments.

Conclusion:

As Associate Dean, I wish to express my appreciation of the co-operation I have received from Department Chairmen, faculty members, and the Dean's office staff. I am heavily indebted to Dean R.N. Shervill for his sage advice, so readily given when requested, upon which I relied from time to time. My special thanks must go to Miss Ileen Sullivan whose secretarial capabilities, knowledge of Middlesex College's operation and cheerful disposition contributed immeasurably in facilitating the work of the Dean's Office.



# TALBOT COLLEGE

## Report of the Dean

Professor Gordon H. Turner

Talbot College's third and final year was one of metamorphosis. While each department remained in the College for administrative purposes, all future planning, budgeting, recruiting and development of educational policy was conducted through either the new Faculty of Arts or the new Faculty of Social Science. The departments of Classics, Fine Art, German, Philosophy and Russian Studies became part of the Faculty of Arts, under the leadership of Dean Rowe, whereas the departments of History and of Political Science joined the Faculty of Social Science under the leadership of Acting Dean Nicholson.

No Talbot College faculty meetings were held this year but previously-established committees cheerfully carried on with their assorted duties. For all but the Research Committee, however, responsibilities tapered off throughout the year as the new faculties organized and began their work. Members of faculty of Talbot College were not only well represented on the Committees of the new faculties but were carrying their share and more of the responsibility on University-wide bodies such as the Board of Governors, Senate and Faculty Association and their respective committees in which, of late, the pitch of activity has been particularly intense.

Appendices A to E provide detailed information concerning, respectively, Staff Changes, Publications of the Faculty, Scholarly Addresses and Papers Presented by Faculty, Schedule of Research Funds, and finally, Visiting Professors and Lecturers.

As a cursory examination of Appendix B will attest, much scholarly activity came to fruition during the past year in the publication of fourteen books and forty-four articles, exclusive of reviews. Even the smallest departments were represented in this outpouring which ranged from two, in Fine Art and in Russian Studies, to twenty-seven in History, all of which was accomplished while coping with the inexorable increase in the numbers of students to be taught as well as with the unusual demands laid upon faculty time by a university in the process of reorganization.

To the delight and stimulation of faculty and students alike, the College was favored this year by the presence of several distinguished visiting professors: Professor Richard Samuel of the University of Melbourne in the Department of German, and in the Department of Philosophy, Professor Romane Clark of Duke University and, part-time, Professor C.D. Rollins of the University of Connecticut and Professor Hector Castaneda of Wayne State University, and in the Department of Political Science from January 1, Professor Henry Albinski of the University of Pennsylvania. The College also gave, as well as received, by permitting Professor R.E. Butts to spend the fall term as a visiting professor at the University of Illinois.

One of the academic highlights of the past years has been the Fall Colloquium conducted by the Department of Philosophy, proceedings of which are subsequently published. In November many outstanding scholars visited Western to present papers and participate in discussion on the topic of "Agent, Action and Reason". In similar vein, the Department of History, in collaboration with Althouse



College of Education, conducted a two-day conference for ninety high school teachers of history to acquaint them with recent developments in their discipline. A highlight of a different sort has been the series of exhibitions of contemporary art presented in the cloister of Talbot College, thanks to the influence and energy of Professor Urquhart of the Department of Fine Art.

As a reminder of the arbitrariness of all attempts to categorize academic disciplines or otherwise cut the whole cloth of knowledge it may be of interest to record that the Department of History decided to join the Faculty of Social Science rather than the Faculty of Arts only after much debate and by the narrowest of margins.

While members of faculty were experiencing a shift in identification from college to newly-formed faculty, students, especially those comprising the graduation class, were experiencing a closer identification with Talbot College than hitherto. Their graduation banquet was unique, not only because it was both the first and last, but also because it was planned by a committee on which students outnumbered staff by two to one. The hard work and infectious enthusiasm of the students did much to turn the event into an outstanding and thoroughly enjoyable one, not only for those it was meant to honor, but for the few members of faculty and administration who were privileged to attend.

Events such as this and others cited above can not be captured by statistics. Neither can the life of the College. While only a short three years, its life has been neither dull nor insignificant and it has exhibited certain qualities which may at least be pointed toward or hinted at. If it produced sharp critics of university policy it also contributed many who were willing to share the burdens of responsibility. It provided its full share of distinguished and highly productive scholars as well as a cadre of innovative and dedicated teachers. The Theatre and the Department of Fine Art added their own rich dimensions. More than anything else it created an atmosphere at one and the same time intellectually exciting and congenial, one of serious concern and intense debate yet of mutual acceptance and support, an atmosphere in which, perhaps, a community of scholars could develop. Fortunately, all those members of faculty who provided the growing points are still there and their constructive influence will continue to be felt within their respective new faculties.

It has been a great privilege to work with, and for, the faculty and students of Talbot College. The support of department chairmen and faculty alike has been unswerving as has the loyalty and quiet dedication of the supporting staff. Not least among the rewards has been the opportunity to work with, and for, so many students. They have been a joy and have taught me much. I am deeply grateful to all those who made this tour of duty possible as well as to the many more who have helped to make it so worthwhile.



## FACULTY OF MUSIC

### Report of the Dean

Professor Clifford von Kuster

As a result of the re-organization of the Faculty of Arts and Science in July, 1968, the College of Music became a separate Faculty containing the four departments of Theory and Composition, Music History, Music Education and Applied Music.

Enrolment reached a total of 203 degree students in Music plus some 340 Arts and Science students registered in credit courses in Music. In July, the Ontario Council of Graduate Studies ratified the Master of Music program to be offered in Theory, Composition, Music Education and Performance, and the Master of Arts in Musicology. One graduate student was registered in the Performance area this season.

The present enrolment severely taxes our physical facilities and it has been recommended to the Senate Committee on University Development that Music be re-located on campus in enlarged facilities as soon as possible. As an interim measure, a request has also been submitted for more emergency space in our present location. A faculty committee is studying the feasibility of limiting enrolment in Music during the next couple of years and the possible ways of doing so. One of the problems to be solved, if such a measure is taken, is the preservation of a healthy balance of enrolment in the various instruments and areas of concentration. Another factor which makes limited enrolment undesirable is that there are relatively few Canadian universities offering fully-developed Music programs, and many qualified students may have to seek admission to programs in other countries.

#### MUSIC HISTORY DEPARTMENT - Professor G.K. Greene, Chairman.

The Collegium Musicum Instrumental Ensemble was formed this year to study early performance practices on old instruments. The Ensemble met regularly for rehearsal throughout the year and performed two "demonstration concerts", one at the London Public Library and Art Gallery, and the other at the Faculty of Music. It is the aim of the Department to expand the old instrument collection and, in time, to acquire faculty who will be able to direct advanced study on the instruments.

The Music History Department assumed responsibility for the second symposium sponsored by the Past Presidents' Association of the Ontario Music Educators' Association to be held on our campus in January, 1970. Professor Stark has been chairman of the committee and has arranged an interesting program, including participation by some very eminent scholars. The majority of the organizational work has been done during the past year.

The Department has given considerable thought during the past year to revising the service courses for Arts and Science students on campus. A second section of Music 20Y was created this past year and weekly listening laboratory assignments were made a regular part of this course. Registration in Music 20Y increased from about 100 to 285 this year.



Two field trips were arranged for Music History majors, one to the Eastman School of Music in Rochester, New York, in November, at which time eight students did bibliography work there and attended the meetings of the New York Chapter of the Music Library Association at Cornell University; during the second trip, five Music History majors attended the meetings of the American Musicological Society at Yale University for five days during Christmas holidays.

Many important collections of books and scores were added to the Music Library during the past year in order to support both the undergraduate and graduate offerings in Music History.

#### MUSIC EDUCATION DEPARTMENT - Professor D. McKellar, Chairman

This academic year was one used to consolidate all courses throughout the four years of Honors Music Education. The evaluation of the program resulted in the recommendation of an expanded choral program with greater emphasis on the individual singer and the recommendation for an enlarged Music Education faculty capable of handling more specialized areas. This represented the step needed for the implementation of the new graduate program.

A highly successful "Open House" was organized by Professor Paul Green. Over one hundred secondary school students along with many secondary school music teachers attended this new event and, judging by the enrolment for the next academic year, the Open House was a resounding success.

A new course designed by the Music Education faculty specifically for the development of more effective elementary school music teachers was passed by the Senate and its implementation will be 1969. This is the first course of its kind in Canada.

At the end of the year Professor Paul Green became acting chairman of the Department when Professor McKellar was appointed Associate Dean of the Faculty.

#### THEORY AND COMPOSITION DEPARTMENT - Dr. C. Haenselman, Chairman

Departmental meetings were held every two weeks during the academic year to consider the effectiveness of new pedagogical approaches, general curriculum revisions and modification of examination procedures. A decision was made to abandon the use of a single text book next year and to establish an extensive reference shelf with multiple copies.

In composition courses, students were exposed to a well-balanced diversified approach which culminated in the performance of several worthwhile projects. Both conventional techniques and avant-garde styles were explored with second year students especially emphasizing the analysis of contemporary composition.

Faculty composers made an excellent showing. Professor Clements was commissioned by First-St. Andrews Church choir to write a "Te Deum" for choir and organ which was performed during the Festival of Church Music in April. His "Cloud of Unknowing" was performed by the London Symphony Orchestra in their regular concert series in Centennial Hall. Professor Clements was again invited to undertake a project with Grade XIII music students at G.A. Wheable Secondary



School involving electronic music. Professor Arsenio Giron had five works, including pieces for choir, small ensembles and orchestra, published by "The Contemporary Music Project" of University Microfilms. His "Silhouette", written especially for the U.W.O. Symphonic Band was performed by that group and his "Disparities and Differences" was played in Rochester, New York, by the Eastman Brass Quintet, as well as by our brass ensemble. The latter work is scheduled for publication in the Montreal Brass Quintet Series. Professor Arnold Rosner had six of his pieces "read" with a view to future programming. These included an orchestral piece, two string quartets, a violin sonata, a cello sonata and a solo aria. Professor Haenselman composed an "Overture" for the Clarke Road Secondary School Band.

#### APPLIED MUSIC DEPARTMENT - Professor J. McIntosh, Chairman

Professor McIntosh was on sabbatical leave this year and was engaged in doctoral course work at the University of Rochester. During his absence the administration of the Department was shared by Professor R. Skelton, Dean von Kuster and other members of the faculty.

The following is an outline of the numbers of students majoring in the various musical instruments.

Piano	103	Violin	7
Viola	1	Cello	2
Voice	11	Organ	15
Trumpet	14	Flute	4
Trombone	10	French horn	5
Tuba	4	Clarinet	14
Oboe	2	Percussion	3
Classical guitar	1	Saxophone	1

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Total:197

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#### CONCERT SERIES

Approximately 45 concerts by students, faculty and guest artists were presented under the auspices of the Faculty of Music. Most took place in the Annex of the A.E. Silverwood Building. A number were given in Talbot Theatre, Alumni Hall and Althouse College of Education. In addition a special series of four afternoon concerts was presented in the London Art Gallery.

About twelve student solo programs were given and the chamber ensemble program developed a number of groups which included keyboard, string and wind instruments. There were four student string quartets, four woodwind ensembles and four brass quintets. The inclusion of several other groups of unusual instrumentation is indicative of the maturity and scope of the chamber ensemble program.

The following faculty recitals were presented:

October 15, 1968	Tsuyoshi Tsutsumi, unaccompanied cello
December 6, 1968	Ralph Aldrich, viola; Damiana Bratuz, piano
December 10, 1968	Tsuyoshi Tsutsumi, cello; Damiana Bratuz, piano
February 4, 1969	Antonia Mazan, piano
February 9, 1969	Charles Dalkert, bass trombone; Damiana Bratuz, piano



February 14, 1969	James Stark, tenor; Pauline Aldrich, piano
March 5, 1969	Philip Murphy, clarinet; Damiana Bratuz, piano
March 14, 1969	Chamber recital: Damiana Bratuz, piano; Ralph Aldrich, viola; Robert Skelton, violin; Tsuyoshi Tsutsumi, cello
April 29, 1969	Chamber recital: Pauline Aldrich, piano; Robert Skelton, violin; Ralph Aldrich, viola; Joan Hysen, violin; Betty Tracy, cello

Guest artists presented by the Faculty of Music during the season included the following:

October 8, 1968	William Pengelly, piano
November 12, 1968	Gwen Beamish, piano
November 19, 1968	Elizabethan Consort of Viols from London, England
January 7, 1969	George Black Singers
March 11, 1969	Peggy Sampson, gamba and cello, assisted by Larry Cortner and Tsuyoshi Tsutsumi
March 18, 1969	George Black Singers

Violinist Oscar Shumsky gave a string master class with six student performers participating.

The U.W.O. Faculty String Quartet performed over 20 times this season and played in about 15 elementary and secondary schools in London, St. Catharines and Owen Sound, as well as appearing with the London Chamber Music Society in the new Aeolian-Town Hall.

The Faculty of Music Brass Choir, conducted by Professor Paul Green, performed in London and Windsor. The programs included several larger works involving the Concert Choir.

#### The U.W.O. Choir

The U.W.O. Choir under the direction of Professor Gordon Greene presented a Christmas Concert as one of the Sunday Nine O'Clock series. In January Professor Greene was invited to conduct the London Symphony Orchestra and the U.W.O. Choir in performances of Haydn's "Lord Nelson Mass" and Clements' "Cloud of Unknowing" in the regular orchestral series. The choir hosted the Intersarsity Choral Festival in February and gave a Spring Concert in Talbot Theatre which was scheduled for two performances. A tour of Ontario was completed in May during which the choir sang to about 11,000 people in 12 concerts spread over six days.

#### The U.W.O. Symphony Orchestra

The U.W.O. Symphony Orchestra conducted by Professor R. Skelton performed at the University of Waterloo in their Sunday afternoon concert series. The orchestra also presented a concert under the auspices of the U.W.O. Sunday Nine O'Clocks and a full evening concert plus two noon hour programs in Talbot Theatre. They assisted in the Intersarsity Choral Festival in February and gave three sessions of "readings" of student compositions at the Faculty of Music.



The U.W.O. Symphonic Band

The U.W.O. Symphonic Band conducted by Professor D. McKellar performed at Autumn Convocation, gave three noon hour concerts in Talbot Theatre and a full scale evening concert in Alumni Hall as part of the Sunday Nine O'Clock series. This organization continues to stress the performance of contemporary literature written specifically for symphonic band.

Visiting Professor of Cello, Tsuyoshi Tsutsumi

Professor Tsutsumi continues to perform on an international scale. CBS-Sony has released two recordings of his playing and WERGO Platten in Germany has prepared a tape for a third recording to be released next year. Of the more than two dozen recitals and concerts with orchestras around the world which Professor Tsutsumi has given this season, the following are perhaps of special interest:

July, 1968	Appearances in Tokyo as soloist with the NHK Radio and Television and with the Tokyo Symphony.
January 8, 1969	Performance and recording of Lukas Foss Cello Concerto with Berlin Radio Symphony, conducted by the composer.
January 31, February 2	Recitals in Boston, Massachusetts.
February 18	Radio recording, Graz, Austria.
February 22	Concert with the Orchestra Philharmonique in Paris, France.
March 22	Guest soloist with the Toronto Symphony Orchestra at the U.W.O. Spring Festival.
April 25	Performance with Japan Philharmonic Orchestra at the Osaka International Festival (recording to be released by CBS-Sony).
April, May	Six recitals in Greece including an appearance with the State Orchestra in Athens.

As a dedicated and inspiring teacher, Professor Tsutsumi continues to make an important contribution to the development of our school.

FACULTY ADJUDICATORS, EXAMINERS AND SPECIAL LECTURERS

Members of faculty continue to be active as adjudicators, examiners and special lecturers. The following is an outline of some of these activities:

Dr. D. Bratuz adjudicated the piano classes at the Edmonton Kiwanis Festival and gave a special lecture to the Stratford Branch of the Ontario Registered Music Teachers' Association. In June Dr. Bratuz taped a recital program for CBC for broadcast at a later date.



Professor Paul Green adjudicated music festivals in Toronto and Midland. He was also active as a guest conductor in Toronto and Vancouver. As a member of the Music Education Committee of the Canadian Association of University Schools of Music he contributed a paper on graduate programs in music. Professor Green represented the Faculty of Music at the "Contemporary Music Project" in Rochester, New York, and as chairman of the Past Presidents' Council of the Ontario Music Educators' Association he assisted in the preparation of "Symposium II - The Baroque", a project to be hosted by the University of Western Ontario in 1969-70.

Professor R. Skelton was the adjudicator of string classes and orchestras at the music festivals in St. Thomas and St. Catharines.

Professor G. Greene adjudicated at the St. Thomas and Edmonton music festivals, served on the Advisory Board of Fanshawe College and instructed in Choral Literature and Technique at the Alberta Government Music Workshop for two weeks in August.

Professor D. McKellar was a music examiner for the University of Manitoba and adjudicated music classes in festivals in Winnipeg, Manitoba and Cornerbrook, Newfoundland. He was also appointed conductor of the International Symphony Orchestra of Sarnia-Port Huron. Professor McKellar continues to serve as national secretary to the Canadian Association of University Schools of Music.

#### Canada Council Awards

Canada Council Awards were made to the following three members of faculty:

Antonia Mazan, for summer piano study in Vienna and Lucerne.

John McIntosh, for pursuing doctoral course work at the University of Rochester.

Gordon K. Greene, for summer research in musicology in Paris, France, where he was engaged in transcription and analysis of several late Ars Nova French secular pieces.

#### MATTERS OF GENERAL INTEREST

Professors Skelton and Aldrich were invited to participate in the opening concerts of the National Arts Centre in Ottawa as members of the orchestra.

Dean von Kuster was the Honorary Patron at Spring Festival '69.

Two undergraduate students, Tom Wright and Peggy Hills, were admitted to the National Youth Orchestra for its 1968 summer tour; and Fujiko Imajishi won the Montreal Symphony competition, the prize for which includes a future engagement with the orchestra.

In acknowledging gratefully the assistance and co-operation which the Faculty of Music has received from all sectors of the university community, special thanks must go to University Librarian, Dr. J. Talman, for the excellent support he and his music staff, under the supervision of Mr. Larry Lewis, have given our program.



## HEALTH SCIENCES

### Report of the Vice President

Dr. O. H. Warwick

Within the Health Sciences the year 1968-69 has been one of great activity crowned, in June, by the award of the contract to build the University Hospital. The reports of the Deans of Medicine, Dentistry and Nursing indicate our concern about curriculum, new programs, increasing enrolment and teaching facilities. Above all, it seems fair to say that pervading each of our faculties is a more active awareness of our position and responsibility within the community.

At the beginning of this century, the healing arts were, in truth, largely art and little science. Today the situation is reversed and it is most difficult to keep knowledge and practice apace. At the beginning of the century, the public knew little about health care whereas today it is highly sophisticated. Rightly, it demands that the highest standards of care be available to all citizens but such demands, of course, mean more man-power, more facilities and more money.

Until recent years, health care was largely a matter of individual effort in the home, the doctor's office and in hospital, but today it is largely team effort. Moreover, government, by reason of financial and political pressures, is taking more and more unto itself responsibility for the public's health. The elements required to make this system work present financial problems which are usually beyond the capabilities of individual effort, private enterprise and the voluntary purse. And government, having accepted the reins of responsibility, claims to support a voluntary health care system yet at the same time exercises increasing control over health matters in each of our communities. Public funds are being spent and public funds must be accounted for.

Universities with Health Sciences facilities traditionally have the responsibility for the education of health personnel and, along with this, the responsibility for conducting research into all aspects of health and disease. If these were our only responsibilities, life would be a little easier than it is but the hard fact remains that medicine, dentistry, nursing or any other of the health disciplines cannot be taught in isolation from the sick. We depend greatly on our affiliated hospitals for clinical teaching and in this way are drawn inevitably into all aspects of health services to patients. As a consequence, the financing of our university health science centres involves government at various points and levels. For research funds we deal primarily with a federal agency, the Medical Research Council. For the support of education and the construction of new facilities on campus, we deal with the provincial Department of University Affairs and in matters related to patient care we deal with the Department of Health and the Ontario Hospital Services Commission. If all this poses a problem for us, it is equally true that it presents a problem for government. This was early recognized and a senior committee of the provincial government meets weekly to ensure co-ordination.

Several years ago the provincial government created what is known as the Ontario Council of Health which was given the responsibility of advising government on Ontario's total health care program. The province's program of hospital insurance and medical services insurance is not of the Council's making. Its interests extend beyond this, in recommending what will be necessary to keep these programs viable,



efficient and of the highest possible standards. No formal reports have as yet been forthcoming from the Council of Health but recent pronouncements by the province's Department of Health indicate the direction we shall be following for the next ten years.

Approximately \$65,000,000 will be made available each year for ten years, ". . . for health man-power development and measures to improve the availability of health services and the quality of health care."

Some \$200,000,000 will be required for on-campus development and \$400,000,000 for the construction and modernization of affiliated teaching hospitals. During this period another health sciences centre will also be added to those situated at Ottawa, Kingston, Toronto and London and the centre now under construction at McMaster University in Hamilton.

Every effort and device will be used to obtain a better distribution of health personnel. Under-serviced areas continue to be a problem. Special assistance will be given to physicians, dentists and nurses who are prepared to work in such areas and undoubtedly we shall see here consolidations of available personnel and facilities. It seems important that the highest standards of care be available, even though patients may have to travel some distance.

It is agreed by all that we must seek alternative methods of delivering health care. Money will be provided to set up new demonstration projects where new ideas will be carefully tested to ensure adoption of the most effective and economic measures.

Finally, it would seem that future planning and development will be regionalized and that the regional systems will be based, in southern Ontario, at the health science centres previously mentioned. In northern Ontario, the focal points will probably be at Sudbury and the Lakehead.

To be an important and essential part of such a rapidly expanding program of service to the people of Ontario is an exciting and rewarding experience for a university.



# FACULTY OF MEDICINE

## Report of the Dean

Dr. D. Bocking

### INTRODUCTION

The Faculty of Medicine joined with the rest of the University in extending its congratulations to the Faculty of Dentistry on the occasion of the opening ceremonies of the new Dental Sciences Building on October 25, 1968. All members of the Health Sciences at Western welcomed this important addition to the developing Health Sciences Centre.

The Faculty of Medicine recognized also with special pride the appointment of Dr. R.J. Rossiter to the position of Vice-President (Academic) and Provost.

### FACULTY

Members of Faculty shared with his family their bereavement at the untimely passing of Dr. Hugh T. McAlpine on May 31, 1969. Dr. McAlpine was beloved by his patients, was an outstanding teacher, and a highly respected colleague in the Department of Medicine. He had been a member of Faculty at Western since 1949.

The retirement of Dr. J.B. Robinson as Medical Director at the Beck Memorial Sanatorium effective August 31, 1968, marked the end of a distinguished career in the tuberculosis field, and an outstanding contribution to the Sanatorium.

The retirement of two other senior members of Faculty was recorded also with regret. Dr. A.E. Mowry retired as Clinical Associate Professor of Obstetrics and Gynaecology on June 30, 1969, after an association of over 36 years with the Department of Obstetrics and Gynaecology of this University. Dr. P.P. Hauch also retired from his positions in the Department of Anatomy and the Department of Diagnostic Radiology after having served on the Faculty as a part-time teacher since 1949.

In the spring of 1969, it was announced that Dr. David T. Armstrong had been awarded a Medical Research Council Associateship. Dr. Armstrong joined the Department of Obstetrics and Gynaecology and the Department of Physiology in September, 1968.

Members of Faculty continued to assume their share of responsibility on Senate and its committees, on the Board of Governors, and on various University Committees and Councils. Dr. J.A.F. Stevenson served as Chairman of the Senate Committee on University Development and as a member of the Board of Governors. Dr. H.B. Stewart was a member of the Senate Budget and Finance Committee. Dr. M.L. Barr served on both the Senate and the Board of Governors. Drs. J.M. Parker and Dr. J.C. Rathbun also were members of Senate.

Many members of Faculty held important posts in local, provincial and national organizations as well as serving on editorial boards of national and international journals, and on research review boards.



The following members of Faculty have received special honors and distinctions, or have achieved international recognition during the past year.

Dr. M.L. Barr -	L.L.D., Dalhousie University Medal of Service, Order of Canada
Dr. C.F. Robinow -	President, Canadian Society for Cell Biology
Dr. J.A.F. Stevenson -	Fellow of the Royal Society of Canada President, Biological Council of Canada
Dr. J.H. Walters -	President, Ontario Medical Association

### EDUCATION

In September, 1968, 77 students were admitted to first year Medicine from a group of 541 applications. Three students were admitted with advance standing into the third year of the medical program. These included two Czechoslovakian refugee medical students and one medical student from Uruguay.

One of the second year medical students was the first to participate in the combined M.D.-M.Sc. program, when she interrupted her medical program to spend a year in the Department of Pharmacology enrolled as an M.Sc. student.

Advice was received during the year, that all the final year students, graduating in the spring of 1968, were successful in passing their Medical Council of Canada examinations.

In December, the Faculty of Medicine underwent two important surveys - one concerned with undergraduate medical education, and the other with post-graduate medical education. From December 9 to 12, 1968, the school was visited by a six-man team representing the Liaison Committee on Medical Education, which acts on behalf of the Association of Canadian Medical Colleges, the Association of American Medical Colleges, and the American Medical Association. Subsequently, the President of the University received the Committee's report which advised that continued approval as a fully accredited medical school was granted as of December 12, 1968.

The second survey was conducted by a two-man team representing The Royal College of Physicians and Surgeons of Canada. This survey of post-graduate training programs in the Faculty of Medicine and its affiliated teaching hospitals gave approval to all the present residency training programs.

During the course of the year, the Curriculum Policy Committee was active in reviewing the present undergraduate curriculum. Interim reports noted the establishment of four subcommittees to consider the "core of knowledge" requirements and elective topics in the following four general subject areas:

1. Human Biology and Development
2. Behavioral Sciences
3. Clinical Sciences
4. Health Care Organization



The Curriculum and Timetable Committee with the approval of Faculty, introduced two-half days of unassigned time in the first, second, and third year programs, to become effective in September, 1969. This unassigned time will make it possible for students to take various elective courses, as well as providing time for study and other activities.

A further major change in the medical curriculum was the introduction of the full-year clinical clerkship in the fourth year. Beginning June 9, 1969, the fourth year commenced a forty-eight week clinical clerkship, compared to the thirty-two week clerkship in 1968-69. During this time, the student rotates through various services as well as a nine-week elective period.

The premedical requirements for admission to the Faculty of Medicine were reviewed with the Faculty of Social Science, the Faculty of Arts, and the Ontario Council of Deans of Medicine. A subcommittee of the Committee on Admissions is giving further consideration to this matter.

During the year, an ad hoc Committee composed of students and faculty, carried out an evaluation of the new integrated Neurological Sciences course.

The following new undergraduate awards and prizes have been established:

The Dr. T.H. Coffey Memorial Prize in Physical Medicine and Rehabilitation,

The Dr. R.A.H. Kinch Prize in Community Medicine,

The Abbott Prize in Anaesthesia,

The Bristol Prize in Medicine,

The Charles E. Frosst Medical Scholarships, and

The Horner Gold Medals in Ophthalmology and Otolaryngology.

The appreciation of the Faculty for the establishment of these awards and scholarships has been expressed to the appropriate individuals.

Two Medical Research Council Visiting Professors were welcomed to the Faculty in the spring of 1969. Dr. Thomas Chang of McGill University visited several basic and clinical departments from March 24 to 28, 1969. Dr. Fraser Mustard of McMaster University was a Visiting Professor with the Department of Pathology and the Department of Pathological Chemistry from March 31 to April 2, 1969. During this period, he also delivered the John A. Macgregor Memorial Lecture.

The Program in Continuing Medical Education under Dr. A.T. Hunter also had a very active year, assisting in the sponsorship of several special lectures, refresher days, conferences and special courses, as well as extending support to regional medical society programs. Much effort by the Subcommittee on Medical Educational Television, again resulted in an excellent series of half-hour television programs which were broadcast during the period January 5 to April 16, 1969 over C.F.P.L. - London, CKNX - Wingham, and WTVS - Detroit. The co-operation and support of these television stations was most appreciated.

From May 22 to 24, Western was host to a Seminar on Coronary Artery Disease sponsored by the American College of Cardiology in co-operation with members of this Faculty of Medicine.



During the year, the two-year old Medical Rehabilitation Program (Physiotherapy), continued to develop. Approval was given by the Council of the Faculty and the Senate to certain revisions in the fourth year curriculum. Senate also recommended conditions under which admission with advanced standing could be granted for persons holding a diploma in Physiotherapy or a degree in Physical and Health Education.

Advisory Committees were established to give consideration to the institution and the content of programs in Occupational Therapy and in Speech Pathology and Audiology. It is anticipated that these additional Medical Rehabilitation programs will be initiated in the next two or three years.

### STUDENT AFFAIRS

In September, 1968, five students joined the Council of the Faculty of Medicine as full participating members. These included the President of the Hippocratic Council, and one representative from each of the four years.

Student representation on the Curriculum and Timetable Committee was implemented by the naming of two students to each of the year Subcommittees. At the June Council of the Faculty meeting, approval was given to the addition of the President of the Hippocratic Council or his delegate to membership on the Executive Committee of Council.

On October 5, 1968, the Hippocratic Council sponsored a very successful seminar on "Trends in Medical Education", at which time, students and faculty from several neighboring medical schools participated, including Buffalo, McMaster, Toronto, and Western Reserve.

The University of Western Ontario Medical Journal staff received well-deserved recognition when the Journal was awarded the Journal Prize at the CAMSI annual meeting held in September 1968, in Halifax.

From November 18 to 20, 1968, Tachycardia, the medical variety show was held in Althouse College Theatre for the first time, rather than the old medical school auditorium, bringing a new level of entertainment to the campus.

In the spring of 1969, awards were made to eleven undergraduate students to hold Medical Research Council Summer Undergraduate Medical Scholarships. Another three students received Ontario Heart Foundation Summer Scholarships.

In August 1968, five students represented Western at the CAMSI Summer Field Clinic in Jamaica.

### RESEARCH

During the year, most of the Departments in the Faculty of Medicine continued to carry out a very active research program. The list of publications indicates in part the research conducted by the various departments.

Approval was received for the provision of funds from the federal Health Resources Fund and the Departments of University Affairs and of Health for the purchase of research equipment for the basic science departments in the new Dental Sciences Building and the renovated areas in the Medical Sciences Building, as well as for clinical research areas in the Victoria Hospital Health Services Building.



## CAPITAL PROGRAM

In future planning, the submissions to Senate, SCUD, and COOP, included a development proposal for additions to the Medical Sciences Building, the Health Sciences Library, the Animal Quarters, and a student area in the basement of the Dental Sciences Building.

This latter area will provide accommodation for a student games room and lounge area, as well as additional eating facilities. For the period up to the opening of the new University Hospital, a portion of this area has been allocated for University staff offices.

Planning for the University Hospital continued throughout the year, and culminated in the announcement that approval had been granted for the London Health Association to commence construction. The Faculty of Medicine joined with the other members of the Health Sciences Centre at the special ceremony on June 3, 1969, when Dr. Matthew B. Dymond, Minister of Health, turned the first sod for the Hospital. The Faculty of Medicine looks forward to the completion of the University Hospital in 1972 when much needed additional teaching beds and research facilities will then become available.

## ADMINISTRATION

During 1968-69, certain administrative and organizational changes were made in the Office of the Dean of Medicine. Dr. A.T. Hunter became Assistant to the Dean - Continuing Education, and Dr. J.H. Watson was named Assistant to the Dean in the area of student affairs, effective September 15, 1968. As of March 1, 1969, Dr. J.M. Thompson was appointed Assistant to the Dean - Postgraduate Education.

Effective November 1, 1968, Dr. E.R. Plunkett, who had been Acting Chairman, was named Chairman of the Department of Obstetrics and Gynaecology for a five-year term.

A Selection Committee also recommended the appointment of Dr. L.S. Carey, of St. Paul, Minnesota, as Professor and Chairman of the University Department of Diagnostic Radiology, and Head of the Department in the new University Hospital - his appointment to become effective in July, 1970. Dr. W.W. Wilkins accepted the appointment as Acting Chairman of this Department and was also named Head of the Department of Diagnostic Radiology at St. Joseph's Hospital, effective January 1969, upon the resignation of Dr. M.B. Hill from this post. Dr. John Agnos was selected as Head of the Department of Diagnostic Radiology at Westminster Hospital.

In September, 1968, the Board of Governors approved the Senate recommendation for the creation of a Department of Clinical Neurological Sciences, effective July 1, 1969. This new Department will bring together the disciplines of Neurology and Neurosurgery. The first Chairman of the Department will be Dr. Charles G. Drake, who has accepted the appointment for a five-year term. Dr. Drake will also be Chairman of the Division of Neurosurgery. Dr. H.J.M. Barnett of Toronto has been named as Chairman of the Division of Neurology in the new Department.

During the year, an ad hoc Committee was established to plan for the future of the Department of Biophysics. This Committee had representation from the Faculty of Graduate Studies, the Faculty of Science, and the Faculties of



Dentistry and Engineering Science. In its final report, it recommended that the Department of Biophysics retain its present status and administrative arrangements, that cross-appointments be made when feasible, and that members of the Department accept undergraduate teaching duties with other departments when this could be arranged. The Committee also recommended the establishment of an ad hoc Advisory Committee on Biophysics to assist in the implementation of the recommendations of the Committee.

In September, 1968, the Council of the Faculty of Medicine received the report of the Interim Advisory Committee on Immunology. In the report, the creation of a Subdepartment of Immunology within the Department of Bacteriology and Immunology was recommended. Until this can be implemented, a Departmental Committee will be concerned with the undergraduate and graduate programs in Immunology.

Another interdisciplinary arrangement was established with the appointment of an ad hoc Committee on Clinical Pharmacology with representatives from the Departments of Pharmacology, Family Medicine, Anaesthesia, and Medicine. This Committee will be concerned with teaching and research efforts in the field of Clinical Pharmacology.

During the year, an important ad hoc Committee was established to review the question of the future class size of the undergraduate medical program. This Committee was under the Chairmanship of Dr. D.C. Bondy. Its recommendations, which were approved by the Council of the Faculty of Medicine, included increasing the class size of first year Medicine to 85 students, effective September, 1969. It also recommended that the question of class size be reviewed again when information regarding the completion date of the University Hospital, expansion of the Medical Sciences Building, and construction of new children's facilities is available. It was noted that to increase the class size to 100 medical students would require an expansion of both staff and facilities.

During the year, the Medical Education Club continued to meet and sponsor programs of interest to all members of Faculty. This included a session on the use of television in medical education.

In June of 1969, members of the Faculty of Medicine assisted in the conduct of oral and clinical screening examinations for a small group of Czechoslovakian refugee physicians. This was arranged in co-operation with the College of Physicians and Surgeons of Ontario.

From December 9 to 10, 1968, a National Cancer Institute review team visited the Cancer Research Unit. The report received as a result of this survey indicated approval of the research activities carried out within this unit and commented on the excellence of the unit.

Representatives of the Faculty of Medicine participated in meetings of the Ontario Council of Deans of Medicine and its subcommittees. Dr. A.T. Hunter served as Chairman of a Subcommittee on Medical Educational Television which is studying areas of co-operation between the five Ontario medical schools. Other matters which the Council of Deans considered during the year included the principles of practice in clinical teaching units, the proposed animal care act, the clinical clerkship, research, and applicants to Medicine.



From October 20 to 22, 1968, several members of the Faculty attended a Conference on Objectives of Medical Education in Ontario at the Guild Inn in Toronto. This Conference was sponsored by the Ontario Council of Deans of Medicine, and had the support of the Provincial Department of Health.

During the year, an ad hoc Committee was established jointly with the Faculty of Nursing and the Faculty of Dentistry to consider the problems of Indian and Northern Health Services, in co-operation with the Department of National Health and Welfare. This Committee is giving consideration to the establishment of a relationship with both local and northern communities to assist in the provision of health services.

The Committee of the Faculty concerned with Medical Education and Service for Foreign Countries also continued to be active under the chairmanship of Dr. J.S. McKim. Arrangements for the affiliation agreement and exchange program with the Jawarhal Institute of Postgraduate Medical Education and Research at Pondicherry, India, were completed, in co-operation with the Federal Government.

### AFFILIATED TEACHING HOSPITALS

During the year, representatives of the hospitals and the faculty gave consideration to the teaching and research programs in the affiliated hospitals of the University. A special report was prepared for the Senior Co-ordinating Committee of the Provincial Government entitled "The Utilization of Affiliated Hospitals in the Teaching and Research Programs of The University of Western Ontario". This report assisted in the clarification of the teaching and research programs to be carried out at the new University Hospital.

During the year, Council of the Faculty approved the proposal for a new Family Medical Centre to be developed in association with St. Joseph's Hospital. This will permit further expansion of the undergraduate and postgraduate teaching program in Family Medicine.

The London Health Association and the University gave approval for the following appointments as Heads of Departments in the new University Hospital: Department of Anaesthesia, Dr. W.E.G.A. Spoerel; Family Medicine, Dr. I.R. McWhinney; Medicine, Dr. R.W. Gunton; Otolaryngology, Dr. F.J. Rounthwaite; Pathological Chemistry, Dr. A.H. Neufeld; Pathology, Dr. A.C. Wallace; Physical Medicine and Rehabilitation, Dr. M.G.P. Cameron; Psychiatry, Dr. G.E. Hobbs; and Surgery, Dr. A.D. McLachlin.

Following the retirement of Dr. J.B. Robinson as Medical Director of the Beck Memorial Sanatorium, Dr. W. Middleton served as Acting Director. In April, 1969, Dr. Owen Clarke arrived from England to assume the position of Medical Director.

### RESEARCH GRANTS

G.F. Chess (In conjunction with F.R. Calaresu)

A grant from the Ontario Heart Foundation for research into "Control systems analysis of heart rate regulation by the vagus nerves in the cat".

J.B. Critz (In conjunction with J.A.F. Stevenson)

A grant from Defence Research Board for research into "Metabolic reactions to environmental, cardiovascular, and traumatic stresses, and the influence of nutritional and other factors on these reactions".

D.T. Armstrong

A grant from Medical Research Board for research into "Regulation of ovarian sterol metabolism and steroid hormone secretion".



## FACULTY OF NURSING

### Report of the Dean

Professor R. Catherine Aikin

During the 1968-69 year, changes took place in the organization, the academic programs and the building plans.

In the spring of 1969, the name was changed from School of Nursing to Faculty of Nursing. A new Council of the Faculty was approved by the Senate. The Faculty agreed to a reorganization which will facilitate the development and co-ordination of the programs, both within the Faculty and the University and with the various agencies in the community. The reorganization includes the appointments of an assistant dean (academic), an assistant dean (administration), a co-ordinator of the basic program, a co-ordinator of the post-basic program, a co-ordinator of the graduate program and a co-ordinator of continuing education. The new organization is to be tried for three years and then reviewed.

### EDUCATION

The two new programs continue to require careful planning and are developing fairly satisfactorily. It is necessary to limit enrolment in the basic nursing program because of lack of qualified faculty to teach, difficulties in arranging for clinical experiences and lack of space in the present building.

The health agencies in London have been most co-operative in planning clinical experiences. The faculty are sincerely grateful for all the assistance we have received.

Enrolment in the basic program included forty students in the first year, twenty-six students in the second year and eighteen students in the third year. Enrolment in the post-basic program included six students in the second year and four students in the third year. Planning for the final year of both programs has been completed. We are pleased with the progress of the students and believe that graduates of our programs will be competent professional nurses. Each year minor changes are being made in the programs to provide for better integration and flexibility.

As anticipated, fewer students enrolled in the "old" B.Sc.N. program. This program will continue until 1970 when it will be completely replaced by the new programs.

There was a slight increase in enrolment of first year graduate students. No major changes took place in this program.

Mrs. V. Wood conducted two three-day workshops on test construction and evaluation for teachers in diploma schools of nursing. The response was excellent. Each workshop was over-enrolled and many applicants could not be accepted. Those who did attend were enthusiastic and encouraged the faculty to increase activities in the whole area of continuing education.



The seventh Seminar for Senior Nursing Executives was held in June. It was an honor to have Miss Virginia Henderson from Yale as a guest lecturer. The number of participants at the Seminar was approximately the same as other years, but this year there were six from other countries, as well as nurses from most provinces of Canada. Again, the Seminar was considered to be a success and a worthwhile endeavor.

## RESEARCH

A major activity of some of the faculty has been to develop research in nursing and to secure funds for this. One more project was supported by the Ontario Department of Health and one project received funds from the Richard Ivey Foundation. It has not been possible to obtain financial support for other projects. We are continuing to develop broader areas of the research which will be undertaken by the faculty in the hope that this will facilitate securing funds.

## FACULTY

Members of the Faculty continue to contribute to the activities of professional and other organizations. A few examples will illustrate this.

The Dean and Miss E. Healey serve on the Council of the Canadian Conference of University Schools of Nursing and the Dean, Dr. A.E. Griffin and Miss E. Healey serve on the Council of the Ontario Region of the Canadian Conference of University Schools of Nursing.

Dr. A.E. Griffin is a member of the Ontario Council of Health Committee on Research and is also a member of the Registered Nurses of Ontario Special Committee on Research in Nursing.

The Dean has been reappointed to the Ontario Council of Health.

Dr. A.E. Griffin is a member of the London Community Liaison Committee studying arrangements for clinical experiences for students in various nursing programs.

Dr. A.E. Griffin serves on the Board of Management of St. Joseph's Hospital Regional School of Nursing and Miss D. Hibbert serves on the Board of Directors of Victoria Hospital School of Nursing.

Miss D. Hibbert is Chairman of the Nominating Committee of the Canadian Nurses' Foundation.

Mrs. V. Wood conducted workshops on Test Construction at St. Mary's School of Nursing in Kitchener and the Brantford General Hospital School of Nursing.

Miss L. Brown is a member of the Credentials Committee on Public Health Nursing of the Ontario Department of Health.

Miss T. Potter is President of the Registered Nurses' Association of Ontario North Middlesex Chapter.



Miss C. Gow serves on a Conference Planning Committee of the Registered Nurses' Association of Ontario.

### BUILDING PROJECT

A year ago, we received approval in principle from the Ontario Department of University Affairs to build an addition to the present Faculty of Nursing Building. Further study has indicated that a completely new building would be much more functional and would allow for a better use of University property. Plans are now under way for such a new building.

### APPRECIATION

The Faculty of Nursing wishes to express appreciation to the Deans and Faculty of Arts, Social Science, Science and Medicine for their co-operation in planning and teaching courses in the nursing programs. Their contribution is essential to the preparation of the professional nurse and we acknowledge this with thanks.



## FACULTY OF DENTISTRY

### Report of the Dean

Dr. Wesley J. Dunn

## EDUCATION

### Undergraduate Dental Curriculum

An interim dental curriculum was approved by Council at a special meeting held on October 3, 1968. The curriculum, developed after intensive study by an ad hoc committee under the chairmanship of Dr. P.G. Dellow, consists of several identifiable components:

1. Basic Sciences
2. Clinical Sciences
3. Interdepartmental courses and clinical seminars
4. Clinical and related experience
5. Areas of Concentration
6. Hospital Experience
7. Unassigned time.

There are several special features introduced in this curriculum which take effect commencing in the 1969-1970 academic year:

- i Integrated Teaching  
A special interdepartmental time bracket is given in each of the four years and includes the teaching of specific topics, clinical applications of basic science, interdisciplinary conferences, televised demonstrations, teacher clinics, student seminars, and case presentations.
- ii Early Clinical Experience  
An early introduction to some clinical material should provide a purposeful orientation and allow a degree of continuity. It will be paralleled by a spread of basic science material into the senior years.
- iii Areas of Concentration  
A full-time bracket in the fourth quarter of the final year is set aside for project work. All teaching departments may be involved and students will have a degree of election concerning their discipline. Students who need, in the views of their teachers or a special committee, further experience in a certain field may be required to spend this term making up their deficiencies.
- iv Unassigned Time  
One half day each week is categorized in all years of the curriculum as unassigned.
- v Summer Clinical Period  
A period of six weeks between the third and fourth year is assigned outside of the academic term for clinical experience; this will be free of formal lectures.



vi Hospital Experience

A two-week period is allowed in the fourth year for general hospital experience - - full-time except for the formal lecture and interdisciplinary sessions.

At the October 3 meeting, the ad hoc committee was dissolved and a standing Committee on Undergraduate Dental Curriculum was established. Its terms of reference are three in number:

1. To recommend on the aims and objectives of the undergraduate dental educational program.
2. To recommend a curriculum which will best serve to achieve these aims and objectives.
3. To report to Council at least once in each academic year.

The committee, in undertaking this vitally important assignment, has met on thirteen occasions during the year. On June 3, 1969 it presented its first major report to Council, such report dealing essentially with proposed objectives for an undergraduate dental curriculum.

#### Marking Scales

An ad hoc committee consisting of two members of faculty and two students was appointed for the purpose of recommending on an equitable method of reporting on student evaluation. The present system is to employ both numerical and letter grades and to report to students their ranking in the class.

Council has agreed that in the future a report will be mailed to each student showing his grade in each subject. The key to the grades is as follows:

- A - - Excellent performance
- B - - Good performance
- C - - Satisfactory performance
- F - - Unsatisfactory performance.

No longer will a less than satisfactory performance in any discipline be compensated for by a more superior performance in another discipline.

Because of the fact that certain institutions continue to require information bearing on student ranking, the Faculty has agreed that for certain purposes a ranking system applicable to the entire class is required. Such ranks, however, will be made available only to appropriate institutions at the request of the student concerned. Rankings will not form a portion of the annual report which is transmitted to the students.

The ad hoc Committee on Marking Scales is now studying methods, consistent with the grading system approved, of making ranking possible. A further report on this subject from the ad hoc committee will be presented to the Executive Committee of the Council in the fall of 1969.



### Scholarships and Awards

The Faculty is most fortunate in having had established, even at this relatively early stage in its development, sixteen academic awards. Appreciation is extended to all donors who, by their generous actions, stimulate an interest in and concern for academic and clinical excellence.

### Advanced Training in Dentistry

The first major step toward the establishment of graduate education in clinical disciplines in Western's Faculty of Dentistry has been taken. On March 24, 1969 the Council of the Faculty approved the report of an ad hoc committee which functioned under the chairmanship of Dr. A.G. Parnell, Professor and Chairman of the Department of Oral Surgery.

The report reaffirmed the fact that from its inception the Faculty of Dentistry never anticipated limiting itself to undergraduate education. This is obvious on viewing the Dental Sciences Building which already possesses the physical facilities for the clinical training of graduate students in a separate graduate clinic.

While the majority of dental graduate programs are likely to be in the recognized clinical specialties, the Faculty does not propose to be bound by such arbitrary limits. Programs may be offered in other clinical disciplines which, as yet, are not recognized as areas of specialist endeavor. Most of the clinical experience associated with these programs will be acquired within the Dental Sciences Building although some hospital residencies are anticipated.

It was agreed that in establishing graduate training programs certain prerequisites are required. The depth, quality, and content of the training should enable the graduate to apply for specialty certification in Ontario and to assure his eligibility for the Fellowship Examinations of the Royal College of Dentists of Canada, if he so desires.

It has been recommended that upon successful completion of the course of study the degree of Master of Clinical Dentistry (M.Clin.Dent.) be awarded. Although the degree is being established for graduate training in clinical dental disciplines, it should have some characteristics normally associated with non-clinical graduate programs. While a formal thesis would probably not be required there should be some specific project, paper, or review of the literature.

The report has now gone forward to the Faculty of Graduate Studies, the academic unit of the university in which the graduate program will be established. The clinical departments are directing themselves to the development of criteria and course content hopefully that all necessary approvals will be obtained to permit the initiation of the graduate clinical program in the fall of 1971.

### Program in Dental Hygiene

The Senate of The University of Western Ontario, at its meeting on May 9, 1969, endorsed, in principle, the development of a four-year baccalaureate program for dental hygiene within the Faculty of Dentistry.



At the September, 1968 meeting of the Council an ad hoc committee, under the chairmanship of Dr. B.P. Martinello, Chairman, Department of Social Dentistry, was appointed to inquire into and recommend on the establishment of a dental hygiene program at The University of Western Ontario. Following the committee's deliberations it was proposed that a baccalaureate program for dental hygiene be established.

One objective of such a program is to supply qualified personnel to staff existing, expanded, and new programs of dental hygiene education designed to cope with the need for educating greatly increased numbers of dental hygienists. The program would also supply hygienists, qualified beyond the diploma level, to participate in research and for senior public health administrative positions. In order to produce personnel of the highest calibre for these purposes, a broad university program is necessary. At the present time, there are no degree programs for dental hygiene in Canada and it seemed urgent, therefore, and essential to initiate one. These views are supported by the Ontario Council of Health, the Canadian Dental Hygienists' Association, and the Directors of the five Schools of Dental Hygiene currently operating in Canada.

The proposed program will consist of four academic years of study from Ontario Grade XIII or equivalent standing and will be open to men or women. The first year will be taken in the Faculty of Science, and it will comprise courses from the Natural Sciences, Social Sciences, and Humanities. The second, third, and fourth years will be taken in the Faculty of Dentistry. The courses will cover the general areas of Arts and Social Sciences, Basic Dental Sciences, and Clinical Dental Sciences and will be integrated throughout the three years. On successful completion of the program a Bachelor of Science (Dental Hygiene) degree is to be awarded.

The class size in each of the academic years is to be twenty students. The projected target date for the first students to be enrolled in the program is September, 1970.

#### Continuing Education

During 1968-1969 seven short non-credit courses and seminars were arranged and, apart from members of faculty who were present, there was a total attendance of 119. The following are the courses:

	<u>Subject</u>	<u>Duration</u>	<u>Attendance</u>
1.	Orthodontics	2 days	19
2.	Dental Care for the Mentally Retarded	2 days	34
3.	Occlusion	3 days	14
4.	Endodontics	3 days	6
5.	Radiology	3 days	22
6.	Occlusal Correction	5 days	16
7.	Orthodontics	1 day	8

Twenty-one lecture engagements were provided to dental societies throughout the province under the Extramural Lecture Program of the Royal College of Dental Surgeons of Ontario and of these sixteen were presented by full-time members of faculty and five by part-time members.



In addition to the lectures given within the RCDS Extramural Lecture Program members of the Faculty presented a total of twenty-four addresses to dental and related groups and five to non-scientific or non-clinical audiences.

At least four non-credit courses have been scheduled for the 1969-1970 academic year and one of these will be sponsored by the Royal College of Dental Surgeons of Ontario.

#### Dental Education - Allied Professions

While certain individual members of the Faculty have been participating in some educational programs for members of allied professions it was the view of the Faculty that these efforts were sporadic, unco-ordinated, and less effective than is possible.

An Interdepartmental Committee on Dental Education for Allied Professions was established to give consideration to and recommend on policies relating to the participation of the Faculty of Dentistry in the "dental" component of the educational programs of allied professions. In addition, this committee will give consideration to and recommend on the role of the Faculty of Dentistry in respect of educational television as such role relates to activities outside the normal undergraduate or graduate programs.

#### Statement on Present and Projected Enrolments

In January 1969 the Faculty, in response to a request from the Minister of Health, was asked to comment on the feasibility of significantly increasing its present and projected enrolment. A great deal of time and careful consideration were given to this request and a small ad hoc committee prepared a statement which was eventually endorsed unanimously both by the Executive Committee and the Council itself. This Faculty respectfully suggests that it is making every possible effort, consistent with a reasonable degree of academic and clinical integrity, to develop its undergraduate, graduate, and dental hygiene programs with all due dispatch in full appreciation of the fact that it has a major responsibility in providing a maximum number of graduates of unquestioned competence to serve the dental health needs of the people of Ontario.

#### Trimester System

To assure that the Faculty is giving every possible consideration to ways and means to achieve the greatest possible number of graduates consistent with academically and clinically responsible standards it was decided to make a study of the possible utilization of a trimestre system. A two-member ad hoc committee was established consisting of Dr. B.P. Martinello, Chairman, Department of Social Dentistry, and Dr. W.C.C. McMurray, Associate Professor of Biochemistry, to consider the desirability, feasibility, implications and possible ramifications of a trimestre system. The committee is experiencing considerable difficulty in acquiring pertinent information but the committee's investigations are continuing and it is hoped that some positive progress may soon be made.

#### Accreditation Preparation

October 1969 will be a most important month in the life of this, as yet, somewhat embryonic Faculty. The Faculty will be visited by a Survey Team appointed by the Council on Education of The Canadian Dental Association and it is hoped that, following the report of the Survey Team to Council, this Faculty will be accredited.



The Council on Education of The Canadian Dental Association has considerably revamped its accreditation procedures. A Committee on Survey Policy has been established by Council and this committee is representative of Council, Association of Canadian Faculties of Dentistry, and the National Dental Examining Board of Canada. The committee is responsible for recommending policy to Council and the administrative functions in respect of surveys will be carried out by the Secretariat of the Council.

An ad hoc committee to effect the preparations for the visit of the Survey Team has been established and it is confidently expected that this Faculty will meet, and exceed, the Canadian Dental Association's minimum requirements for the accreditation of a dental school.

#### Anonymity in Final Examinations

In an effort to be as thoroughly objective as humanly possible in respect of student evaluation the Faculty has developed a policy which states that, wherever practicable, all examinations and essays and projects related to the final grades be identified in such a way that the examiner has no knowledge of the examinee's name until completion of the scoring of the examination, essay, or project. This system was utilized in respect of this year's final examinations and appeared to work well.

#### Mentor System

The University of Western Ontario Dental Students' Society formulated plans, during the year, to establish a Mentor System within the Faculty. The purpose of the program is to establish a mechanism whereby a member of faculty, either full-time or part-time, may be assigned three or four students for whom he acts as mentor. Students may discuss with him any matters which may interest or concern them and it is hoped that the mentors will take a participating interest in the academic, clinical, and social welfare of the students who have been assigned to them. The students themselves are responsible for the operation of the Mentor System and the committee responsible consists of a majority of students with two members of faculty elected by Council at the request of the students.

#### RCDS Admissions Scholarship - 1968

Only one student was eligible for the RCDS Admissions Scholarship for the first year entering in September, 1968. Mr. Hytham Ali Kadrie, having met all the requirements for the award, was granted the RCDS Centennial Admissions Scholarship for the 1968-1969 academic year. Unfortunately, Mr. Kadrie withdrew from the dental program at the end of the third quarter. He was admitted to the First Year of the Faculty of Medicine and, as was expected, distinguished himself at the final examinations of that Faculty.

#### Students' Performance

The following is a summary of the 1968-1969 academic performance of the students in the Faculty of Dentistry of The University of Western Ontario:

##### First Year

Number of students . . . . .	30
Number with honors . . . . .	3
Number passed . . . . .	26
Number with conditions . . . . .	1 (Biochemistry)



Awards:

1. RCDS Scholarship . . . . . D.S. Sweet
2. Mosby Book Awards:
  - Anatomy . . . . . G.C. Cooper
  - Physiology . . . . . D.S. Sweet
  - Occlusion . . . . . D.F. Saunders

Second Year

Number of students . . . . .	10
Number with honors . . . . .	2
Number passed . . . . .	6
Number with conditions . . . . .	1 (Pathology)
Number failed . . . . .	1 (Advanced Standing - - not permitted to repeat)

Awards:

1. RCDS Scholarship . . . . . R.L. Beath
2. Mosby Book Awards:
  - Oral Pathology . . . . . R.L. Beath
  - Restorative Dentistry . . . . . D.M. Lawton
3. Hamilton Academy of  
Dentistry Award in Oral  
Medicine . . . . . A.C.J. Sylvestre

Third Year

Number of students . . . . .	7
Number with honors . . . . .	2
Number passed . . . . .	5

Awards:

1. International College of  
Dentists Award . . . . . D.J. Kenny
2. Oral Surgery Award . . . . . A.J. Goldfarb
3. Centennial Paediatric  
Dentistry Award . . . . . Mrs. M. MacLoughlin
4. Restorative Dentistry Award . . . . . Mrs. M. MacLoughlin

RESEARCHMedical Research Council

In October 1968, the Faculty was advised that arrangements had been completed for the transfer from the National Research Council to the Medical Research Council of the responsibility of that part of the support of dental research formerly provided by NRC. In response to our concern with the possible limitation in interpretation of the name "Medical Research Council" the Chairman of the Council replied that MRC has placed itself on record as being in favor of a change of name to Health Sciences Research Council.

In late January of 1969 the Faculty was advised that as it had been the practice of the Medical Research Council to provide the dean of each Canadian medical school and, more recently, of each School of Pharmacy, with a General Research Grant to be used for the support of research in his university that the



practice would now be extended to dental schools as well. This Faculty has received an amount of \$10,000 to be used for the assistance of research. These grants may be used for overhead expenses or for the supplementation of salaries of academic personnel but, aside from these limitations, each General Research Grant of the Medical Research Council may be used at the discretion of the dean for the prosecution of research in whatever way he thinks best.

This Faculty extends sincere appreciation to the Medical Research Council of Canada for this most welcome and effective support.

#### MRC Summer Undergraduate Research Scholarships

In keeping with the practice established by NRC for dental schools the MRC has made available, for the summer of 1969, two Summer Undergraduate Research Scholarships. These awards are in the amount of \$1,200 each and are granted to carefully selected students who spend three months during the summer engaged in research activities in departments in which they have research interests. Mr. John Lynn of the Second Year will be spending the summer with Dr. L.N. Johnson in Dental Materials Science and Mr. Joseph Cipolla will be working with Dr. K. Hoshino in the Department of Anatomy.

#### Fourth Dental Students' Research Conference

The Fourth Dental Students' Research Conference was held on February 27 and 28 and March 1, 1969 in Washington, D.C. Organized by the Council on Dental Research of the American Dental Association and co-sponsored by the Procter and Gamble Company the Conference permits an opportunity for one selected student from each of the North American dental schools to spend three days in activities designed to acquaint dental students with the activities involved in and the scope of dental research. Mr. John A. Lynn of the Second Year was the representative of this Faculty and his report to his student colleagues following his return attested to the great value of this Annual Conference.

#### Bill 73

The Faculty expressed considerable interest in the hoped-for enactment of Bill 73, An Act to Regulate the Procurement and to Provide for the Welfare of Animals Used in Teaching and Research. The Bill, unfortunately, because of heated and somewhat emotional opposition, was withdrawn in spite of the almost unanimous support of the scientific community.

### GENERAL INTEREST

#### Official Opening

On Friday, October 25, 1968 Western's new Dental Sciences Building was officially opened. The ceremonies commenced on Thursday, October 24 when the Inaugural Public Lecture was presented in Middlesex College Theatre by Dr. Gordon Nikiforuk, at the time, Acting Dean of the School of Dentistry of the University of California in Los Angeles.

On Friday morning, under the chairmanship of Mr. Albert E. Shepherd, Q.C., Chairman of the Board of Governors, the Dental Sciences Building was officially opened by the Honorable Matthew B. Dymond, M.D., LL.D., Minister of Health of Ontario. During the ceremony a beautiful oil painting was presented to



the school by Dean Roy G. Ellis on behalf of the Faculty of Dentistry of the University of Toronto. This painting now hangs in the Conference Room of the Dental Sciences Building.

Following the Official Opening the building was available for inspection, with the students acting as guides.

During the afternoon, at the regular Fall Convocation, an Honorary Doctor of Laws degree was conferred upon Dr. Ellis who then addressed Convocation.

#### University Hospital - Sod Turning Ceremony

The planning of several years reached fruition on Monday, June 2, 1969 at the Sod Turning Ceremony for University Hospital. The construction phase of the \$36,000,000 project commenced immediately following the ceremony. Mr. J.H. Stevens, the President of the London Health Association, the organization under whose aegis the hospital will operate in conjunction with the university, presided. The Honorable Matthew B. Dymond, M.D., LL.D., Minister of Health, turned the sod assisted by Mr. Walter J. Blackburn, the Chairman of the Planning Committee.

When the Council of the Faculty of Dentistry met on June 3, it extended sincere congratulations to Dr. O.H. Warwick, Vice-President (Health Sciences), for the many months of effort he has given and the effective leadership he has provided. On completion, The University of Western Ontario's Health Science Centre will consist of five interconnected buildings with a total floor area of slightly in excess of 23 acres.

It is expected that the construction phase will take approximately 30 months and the building, therefore, should be ready for occupancy in late 1971 or very early in 1972.

A dental department of slightly in excess of 2,000 square feet consisting of eight operatories and provision for associated facilities, will be provided.

#### Faculty Constitution

On September 27, 1968 the Constitution of the Faculty of Dentistry was approved by Senate.

#### Other Faculties Represented on Council

Because admission to the Faculty of Dentistry follows a period of "pre-professional" education it was considered highly appropriate that Council benefit from the views, opinions, and counsel of representatives of the Faculties of Arts, Social Science, and Science. Accordingly, the Faculties of Arts and Social Science were requested to elect one delegate each to the Council of the Faculty of Dentistry and the Faculty of Science was requested to elect two. It is a pleasure to report that the Council of the Faculty of Dentistry now includes:

- |    |  |  |
|----|--|--|
| 1. | From Faculty of Arts . . . . .           | Professor Frank Salter                           |
| 2. | From Faculty of Social Science . . . . . | Professor L.W. Chamberlain                       |
| 3. | From Faculty of Science . . . . .        | Professor D.A. McLarty<br>Professor L.F. Ritcey. |



### Advisory Committee to the Faculty of Dentistry

The first meeting ever held in the Conference Room of the Dental Sciences Building was that of the Advisory Committee to the Faculty, such meeting being held on October 2, 1968. Attending the meeting were representatives of the Royal College of Dental Surgeons of Ontario, Canadian Dental Association, Ontario Dental Association, Royal College of Dentists of Canada, the three teaching hospitals, in London, the dental service of the London Board of Education, the dental service of the Department of Veterans' Affairs, and The University of Western Ontario, the latter including the Faculty of Nursing, Faculty of Medicine, the Basic Science and Clinical Departments, and the Dental Students' Society. Regrets for their inability to attend were received from the appointed representatives of the National Dental Examining Board of Canada and the London and District Dental Society.

The establishment of the Advisory Committee gives tangible evidence that the community and the profession have an interest in and concern for the quality of dental education and research. The committee provides a mechanism, on the one hand, for the Faculty to receive information, responsible counsel and advice and, on the other, for the community and the profession to receive information bearing on the policies, programs, hopes, and aspirations of the Faculty.

Dr. Harvey W. Reid was unanimously elected Chairman of the Advisory Committee and he served throughout the meeting in a most effective and efficient manner.

The Advisory Committee employed the previous year's Annual Report as its resource document and most of the day was spent in its review.

Unquestionably, the Faculty derived considerable benefit from the participation of the members of the Advisory Committee and it is hoped that through the vehicle of communication which the Advisory Committee provides that the representatives will have acquired a greater understanding of some of the policies, plans, and programs either in effect or contemplated.

It is expected that the second meeting of the Advisory Committee will be held in October or November, 1969.

### Recruitment Activity

On Monday, March 17, 1969, 33 high school students were brought to the Faculty through a joint effort of the Dental Public Health Committee of The Ontario Dental Association and the Faculty of Dentistry of The University of Western Ontario. The students were given a tour of the Dental Sciences Building, were taken to Thames Hall for a tour of the athletic facilities of the university, were guests at a banquet in the Great Hall of Somerville House and were then billeted overnight in the homes of London dentists. The students were returned to the Dental Sciences Building on Tuesday morning for the return trip to their homes. Dr. B.P. Martinello was in charge of the local arrangements, assisted by Dr. Gordon Frey, the Chairman of the Dental Public Health Committee of the London and District Dental Society. This was a most worthwhile activity and was a suitable culmination of several such arrangements made by Dr. Glenn T. Mitton, now retired from the post of Field Secretary, Dental Public Health Committee, The Ontario Dental Association.



### Class Size, 1969-1970

Council has established the size of the incoming freshman class in September 1969 at a figure not to exceed 42. In addition, Council has agreed to admit not more than four students to the Second Year as Advanced Standing students. The estimated class sizes, then, for the academic year 1969-1970 are as follows:

First . . . . .	42
Second . . . . .	34
Third . . . . .	9
Fourth . . . . .	7

### Utilization and Training of Dental Auxiliaries

Late in 1968 the Association of Canadian Faculties of Dentistry requested each Canadian dental school to prepare a statement on the utilization and training of dental auxiliaries. The statement unanimously adopted by this Faculty is in essential agreement with the progressive resolution on auxiliary personnel presented to the 1968 Annual Meeting of the Board of Governors of The Canadian Dental Association by the Association's Auxiliary Services Committee. This resolution was not approved by the Board of the national association.

### Teacher Training

The Faculty is grateful to the Ontario Department of Health for providing bursaries to enable Dr. David Banting to complete studies at the School of Hygiene of the University of Toronto. He will return to this Faculty in an appointment to the Department of Social Dentistry. Dr. Banting acquired his Diploma in Dental Public Health in the spring of 1969 and one more year of study will earn him a Master's degree.

### Indian and Northern Affairs

The Deputy Minister of the Department of National Health and Welfare has suggested that each Health Sciences teaching centre might develop a relationship with local northern Indian and Eskimo areas with a view to improving the provision of comprehensive and continuous health care for Indians and Eskimos. A meeting was convened between personnel from UWO's Health Sciences and Drs. K. Butler and D. Box of the Department of National Health and Welfare. From this meeting an ad hoc Committeere Indian and Northern Health Services was established.

The committee met in April and some consideration was given to the feasibility of the university engaging itself in an area in the MacKenzie District. It was agreed that any services provided by the university should be associated with research and teaching, the main functions of the university. It was the general feeling that the educational value of working in these areas would be the increased awareness of the social responsibilities of health workers.

Dr. B.P. Martinello is the representative of this Faculty on the ad hoc committee and this committee intends to delve more deeply into this important subject.



# FACULTY OF LAW

## Report of the Dean

Professor R. S. Mackay

Two matters of particular consequence occurred this past year which will have an important bearing on the future, and future direction, of the Law Faculty. The first was the completion of the addition to the existing building, thereby doubling its effective space and facilities, enabling the enrolment of upwards of 150 students in first year. When projected, two or three years hence, this will mean that the total enrolment of students in all three years will approach 400. The second major development during the year was the adoption by the Law Society of Upper Canada, the governing body of the legal profession in Ontario, of an entirely new posture in its relationship with the various Ontario law schools.

Briefly stated, the Law Society has, in large measure, delegated responsibility for the development and direction of legal education to the law schools themselves. This formal release of previous constraints has enabled this Law School, in the past year, to recast its curriculum to better accord with the realities and demands of the modern role of law, and the legally trained person, in an increasingly more complex and multi-faceted society. This new freedom also enables the curriculum to better reflect the fact that more and more students do not intend to practice law, as such, or in the traditional sense, but rather to use it as a grounding for any one of several alternative careers. To this end it is proposed to expand and increase relationships between the Law School and other faculties or departments in the University. Such already exist between the Law Faculty and the School of Business Administration, the Faculty of Engineering Science and the Departments of Political Science and Journalism.

In recognizing the twin assets of a new and expanded building and curriculum it is also necessary to record the distinct loss suffered by the Law School in the retirement of A.W.R. Carrothers as Dean, effective January 1, 1969. His assumption of the office of President of the University of Calgary is a fitting tribute to his talents and labors so ably demonstrated at Western. His insights led to a new direction and a new stature for the Law School and, with the assistance and encouragement of a sympathetic administration, he built solidly and well.

One further development should be mentioned. This past year saw greater participation by students in the affairs of the Law School than ever before. Law students were accorded significant representation on all faculty committees and policy-making bodies and the contributions made by them were equally significant and rewarding. The following committees and committee reports owe much to the students who acted on them and added new dimensions to their deliberations.

### REPORTS OF COMMITTEES

Admissions & Academic Research Committee . . . Professor J.A. Rendall,  
Chairman

In the past year the name of the Admissions Committee was expanded to reflect an included analysis function as an important part of its work.



The Committee's size was increased by enlarging the number of Faculty representatives from three to five, by adding two students, and, further, by including one member of the University Admissions Committee. Consistent with its new terms of reference, the Committee found that its work load increased somewhat. Meetings were held on a regular and frequent basis throughout most of the autumn and winter.

In October the Committee members had a meeting in Toronto with Admissions Personnel from all of the Ontario Law Schools as well as representatives from British Columbia, Alberta, Manitoba and McGill, in order to obtain a better and more sophisticated understanding of the use of the Law School Admissions Test. The Committee assisted in co-ordinating the meeting and performed the function of reporting secretary.

This meeting proved very fruitful and produced a co-ordinated approach to the use of the Law School Admissions Test. As a result next year, for the first time, the test will be required at five of the six Ontario Law Schools, including Western.

The Toronto meeting also served the purpose of allowing the Ontario Schools to co-ordinate on a number of housekeeping matters. In particular it produced an agreement designed to speed up admissions decisions.

Although the Law School Admissions Test was not required of all applicants applying for admission in September, 1969, it was recommended by all schools and a high proportion of the applicants to this school did in fact submit a test score. This school became a regular E.T.S. Test Centre last November and has assumed responsibility for acting as co-ordinator between Educational Testing Service and the Canadian Law Schools. This gives the school an opportunity to participate in all decisions concerning use of the test and to have some degree of influence on those decisions.

The Committee began at an early date to meet more or less regularly to consider matters of admission. Some decisions to admit were taken early in April. This confirms the view that the whole admissions process can, over a period of time, be moved ahead.

By the end of the summer the Committee had faced close to eight hundred applications. This represented a substantial increase in numbers from the previous year. In all its assessments the Committee has tried to act with great care. This considerable, and increasing, strain on the Admissions process confirms very clearly the wisdom of the decision to begin using the Law School Admissions Test and the importance of emphasizing the role of academic research in connection with the Committee's work. Too often, in the past, the Committee has been forced to rely on educated guesses in respect of some matters. For example, it has assumed differing standards at different undergraduate schools and various factors such as age and business experience as modifying the importance of an applicant's academic record.



Audio-Visual Education Committee . . . Professor E.F. Ryan, Chairman

Eleven units of instruction were produced during the year. Five units, totalling about three hours, were done on the topic of "Criminal Procedure", employing the services of Douglas Drinkwater, then Assistant Crown Attorney of Middlesex County. These tapes have proved to be extremely valuable instruments of legal education. They have been shown at, and are now used in, several law schools throughout Canada. Six further units, totalling about five hours, were produced on the subject of "Jurisprudence - The Natural Law", which were done by Rev. Father Thomas Aquinas, S.A., then President of Notre Dame University of British Columbia.

Plans were also developed for taping talks and readings by important contemporary figures in the legal world. The Chief Justices of the Supreme Courts of Canada and the United States have been invited to participate. On the day of his death, former Justice I.C. Rand, and former Dean of the Law School, was present on campus in order to do a tape of one of his famous civil liberties judgments. The Attorney General of Canada has agreed to do a video tape address in the fall of 1969.

From these promising beginnings future plans call for the inclusion of television monitors and playback facilities in the Law School itself, and for exchange of tapes with other law schools, to bring the students even closer to this new and exciting medium of legal instruction.

Building Committee . . . Professor E.E. Palmer, Chairman

During the academic year 1968-69, the Building Committee was involved with the completion of the new addition to the Law School. This work, which approximately doubled the usable space of the Law School, was satisfactorily completed early in 1969. The new space and facilities are now in complete use by the faculty, students and supporting staff and promise to be entirely adequate for the needs of the Law School, barring unforeseen developments, for the next seven or eight years.

Curriculum Committee . . . Professor E.E. Palmer, Chairman

In April, 1969, the Curriculum Committee proposed to Faculty Council two major changes in the existing curriculum structure, to take effect in the coming academic year. The changes in question involve going from a "full year" basis to a seminar system in second and third year courses and, in second and third years, permitting students to select courses on an optional basis on the advice and with the assistance of Faculty Councillors. As pointed out elsewhere these changes were made possible by new governing regulations promulgated by the Law Society of Upper Canada. A "Grades and Standards" Committee, consisting of five faculty and two students, was struck to inquire into and report on problems that may arise as a consequence of adopting this curriculum.

Library Committee . . . Professor G.J. Brandt, Chairman

The Library holdings as of June 30, 1968, were as follows:



Reports, Digests, Abridgements, etc.	24,956
Journals	7,001
Treatises	9,567
	<hr/>
Total	41,524
	<hr/>

Acquisitions in the year 1968-69 were as follows:

Reports, Digests, Abridgements, etc.	4,421
Journals	1,610
Treatises	3,211
	<hr/>
Total	9,242
	<hr/>

Thus, the current holdings of the library as of June 30, 1969, are:

Reports, Digests, Abridgements, etc.	29,377
Journals	8,611
Treatises	12,778
	<hr/>
Total	50,766 *
	<hr/>

\* It may be observed that the five year plan of the Law Faculty, prepared in 1964, projected that by June 30, 1969, the library holdings should be 50,000 volumes. The figure noted above indicates this target has been achieved.

Scholarships & Bursaries Committee . . . Professor R.G. Atkey, Chairman

(a) New Course Prizes

The following new academic prizes and awards were created in 1968-69:

The Butterworth Prize for Academic Excellence; a set of HALSBURY with Canadian Converters (value \$900) to the third year student achieving the highest aggregate standing in all three years of the course taken as a whole.

The Borden, Elliot, Kelley and Palmer Prize; the sum of \$200 to the student achieving the highest standing in the second year of the course.

The Stevenson and Evans Prize; the sum of \$100 to the student achieving the highest standing in Constitutional Law.

The London Life Insurance Company Prize; the sum of \$100 to the student achieving the highest standing in Insurance.

The following prizes and awards were withdrawn in 1968-69:

The Board of Governors Scholarships; the sum of \$100 to the student achieving the highest standing in the second year of the course.

The Honorable E. Davie Fulton Prize; a prize of books to be given annually to the student achieving the highest standing in Constitutional Law.



The Dean Ivan C. Rand Prize; the sum of \$100 to the student achieving the highest standing in the second year of the course.

(b) Scholarships for Students Attending Graduate School

The Committee conducted a number of interviews with second and third year students interested in attending graduate schools in law in the United States and in Great Britain. Although a number of scholarship applications were submitted, none was successful. However it is believed that two of the graduating class this year will be attending graduate law schools in Great Britain, and several others have indicated an intention to do so following the completion of the Bar Admissions Course in 1971.

(c) Liaison with Alumni and Potential Scholarship Sponsors

Preliminary negotiations are now underway with a number of alumni of this faculty with a view to establishing an independent alumni corporation. One of the objects of such a corporation would be to raise funds from law school alumni and other practising lawyers in the community for the financial assistance of law students, with respect to (i) entrance scholarships, (ii) bursaries and (iii) course prizes (in that order of priority).

Special Lecture (and Events) Committee . . . Professor G.J. Brandt, Chairman

As in the past the Faculty of Law scheduled a special lecture series to bring legal scholars to the Law School and participate in its program. During the year 1968-69 the following persons attended to give lectures:

Sir Kenneth Bailey, Australian High Commissioner to Canada, spoke on International Law on February 20, 1969.

Professor Andre Dufour, Vice-Dean, Faculty of Law, Laval University, spoke on Constitutional Law on November 18, 1968.

Professor M.A. Hickling, Faculty of Law, University of British Columbia, spoke on Labor Law on September 26, 1968.

Professor Colin Howard, Professor of Law, University of Melbourne, Australia, Visiting Professor at Wayne State University, spoke on Constitutional Law on October 30, 1968.

Professor Myres S. McDougal, Sterling Professor of Law, Yale Law School, spoke on legal education on October 10, 1968,

It should also be noted that the students, on their own initiative, developed a parallel program to bring in guest speakers. The two programs have been merged for the coming year, co-ordinated by a "Special Events" Committee, and the student and faculty members thereof began preparations to hold a seminar in the fall on the theme Legal Education and the Modern Lawyer. Participants will come from all sections of the profession and from across Canada and the United States.



Mock Court Committee . . . Professor G.M. Thomson, Chairman.

The voluntary Mock Court Program ran for approximately 3½ months during the first term of the academic year. There were 32 participants in the program, which thus meant eight Mock Courts with one final Mock Court to determine the Law School Representatives at the O.L.S.A. final held at the University of Ottawa in January. Once again, local practicing lawyers were of great assistance in acting as judges for all of the trials. Judge W.E. Colter's contribution as the judge of the final trial was particularly appreciated.

The winners of the final competition were Mr. R.D. Preston and Mr. J.K. Alexander of the third year class. These two students then went on to represent the University at the O.L.S.A. Mock Court Competition in Ottawa where they were successful in winning the trophy for standing first in that competition. Interest in the program was notably high this year and it is anticipated that, with the development of the legal defender program, participation should increase even further in the coming year.

Moot Court Committee . . . Professor P. Anisman, Chairman

The voluntary Moot Court Competition of the Law School took place in the fall of 1968. Twelve students participated in the three elimination cases which were presided over by practicing lawyers from London and Toronto. The final Moot Court case was presided over by Judge T.J. Jacob and Judge E.H.A. Carson, of the County of Middlesex, and Dean Carrothers. The Law School was then represented in the O.L.S.A. competition in Ottawa, involving all Ontario Law Schools, by J.C. Paterson and P.A. Smith. Subsequently Mr. Smith and P.M. Ledroit competed in the Niagara International Moot Court Competition which was held at the State University of New York at Buffalo. This competition comprised participants from Buffalo Law School, Osgoode Hall Law School, Syracuse Law School and this Law School. This competition was won by Messrs. Ledroit and Smith and the latter was also co-winner of the individual award for the best participant. The trophy now stands in the Law School foyer.

SPECIAL STUDENT ACTIVITIESWestern Ontario Law Review - The University of Western Ontario

Volume 8 of the Law Review was prepared by the students in the course of the academic year. The editorial board was as follows:

Editor:	D.L. Lovell
Associate Editors:	R.A. MacDermid G.K. McClure
Editorial Staff:	D.S. Bangarth R.G. McCuaig
Advertising Manager:	N.A. Campbell
Business Managers:	N.A. Campbell R.F. Rose
Faculty Adviser:	T.C. Hartley

The Law Review, now being printed, consists of 202 pages and 14 articles by:

The Hon. Pierre Elliott Trudeau, Ottawa  
David Henry, Combines Investigation Dept., Ottawa



Sir Leslie Scarman, Dept. of the Law Commission of England & Wales  
 Dr. Richard C. Gosse, Dept. of the Ontario Law Reform Commission  
 Cornelius Murphy, Duquesne University School of Law, Pittsburgh, Pa.  
 Professor J.A. Rendall  
 His Honor Judge E.H.A. Carson  
 D.L. Lovell  
 D.B. Schroeder  
 G.K. McClure  
 G.G. Parker  
 Prof. G.J. Brandt  
 R.G. McCuaig  
 Prof. J.D. Payne

#### Student Defenders Program

On the initiative of a third year student, John Eberhard, the Faculty Council on November 26, 1968, passed an enabling resolution establishing a Student Defender Program. The program came into operation in January, with the approval and encouragement of Mrs. Greta Grant, the Legal Aid Area Director for Middlesex County, and approximately eighty students were involved during the spring term. Faculty advice and assistance was furnished by Professors Thomson and Rayner. The object of the program is to furnish legal aid and assistance to those persons in the community who, although they are unable to qualify for provincial legal aid are nevertheless unable to afford professional legal assistance. The bulk of cases within the jurisdiction of student defenders, and referred to them by Mrs. Grant, involve Division Court cases in the civil field and summary conviction offences in the criminal area. The program was a pronounced success during its short span of operation and an even greater measure of success is anticipated in the forthcoming year.

#### ACTIVITIES OF MEMBERS OF FACULTY

In addition to those activities detailed in the Appendices attached hereto, the following further contributions of individual faculty members, to government, to the community and otherwise, have been significant.

Atkey, R.G. - Director, Advisory Council of the London Tenants Association; Legal Adviser, Day Care Committee, United Community Services of Greater London; Chairman, Policy Research Council of Ontario Young Progressive Conservative Association; Author of brief to Ontario Department of Labor on behalf of the Joint Committee on Construction Safety; Author of portion of "Preliminary Report on Constitutional Law Facing the Labor Task Force" submitted to the Task Force on Labor Relations (Privy Council Office).

Brandt, G.J. - Assistant to the Hon. J.C. McRuer, Royal Commission Inquiry into Civil Rights, with responsibility for organization and preparation of Volume III of the McRuer Report; Vice-President, London Little Theatre.

Gropper, M.H. - Director, Consumer Debt Counselling Service of London; Special Consultant to the Consumer Protection Division, Department of Financial and Commercial Affairs, Government of Ontario.



Palmer, E.E. - Vice-President (Planning), United Community Services, London; Arbitrator for Ontario Department of Labor and Member of National Academy of Arbitrators.

Ryan, E.F. - Counsel to Standing Committee of House of Commons on Justice and Legal Affairs.

In addition, several members of faculty are engaged in research projects which, however, are not funded and therefore are not included in Appendix D. Some of those so engaged, and the research areas involved, are as follows:

Palmer, E.E. - Cases and Materials on Company Law and a Labor Case-book, both to be published in 1969.

Rayner, W.B. - Research in Land Development emphasizing the cost of obtaining land financing and the advantages and disadvantages of condominium projects.

Thomson, G.M. - Case & Source Material for a projected publication in Family Law.

Rendall, J.A. - Preparation of materials in Insurance Law for inclusion in future publications in that subject.

Janisch, H. - Study of the functions, procedures and administrative aspects of the Canadian Radio and Television Council.



STUDENT STATISTICS UWO LAW SCHOOL BY CLASS AND YEAR

<u>Academic Year</u>	<u>I</u>							<u>II</u>		<u>III</u>		
	<u>Reg'd</u>	<u>With Degree</u>	<u>Qualified at UWO</u>	<u>From W. Ont. Area</u>	<u>Age 25 or Under</u>	<u>Age Over 25</u>	<u>Married</u>	<u>Sat for Exams</u>	<u>Reg'd</u>	<u>Hons. &amp; Dean's List</u>	<u>Other Graduates</u>	
1959-60	36	31	26	28	25	11	11	33				
1960-61	51	42	39	37	44	7	7	45	23			
1961-62	40	26	30	30	31	9	7	38	35	6	15	
1962-63	54	34	31	36	44	10	10	49	37	9	21	
1963-64	74	55	53	50	65	9	13	68	36	9	23	
1964-65	57	45	42	30	50	7	11	50	50	7	27	
1965-66	84	67	67	34	75	9	9	76	47	10	34	
1966-67	71	54	48	31	66	3	9	67	74	10	36	
1967-68	84	63	65	39	72	12	14	77	60	26	37	
1968-69	140	111	70	61	126	14	4	126	63	18	40	



# FACULTY OF ENGINEERING SCIENCE

## Report of the Dean

Professor R. M. Dillon

Extensive revision of the operational structure of the Faculty took place during this year. The third Annual Retreat held at the Talisman on May 21 to 23 provided an opportunity for valuable discussion related to the changes made. The Co-ordination and Development Committee, which was established in June 1968 and is responsible to Council for planning and operations, has been re-titled the Executive Committee and has taken an important part in the working of the Faculty throughout the year. Undergraduate and Graduate Divisions of this Committee have been formed and these work separately in their special fields, but together as a whole Committee whenever policy decisions are involved.

The structure of the other committees within the Faculty was thoroughly examined during the year and revised. The new committees are set out in Standing Committees Appendix at end of this Report.

Approval to invite tenders for the extension to the Engineering Science Building was granted, but in view of the drastically reduced capital funds to be made available up to 1975-76 this addition is to be occupied by Mathematics and Computer Science as well as Engineering Science.

## FACULTY ACTIVITIES

### Alumni Conference

The First Annual Engineering Alumni Conference was held on Friday, 18 October 1968 in conjunction with Homecoming Weekend. "The Problems of Urbanization" was the interesting topic for the 70 to 90 persons who attended.

Of the over 360 Engineering Science Alumni for the first ten years, twelve attended the Conference. Of these, seven had to make a real effort and came some distance to attend. All 22 of the students in the Environmental Engineering M.Eng. program attended as well as Members of Faculty, Engineers from local industry and undergraduate students of engineering who attended various talks that were of particular interest to them. One of the most important parts of the day was the luncheon. There was a tremendous and valuable rapport.

A committee has been formed for a Second Annual Engineering Alumni Conference during the Fall of 1969.

### Summer Seminar

A seminar on New Approaches to Structural Design Against Wind and Earthquake Action, sponsored by the Faculty of Engineering Science; the National Research Council of Canada, Division of Building Research; and the London Branch of the Engineering Institute of Canada was held on campus from June 22 to June 27, 1969. Lectures were given by Dr. A.G. Davenport, Dr. M. Novak and Dr. B.J. Vickery of this Faculty; by Mr. W.A. Dalgliesh, Mr. R. Ferahian and Mr. W.R. Schriever the National Research Council; by Dr. S. Cherry of the University of British Columbia; and by Dr. A.C. Heidebrecht of McMaster University. Forty consulting engineers from Canada, Australia and the United States attended.



### Continuing Education

Five evening non-credit courses were given during the winter on Tunnelling (14 students), Interpersonal Relations (18 students) A.P.E.O. Professional Practice (9 students), Sensitivity Training (14 students) and A.P.E.O. Engineering Economics (9 students). Support for other courses proposed did not justify giving them.

The Joint Executive of the London Branch, the Engineering Institute of Canada and the Association of Professional Engineers of Ontario, London Chapter, sponsored a study during 1968-69 of Continuing Education for Engineers. From this University R.R. Britney (School of Business Administration), R.N. Farvolden (Department of Geology, Faculty of Science) and R.K. Swartman (Faculty of Engineering Science) participated.

In the report on this study, it is stated that there is a strong interest in continuing education among engineers in the London area. The number of engineers within this area is much smaller than that within the area of other educational centres, and it is more difficult to arrange classes over the range of subjects requested. Transfer of credits in engineering studies between universities should be studied.

Professor R.K. Swartman is Co-ordinator of Continuing Engineering Studies.

### Open House

Over 700 visitors attended an Open House on Saturday, 15 March 1969. The Engineering Building was open to the public from 10:00 a.m. until 8:00 p.m. with guided tours, demonstrations and displays. The Open House attracted greater numbers than in the past presumably because of improved advertising. The local radio stations carried spot announcements and notices were sent to all highschools in the fourteen counties of Western Ontario.

## STUDENT AFFAIRS

### Student Exchange Program

This arrangement, under which engineering students from Western spend a period at Laval and French speaking Canadians from Laval study at Western, was once again successful. Dr. C. Roy co-ordinates this program for Western.

### Engineering Institute of Canada Student Activities

The Student Section of this Institute met on several occasions with the local E.I.C. Branch and the A.P.E.O. Chapter. At one of these meetings Dr. K.H. Smith of Ocean Systems Inc., spoke on Underwater Engineering; at another meeting Mr. D. Matthews of The Matthews Group described construction methods and the quality of construction which he had seen in countries behind the Iron Curtain. At another highly successful meeting, the four best Fourth Year Thesis were delivered by students and Mr. B. Koba was awarded the prize of \$50.00 given by the E.I.C. London Branch. The judges were Dean R.M. Dillon, Dr. T. Allan, Professor at the University of Strathclyde; Dr. R.A. Grace, Assistant Professor at the University of Hawaii; Mr. J.C. Maguire, Manager, Engineering Division, Imperial Oil in Sarnia; and Mr. C.J. Moull, Supervising Engineer, Ontario Hydro.



Continuing low membership of first year students in the E.I.C. is thought to arise from the integrated first year program with Arts and Science because of which first year students have little motivation to engineering. Some form of instruction giving first year students an introduction to engineering should be introduced.

Mr. B. Koba was Chairman of the E.I.C. Student Section for 1968-69 and Mr. K.V. Stevens was Vice-Chairman and Secretary-Treasurer. Professor J.E.K. Foreman was E.I.C. Faculty Advisor but his great term of service comes to an end with this year. Professor W.H. Peacock has been appointed to succeed him.

## APPENDIX

### STANDING COMMITTEES OF THE FACULTY OF ENGINEERING SCIENCE 1968-1969

#### ACADEMIC STANDING AND SCHOLARSHIP

G.F. Chess (Chairman)  
W.H. Davis  
J.W. Stewart  
J.E. Zajic  
R.M. Dillon (ex-officio)

#### ADMISSIONS

T. Bonnema (Chairman)  
W.H. Davis  
J.A. MacDonald  
M.H. Sherebrin  
R.M. Dillon (ex-officio)

#### CURRICULUM

J.M. Beeckmans (Chairman)  
T. Bonnema  
I.I. Inculet  
A.T. Olson  
W.H. Peacock  
J.S. Sheasby  
R.M. Dillon (ex-officio)  
G.S. Emmerson (ex-officio)

#### GRADUATE STUDIES

E.S. Nowak (Chairman)  
A.G. Davenport  
W.H. Davis  
I.I. Inculet  
C. Roy  
J.E. Zajic  
R.M. Dillon (ex-officio)

#### EXECUTIVE COMMITTEE

R.M. Dillon (Chairman)  
M.A. Bergougnou  
J.D. Brown  
W. Bulani  
A.G. Davenport  
W.H. Davis  
G.S. Emmerson  
J.E.K. Foreman  
G.A. Geach  
I.I. Inculet  
L.S. Lauchland  
E.S. Nowak  
M.P. Poucher  
C. Roy  
K.A. Shelstad  
J.E. Zajic

#### FACULTY OF ARTS

S.H. Abu-Sitta

#### FACULTY OF SCIENCES

J.M. Beeckmans  
A.J. Frick  
L.S. Lauchland

#### LIBRARY

A.J. Frick (Chairman)  
W.H. Davis  
P.A. Rosati  
B.J. Vickery  
R.M. Dillon (ex-officio)



GRADUATE STUDIES COUNCIL

K.A. Shelstad

MEMBER OF SENATE

A.G. Davenport  
 J.E.K. Foreman  
 R.M. Dillon (ex-officio)

PUBLICATIONS AND PUBLIC RELATIONS COMMITTEE

S.H. Abu-Sitta (Chairman)  
 I.J. Duerden  
 W.H. Peacock  
 R.K. Swartman  
 R.M. Dillon (ex-officio)

PARKING COMMITTEE REPRESENTATIVE

A.J. Frick

NOMINATING COMMITTEE

G.F. Chess (Chairman)  
 K.A. Shelstad  
 B.J. Vickery  
 R.M. Dillon (ex-officio)

SHOP AND SAFETY COMMITTEE

B.J. Vickery (Chairman)  
 H. Edney (Secretary)  
 M.A. Bergounou (Safety Officer)  
 C.G.J. Baker  
 A.T. Olson  
 W. Ramakers  
 J. Watkinson  
 J.E. Zajic  
 R.M. Dillon (ex-officio)

SOCIAL SCIENCES

G.S. Emmerson



# SCHOOL OF BUSINESS ADMINISTRATION

## Report of the Dean

Professor J. J. Wettlaufer

The year ended June 30, 1969 will be a highlight in the history of the School of Business Administration. The announcement of a grant of \$403,000. from the Ivey Foundation enabled the School to develop a computer centre and provided funds for a series of research professorships as well as doctoral and MBA fellowships. On May 30, the Honorable John P. Robarts, Prime Minister of Ontario, opened the newly completed addition to the building which has made available many new audio-visual teaching aids as well as the extra office and classroom space so urgently required. Finally, it marked the first year of decentralized operation under the new system of Program Chairmen.

These significant events combined to give life to the plan of excellence which was developed by the faculty after careful study and lengthy discussion in the spring of 1968.

### ACADEMIC PROGRAMS

Enrolment in the Graduate School achieved a new record of 356 students. Registration in the M.B.A. Program totalled 340 with the following geographical distribution: Of the Canadian students 145 came from Ontario, 91 from Quebec, 27 from British Columbia, 21 from Alberta, 17 from Manitoba, 7 from Saskatchewan, 5 from New Brunswick, 3 from Nova Scotia, 2 from Newfoundland and 1 from the Yukon Territory. Other countries represented included: U.S.A., England, France, West Indies, South Africa, Hong Kong, New Zealand, Bermuda and Guiana.

The degrees held by these students included: Bachelor of Arts - 57; Bachelor of Science - 56; Bachelor of Engineering - 120; Master's Degrees - 8; Commerce and Business Administration - 67; Chartered Accountant - 15; Law - 6; Diploma in Engineering - 5; ESSEC Diploma - 2; and one each of: Chartered Surveyor, Bachelor of Pharmacy, Physical Education, Diploma in Management.

Enrolment in the undergraduate program was still limited because of space but the third and fourth years showed an increase of 4 students for a total of 148.

The doctoral program with 16 candidates enrolled is equipped to deal with all areas of doctoral study.

Degrees conferred and Diplomas granted 1968-69:

Honors B.A. in Business Administration	62
Master of Business Administration	154
Doctor in Business Administration (Ph.D.)	1
Diploma in Business Administration	8



## CURRICULUM DEVELOPMENT

On the graduate level, the Topics Courses were introduced for the first time, including: Quantitative Analysis, Control, Finance, Organizational Behavior and Marketing Planning. Special projects as an added feature of the courses gave students experience in computer simulation, field research activities and the development of new enterprises. As part of the regular MBA I course this year, a special seminar, dealing with social responsibilities of businessmen, brought together students, faculty and businessmen in a two-day workshop.

On the undergraduate level, the course, Executive Problems, was revised to include more intricate case material to bring this course more in line with present-day business demands.

## RESEARCH

Professor J.J. Di Stefano completed his doctoral dissertation at Cornell University. He has been working on a two-year study of MBA students' analytic skill and mode of perceptual style. The study is divided into three separate points of focus: (a) Correlational study (b) Change in analytic skill (c) behavioral measures. The first phase began in September 1968, the results of which have been collected and a pilot analysis is now being made; a multiple regression analysis is also planned. The second and third phases will be completed during the 1969-70 year, followed by two separate publications on the findings. Professor Di Stefano has just begun special research with Douglas Williams Associates of New York for the Cornell University Board of Trustees. The project will involve a survey of Cornell students, faculty and alumni regarding their attitudes and reactions to disruptions on the campus this spring.

Professor J. Kennedy has completed his doctoral dissertation at Stanford University and, as a result, his research project on the measures of advertising effectiveness is now complete. This was a study, using London, Ontario, as a base, of 300 residents who viewed programs in a simulated television setting. Observations were taken from individual participants.

Research to complete the revision of Professor J.T. Sears' doctoral thesis has been finished and is now at University of Toronto Press. When published, it will be part of the Atlantic Provinces Studies. Title of the manuscript is: "Institutional Credit Financing of Small Business in Nova Scotia".

In the Taxation Area, Professor J. Humphrey is continuing work on "The Effect of Industrial Expansion on Municipal Expenditures". The new taxation course was revised and improved by Dr. Humphrey, assisted by Mr. D.H. Richardson; the final version was presented in the Taxation Course in the spring of 1969. One finance case and eight notes were completed and work continued on the tax brochure for the Ontario Confederation of University Faculty Associations.

Professor J.B. Washington completed three cases with one still in progress for use in the Control area courses.

A comparison of various methods to create computer files for use in management information systems was conducted by Professor F. Zabransky. This work forms the background for the current research project which consists of creating an information system for undergraduate and graduate Business School students. Professor Zabransky continued further research on some aspects of his



Ph.D. thesis, "Numerical Solutions for Fluid Flow in Rectangular Cavities". As a result, a fifteen page paper entitled "Conveyance of Explicit Time - - Dependent Solutions of Viscous Flow Problems" has been submitted to the Journal of Computational Physics. Professor R. Knight developed and documented computer programs for faculty teaching research at the Business School.

The research activities of Dr. S.A. Martin and Mr. J. Boersema resulted in completion of a TSF computer simulation program of a trust company. A computer model together with a print-out of the program is available for use provided time-sharing Fortran facilities are available; an extra copy of the tape is also available for anyone who wishes to use it.

Professor R. Lord continued to review the teaching materials for the Business 250 course. New material was introduced and former material revised.

Professors A. Wood and J. Gordon developed six new cases and two teaching notes and Professor Gordon compiled seven cases and three notes, all for use in Production courses. Thirteen new cases were developed by Dr. M.R. Leenders and Professor J.A. Erskine during their visit to the University of West Indies. Originally, these cases were produced for use in the newly formed Business School at the University of West Indies but Dr. Leenders felt that they could be readily adapted for use here. As the result of a Job Evaluation study for Savage Shoes Limited, Professors Leenders and Erskine also developed eight cases and two notes of the Savage Case Series. The main objective was to make a beginning on a Canadian Case Book, using Canadian case material exclusively.

Dr. B. Little supervised the research of three MBA students and conducted a project on the creativity change in MBA I students. The data gathered will be analyzed and reported in the coming months. Dr. Little also completed nine cases with four more in progress. Mr. M.R. Pearce developed ten additional cases for MBA and Junior Marketing courses.

Dr. N. Fry developed four new cases and a twenty-two page note on Correlation and Regression and the Introduction to the Concept of Expected Monetary Value for Use in the Management Marketing Course.

Dr. R.E.M. Nourse wrote or supervised the preparation of seven new cases for Marketing 351 and 551 courses. Additional cases are now under development. During the summer of 1968, Dr. Nourse further refined and improved courses for Sales Management 451/651. This work represented a continuation of the major overhaul of these courses undertaken the previous year.

Dr. D. Thain completed work on the Internationalization of the Traditional Business Curriculum. An article dealing with this was published by the Bureau of Business Research, Indiana University. Dr. Thain's work in the Policy course was carried out with selective companies in the Aero-space industry. A number of confidential reports have gone out to companies concerned. Numerous course notes were originated by Dr. Thain for use in General Management; also, a number of reports were issued in connection with Dr. Thain's participation in the Task Force on Agriculture for the Federal Cabinet. Under Dr. Thain's supervision,



Mr. E. Kepper completed two cases and a note on the Insurance industry for use in the Strategy Implementation area of Business Policy and, in addition, two cases for the Organizational area. Mr. M. Fuller contributed one case for the Strategy area.

Dr. D. Kuechle, assisted by Mr. R. Fearn, developed and wrote ten cases plus the accompanying teaching notes for the Personnel and Industrial Relations courses. These include two mock arbitration cases, one collective bargaining case and one involvement exercise. They have developed three cases involving plant discipline, two grievance-solving exercises and separate cases dealing with the subjects of automation, seniority and featherbedding. In addition, they prepared two cases dealing with labor relations and public policy.

Presently, Dr. Kuechle and Mr. R. Stevens are working on teaching materials dealing with efforts of companies to build participative management programs which incorporate the ideas of Behavioral Science researchers. In addition, they expect to prepare cases dealing with organization efforts among white collar and technical employees. Within the next year, Dr. Kuechle expects to have sufficient materials to form the groundwork for a case book on Industrial and Labor Relations in Canada.

Another of Dr. Kuechle's current projects involves the role of arbitration in helping solve Canadian industrial relations disputes with special attention to the October 1968 decision of the Canadian Supreme Court, involving the Port Arthur Shipbuilding Company. This study should result in one or more articles for publication before the end of the summer.

Dr. N. Fry started research on the "Bread Study" in the summer of 1967. This work was completed this year and resulted in two papers by Dr. Fry and Mr. Frederick H. Siller. The first paper, "Correlates of Purchasing Behavior in Simulated Shopping" was presented to the Association of Canadian Schools of Business in Calgary, June 10, 1968. The second paper, "A Comparison of Housewife Decision-Making in Two Social Classes" has been submitted to the Journal of Marketing Research for publication.

Dr. Fry conducted the field work for the "Rothman's Study" in the summer of 1968. A report on the first two phases has already been sent to Rothman's and a second report on the remainder will be made early in the fall of 1969. The project was very successful and excellent material is on hand for publication which will be delayed one year according to the agreement with Rothman's. Dr. Fry is preparing materials for submission to journals for publication this fall.

Professors Portis and Washington have completed research on job objectives and motivation. The investigation of practices of purchasing agents and how these differ according to specific firm and items bought was carried out with the Bell Telephone Company and a local firm. Dr. Portis' findings will appear in the summer 1969 issue of *The Business Quarterly*: "Experiments in Worker Motivation".

The second phase of this project on job objectives and definitions in the purchasing function has also been completed with a group of purchasing agents at the Canadian Westinghouse Plant in London.

Dr. Portis participated with faculty at other Canadian Universities in "The Study of Updating the Unemployment Insurance Program" as part of the program on research for manpower management. Dr. Malcolm Golden, York University, Michael Lanphier and Dr. Portis prepared Appendix D "Analysis of Attitudes Toward Unemployment Insurance" which forms a part of a government monograph to be published soon.



Research on "The Role of Control at the Board Level" by Professor W.J. McDougall is progressing favorably but preliminary data from the research is not expected until the fall of 1969.

Last summer Professor I.R. Morgan began research on Bond Refunding Models. This study is still in progress but Professor Morgan expects to have a final report soon. He has already submitted a note to Management Science entitled "Optimal Timing of Bond Refunding", covering only the theoretical part of the research.

Professor T.R. Archibald has completed his project, "Analysis of Accounting Changes: The Return to Straight-Line Depreciation". He will spend most of this summer analyzing the results for publication.

Professor R.E. Sproule did considerable work on "Research On Leisure" in the past two years; the research is continuing into the summer of 1969. The material is now computerized and the findings will be included in a book to be published when the project is complete.

Implications of Quality Control Screening for Process Design was a project studied by Dr. Britney. It dealt with screening and process redesign as alternative strategies for upgrading quality. The findings of this study have been included in an article by Dr. Britney entitled "Optimal Screening Programs for Nonserial Production Systems Using Finite Markov Chains", which is currently under review.

Two separate studies on Bayesian Statistics were carried out by Dr. Britney. The first, "Determination of Partial Moments" was completed as a preliminary to the second phase. In the second phase, Dr. Britney tried to develop an operational approach to summarizing randomly distributed variables by point estimates. This research has been carried out in co-operation with R.L. Winkler and G.M. Roodman, Indiana University.

Dr. J.R.M. Gordon continued work on the Application of Quantitative Techniques in Production Management in Canada. This project involved the development of a forecasting model for two Canadian companies on a purely research basis. He developed a computer program to produce forecasts which he has been using for approximately six months. He is presently awaiting responses to preliminary reports sent to both organizations for assessment.

Professors Gordon and A.R. Wood worked together on an extension of the Quantitative Techniques project and in the area of developing Canadian case materials in Production Management. They have been engaged in an educational project with a major Canadian manufacturing firm. This research has been directed at the introduction of Management Science through line management involvement. To date, they have developed four cases which are awaiting release and it is expected that this number will be doubled in the coming year.

The cross-Canada survey of shrinkage practices was completed by Dr. A.G. Blair resulting in one Business Quarterly article and several Cost and Management articles soon to be published.



As a result of research on time-sharing as a means of management education, Professors B. Portis and R. Lord have written a paper entitled, "Evaluation of Time-Sharing Terminals in Executive Courses" which was presented at The Association of Canadian Schools of Business meeting in June, 1969.

Professor D.A. Drinkwater undertook two projects in the past year: (1) Relative Wage Rate Changes Among the Skill Classes in the Canada Labor Force (2) The Role of Determinants of Trade in the Decision-Making Process of the Firm.

In the field of Environmental Economics, additions were made to the case book which was developed last year for the MBA I course. A new case was developed on the changing goals of the Economic Council of Canada. Professors J.C. Taylor and J.C. Ellert compiled five notes which were used with the above case in the Environmental Course during the fall of 1968. Three additional notes were revised or rewritten.

### INTERDISCIPLINARY ASSOCIATIONS

Members of the Business School faculty participated in research and teaching in other sectors of the university.

Professor B. Portis taught a graduate course in Research Methodology for the Sociology Department and presented a paper to the Sociology Department's research seminar on "Public's Attitudes Towards Unemployment Compensation".

Professor A. Blair conducted the Accounting-Finance course at the Law School and Professor D. Wallace taught Engineering Practice for the faculty of Engineering Science.

Professor D. Kuechle worked with members of the faculty of Law to formulate plans for joint course offerings with the Business School for cross registration between the two Schools and for joint symposiums. The plan was approved by faculty and will go into operation for the academic year 1969-70.

The School appreciated the assistance which it received from Professor A. Hinnegan, Faculty of Law, Professors D. Dawson, J.H. Dunning and J.C. Leith, Economics Department and Mr. D.J. McDonald, Clarkson and Gordon.

### THE COMPUTER CENTRE

Last December, it was announced that the Ivey Foundation would give a grant of \$403,000 to support major new developments in the School of Business Administration. Part of this grant was used to purchase an IBM 1130 Computing System which was delivered to the Business School in December 1968.

During the following semester, it was used extensively by students in all the School's programs. Within weeks of installation, the system was processing jobs for over twelve hours each day.

The system is operated on an open shop basis, 24 hours a day for 7 days a week. A programmer - operator and program consultant are available to help users obtain the maximum benefit from the system. Much software has been written; for example: forecasting, heuristic programming, industrial dynamics, linear programming and simulation.



An important aspect of the computer system is that it enables the School to generate and manipulate large data banks, essential to the School's research activities. A number of current research projects have already derived benefit from the computer including: Bayesian estimation, the relation between economic development of a country and the structure of its advertising industry, and a model to explain the price of warrants.

Work is in progress on the development of a student record system which will support the selection procedures, evaluate the School's programs and eliminate some of the clerical procedures in the admissions office. The School is also investigating the feasibility of a program budgeting system which would be maintained in the computer.

### PROGRAMS FOR EXECUTIVES

The year 1968-69 marked a greater effort on the part of the Business School to meet the requirements of all business leaders in the area of management. Besides the usual Executive Courses offered in past years, an evening program in Marketing Management and two seminars dealing with Impersonal Skills and Industrial Relations were introduced for the first time. The response to all executive programs indicated a continuing interest, resulting in another record setting year.

(a) Management Training Course  
July 21 - August 23, 1968

Associate Dean Walter A. Thompson was the Course Director for the 21st annual session of the Management Training Course, which, this year, attracted 120 executives from 26 industries in Canada, the United States, South Africa, Hong Kong and Brazil. The executives attending may be classified as follows:

General Executives	39
Engineering and Production	30
Marketing	22
Accounting and Financial Officers	15
Others	14
Average Age: 43 years	

Two visiting professors from the Harvard Graduate School of Business Administration, Professor C.A. Bliss and Professor F.E. Folts, made an excellent contribution to the course. The management science sessions inaugurated last year were continued in 1968-69 under the able leadership of Professors J.R.M. Gordon, A.R. Wood and A.A. Grindlay. Other members of the faculty participating in the program included Professors J.J. Wettlaufer, J.C. Taylor, J.N. Fry and R.C. Hodgson.

(b) Marketing Management Course  
May 18 - June 6, 1969

Designed to satisfy the changing needs of marketing managers, this course was under the direction of Professor C.B. Johnston while the following members of the Business School faculty participated: Professors D.S.R. Leighton, J.T. Nicholson,



J.N. Fry, A. Mikalachki and B. Little. Ninety-four executives from all parts of Canada as well as from England, Switzerland and Puerto Rico enjoyed residence at Medway Hall with course instruction at the Business School.

(c) Business Conference  
May 29, 30, 31, 1969

"Where Will Your Business Be Tomorrow?" was the theme of the 13th Annual Business Conference which took place May 29-31, 1969. The registration increase of 115 over last year's conference is indicative of the keen enthusiasm of Canadian business executives for the topics discussed. Two hundred and sixty-five executives from across Canada attended to hear the following outstanding speakers:

Kenneth R. Lavery, Managing Partner, P.S. Ross & Partners, Management Consultants

C. Norman Simpson, President, Acres Limited

Charles B. Neapole, President, Montreal and Canadian Stock Exchanges

Oakah L. Jones, President and General Manager, The Consumers' Gas Company

David Kuechle, Associate Professor of Business Administration,  
The University of Western Ontario

Jean H. Richer, Vice-President, St. Lawrence Region, Canadian National Railways

Donald B. McCaskill, Chairman of Warner-Lambert Canada Ltd. and  
Executive Vice-President of Warner-Lambert International

Philippe de Gaspé Beaubien, President, Quebec Telemedia Inc.

Bruce McLaughlin, President, S.B. McLaughlin Associates Limited

Gordon R. Sharwood, Chief General Manager, Canadian Imperial Bank  
of Commerce

Albert W. Trueman, Chancellor, The University of Western Ontario

Dr. D.C. Williams, President and Vice-Chancellor, of The University of Western Ontario welcomed members of the conference on May 30; conference members participated in the noon luncheon on this day in conjunction with those attending the opening ceremonies for the new addition to the Business School. Dr. A.W. Trueman terminated the conference on May 31 with his discussion of "The Generation Gap".

The organization and leadership of this conference was provided by the Alumni of the school under the chairmanship of Robert N. Spear, Director of Marketing, The Kendall Company (Canada) Limited.

(d) Management Science and The Manager

Two years ago, Dr. A.A. Grindlay introduced this workshop for the purpose of providing an opportunity for practising managers to become acquainted with some of the new mathematical tools and the use of the computer. Again in 1968-69, the workshop was offered in two widely separated locations; the first took place at Banff, Alberta on February 23 - 26, 1969 with 23 managers present. The second session was held at the Business School, June 8 - 13, 1969 with representation from 44 companies. Professors Albert R. Wood, John R.M. Gordon and James A. Bartos conducted the workshop.



(e) Interpersonal Skills for Managers  
June 1 - 7, 1969

This seminar, introduced for the first time this year, was designed to increase managerial effectiveness in working with people. It was aimed at university and non-university men alike in an attempt to improve operation efficiency by a better understanding of the factors which motivate individuals and groups. Dr. Richard C. Hodgson organized and directed this course. Dr. Hodgson and Dr. Harry H. Frankiel conducted the course and discussions. Thirty-two companies were represented.

(f) Industrial Relations in the 1970's  
May 12, 13, 14, 1969

This seminar explored some of the major changes taking place with special attention to technological changes as they affect production operations. It attempted to assess the impact of these changes on traditional labor management relations and to help business managers understand their own roles as the age of automation looms more and more impressive. Professors John R.M. Gordon and David Kuechle devised the three-day seminar to deal with these questions through the use of case discussions, team teaching, and involvement exercises. Twenty-nine business managers attended this seminar.

(g) Evening Program in Marketing Management  
January 20 - March 31, 1969

This course was scheduled for the first time this year in eleven evening sessions to reach those employed during the day. It was designed for individuals whose line of work involved some phase of marketing, sales, advertising, merchandizing, etc. and who would benefit from a greater understanding of marketing functions. The course was held in the School of Business Administration with an enrolment of 64. The following members of the Business School faculty acted as course leaders: David Burgoyne, Kenneth Hardy and Robert Nourse.

(h) Other Programs and Outside Relationships

Professor D.S.R. Leighton served as Chairman of the Canadian Consumer Council, Ottawa; Manuscript Reviewer for the Journal of Marketing and is Vice-President Elect of the American Marketing Association, Chicago. Professor Leighton acted as Academic Director of the International Marketing Program, July 1968, at Pembroke College, Cambridge; he also participated as a lecturer at the Centre d'Etudes Industrielles, Geneva, October 1968, and at the Marketing Management Programs, University of Tel Aviv, January 1969, and at the University of London, May 1969.

Professor D. Thain was a member of the Federal Government's Task Force on Agriculture and acted as Co-ordinator of the Aero Space Study for the Department of Industry, Trade and Commerce. Dr. Thain spent considerable time on these two projects. He participated in the International Marketing Program at Pembroke College, Cambridge and conducted courses or seminars for Goodyear Tire, General Motors and the Institute of Public Affairs, Dalhousie University.



Dean J.J. Wettlaufer and Professor D. Kuechle held a seminar on Personnel and Industrial Relations sponsored by the Bermuda Employers Association while Professors D. Kuechle and R. Nourse held a seminar on Industrial Relations and Marketing, sponsored by the University of West Indies, Kingston, Jamaica.

A five-day Management Science workshop was designed for the Steel Company of Canada by Professor J.R.M. Gordon who, with Professors A. Wood and B. Davidson presented the course. Professors A. Wood and R.R. Britney designed and conducted a seminar for equipment engineers from across Canada for the Bell Telephone Company. Professor Gordon conducted a two-day Management Science and Computers seminar for senior officers of the Ontario Government Management Group and Professors Gordon, Britney and Sproule conducted a seminar on Inventory Control for the Canadian Association of Purchasing Agents. Professor Sproule offered a course for senior police officers dealing with supervision and communication at the Ontario Policy College, Aylmer, Ontario, September - October 1968.

On completion of his assignment at IMEDE, Lausanne, Switzerland in July 1968, Professor C.B. Johnston conducted a two-week course in Marketing Management for General Electric International at Geneva. Professor Johnston returned to Switzerland in April 1969 for a two-week Marketing Management seminar at IMEDE. In May a similar three-day seminar was held for the 3M Company at London, Ontario. Professors B. Little, A. Mikalachki and D. Thain also participated in this course. In June 1969 Professor Johnston and Professor J. Sears held a four-day Marketing Management seminar for Bata Shoe Company at London, Ontario.

Professor M.R. Leenders taught on the course for the Industrial Management Clubs of Canada and developed and presented the Case Writing Seminar held at the Business School in May 1969. A one-day seminar for the Sarnia Chapter of the same organization was planned by Professor Hodgson and Di Stefano; it was presented to 100 participants by Professor Di Stefano, February 15, 1969.

Professor W.J. McDougall took part in two special workshops in Financial planning sponsored by the United Nations Industrial Development Organization at Karachi, Pakistan, August 1968 and at Dar-Es-Salaam, Tanzania in January, 1969.

Professor D.A. Drinkwater conducted a course for the permanent staff of the Associated Chambers of Commerce from across Canada.

An Organizational Skills Institute on interpersonal and organizational behavior, sponsored by the Centre for Continuing Education, York University, was presented for one week in May 1969 by Professor H. Frankiel who also conducted a course in interpersonal dynamics in February and April 1969. Professor Frankiel designed and directed a training program for about 120 volunteers for a volunteer service organization in London.

Professor F.W.P. Jones is a member of the study committee researching the accounting for mergers and consolidations, a project sponsored jointly by the Canadian Association of Chartered Accountants and the Business School.

Professor J.R. Kennedy assisted the Course Director in the revision of curriculum for the four-year program conducted by the Institute of Canadian Advertising for employees of advertising agencies; in addition, Professor Kennedy taught in the first, second and fourth year classes.



Professor J.B. Washington co-authored a two-day seminar on computing with particular reference to the purchasing manager and, as a member of the Fanshawe College Business Advisory Committee, he was involved with the organization of the Business Division at Fanshawe. Professors Washington, Drinkwalter, Little and McDougall participated in special courses for the Canadian Institute of Plumbing and Heating.

The Marketing Group held a two-day seminar for the Ontario University Marketing Educators, February 7, 8, 1969.

At Montreal in March 1969, a two-day seminar was held for executives of the Executive Development Institute. Professors D. Thain, A Wood and B. Little also held seminars for the Automotive Industries Association and for Ronalds-Reynolds Advertising Agency on the application of Behavioral Sciences to advertising.

Professor R. Nourse held seminars for Ford Motor Company and Canada Packers; he also acted as case leader at the annual meeting of the Canadian Daily Newspaper Publishers Association. Professor D. Burgoyne assisted.

Professors W.A. Thompson, J.J. Wettlaufer, M. Leenders and J. Sears taught senior executives at the C.N.R. Staff Training Course, Lennoxville, Quebec, in June 1969.

Professors A. Weinstein and D. Burgoyne conducted a Market Management course for the Ontario Department of Education; Professor Weinstein was course leader.

Professor R.A. Patterson acted as course co-ordinator and taught the Accounting course for the Canadian Industrial Management Association. Professor D. Burgoyne instructed in the Marketing Section.

#### OPENING OF THE ADDITION TO THE BUSINESS SCHOOL

The construction of the new addition, which more than doubles the physical facilities, was begun in March 1967 and completed in March 1969.

On Friday, May 30, 1969 the addition was officially opened. One hundred and fifty-four invited guests inspected the new wing and gathered in the Auditorium for the opening ceremonies where A.E. Shepherd, Chairman of the Board of Governors, acted as chairman. The invocation, offered by Rev. A.J. Farquhar, was followed by remarks by Dean J.J. Wettlaufer. Mr. J.E. Brent, Chairman of the Advisory Committee, introduced the guest speaker, the Honorable John P. Robarts, Prime Minister of Ontario. Dr. D.C. Williams, President and Vice Chancellor of the University expressed appreciation.

Dr. G. Edward Hall, Mr. R.G. Ivey and Mr. W. Harold Rea were honored as platform guests in recognition of their contribution to the School.

The invited guests plus 265 participants from the Annual Business Conference joined in a luncheon at Somerville House.



## THE BUSINESS QUARTERLY

THE BUSINESS QUARTERLY had an unusually encouraging year with a 15% increase in paid circulation and a 68% renewal rate. Increases in the sale of advertising, reprints and copyright facilitated the expansion of the magazine toward its goal of an annual readership of 100,000 by 1972.

Thirty-five thousand copies of the magazine were printed during the year and the new design of the magazine, introduced in 1967, continued to attract wide acceptance from readers and advertisers.

In spite of continued rising costs, significant operational economies were achieved while maintaining the highest quality of offset printing, paper and four-color covers.

The large number of manuscripts received allowed a choice of articles to be made on a highly selective basis. The submission of articles by authors of outstanding ability is an indication of The Business Quarterly's growing international reputation as a management journal.

Thirty articles were published in addition to 24 regular features. Eight of these articles were written by members of the various faculties of the University. The balance were written by academicians from other universities, government officials and leading Canadian businessmen.

Value of these articles for continuing-business-education programs is reflected in the fact that 5363 reprints were sold. This is a 23% increase over the previous year. Fourteen publishers requested permission to reprint articles and a growing number of readership services in Europe and the United States carry summaries of articles appearing in each issue of THE BUSINESS QUARTERLY.

## THE JOB PLACEMENT PROGRAM

An upward trend in participation both by companies and students was observed during the 1969 Placement Program. One hundred and ninety-seven companies were involved and conducted 2,537 personal interviews at the School of Business Administration, resulting in the placement of 335 students in summer and permanent jobs.

The Intern Program continued to expand in its third year of operation resulting in the involvement of 34 companies and the employment of 58 MBA I's in project-like jobs this summer.

The Placement Program is under the direction of Mr. Neil Armstrong who is a member of the Research Committee and the Executive of the College Placement Council. Mr. Armstrong is assisted in this area by Mrs. Margaret Park.

## STUDENT AFFAIRS

The nature of the teaching-learning process in the School requires a close relationship between faculty and students. In addition to this classroom experience the students are involved with the faculty in many other projects.



- (1) Job Placement - graduates and undergraduates act as hosts to companies participating in the program.
- (2) Parents Day - the undergraduate Business Council arranged a one-day program which enabled their parents to see the School facilities and participate in a "case problem" discussion. There were approximately 250 parents and students involved in six classroom sessions.
- (3) MBA New Student Orientation - the MBA Association developed a plan whereby the incoming MBA students were personally welcomed by MBA II students in various cities across Canada. In London, Toronto, Montreal, Winnipeg and Vancouver, the MBA Association set up meetings in which they used a slide presentation on life at Western and offered assistance in housing, employments for wives and other areas of concern
- (4) Conference on Social Problems - the first year MBA class initiated a new program to address current problems facing Canada and Society. The topics were presented by outstanding men in their fields including pollution, consumerism, labor-management disputes, urbanization and racial problems.

The Business Council and the MBA Association are an integral part of the operation of the School and merit appreciation for their outstanding contribution to the work of the School.

#### GENERAL

The need for skilled managers is now recognized not only by the business community, but also by hospitals, educational institutions, governments at all levels and by the Economic Council in its Fifth Annual Report. With its new physical facilities and the warm support of the university community, the faculty of the School of Business Administration is ready to meet the challenge of the seventies.



## SCHOOL OF LIBRARY AND INFORMATION SCIENCE

### Report of the Dean

Professor Andrew D. Osborn

The School is now rounding out its second year of academic studies. Very fortunately no pressure was ever put on it to have large numbers of students in these formative years. Consequently the Faculty has had time to develop a sound progressive program and to get much of the work of the School really well founded. In fact it is possible to say that already the SLIS facilities and work are as fine, in general, as can be found anywhere; in important respects they are finer; while on the other hand there are still gaps to be plugged, some of them of quite a serious nature. The two years have also laid a foundation on which the School will henceforth be able to handle large numbers of students excellently, at the same time that it undertakes new responsibilities, these notably in the form of research activities and the inauguration of the first doctoral studies in library and information science in Canada.

### CONVOCATION

Thirty-two graduands had the degree of Master of Library Science conferred on them at the fall convocation in 1968. Sixteen more had the degree conferred at the spring convocation in 1969. These were the first students to earn the M.L.S. at Western. One of the graduates returned to Taiwan; all the others were well placed in Canada.

### ACCREDITATION

In addition to the first graduates another significant event of the year was the accreditation of SLIS in January, 1969, by the Committee on Accreditation of the American Library Association. The School is the fourth in Canada to be accredited. McGill was the first; it was followed by Toronto and then by the University of British Columbia.

A strong C.O.A. Committee visited SLIS for four days in October, 1968. Members of the Committee were: Dr. Margaret Monroe, Chairman, Director of the Library School at the University of Wisconsin; Professor John Archer of Queen's University who was formerly librarian of McGill; Professor Pauline Atherton of the School of Library Science at Syracuse University; and Dr. Robert Lee, Director of the Department of Librarianship at Kansas State Teachers College. The Committee gave primary attention to the new methods of instruction which the Faculty has developed and is perfecting. It said: "As the Faculty develops its highly innovative curriculum, it should record and publish the program's rationale, structure, and operation for the benefit of library education as a whole." And it went on to say: "The Faculty, building on its unique experience in seminar method, should make a detailed analysis of its use and adaptations with the help of one or more specialists in learning theory, and present an assessment of this to library educators and to the Committee on Accreditation." So far the pressures involved in establishing the School and in preparing for appreciable numbers of students have prevented such writing and publicity.



The Committee on Accreditation urged that a full-time specialist in information science be added within a year, if at all possible, to the Faculty. There are two problems to be faced here: the first is that specialists in this area are scarce; the second is that there are still fewer people who have the point of view that SLIS wants to have represented. Pretty surely the solution to this problem will be found by the special preparation of one or more of the students in the School, and the prospects in this direction are bright.

The Committee also said that a full-time specialist in children's service should be added to the Faculty. Professor Alexis Jamieson, who began teaching in July, 1969, brings strength in this field from her experience in the Children's Department of the Brooklyn Public Library. In addition both Miss Eleanore Donnelly of the London Public Library and Miss Barbara Smith of the Mississauga School District are teaching in the field of children's librarianship.

The Committee said that the School should analyze the percentage of foreign students over the next two years and review its admissions policy at that time. This recommendation has been referred back to the Committee on Accreditation because the great majority of non-Canadian students in the School are landed immigrants. In accepting landed immigrants SLIS is following the practice of all other schools in North America.

### CONSEQUENCES OF ACCREDITATION

Projections for the growth of the student body, made for the Province and the University, suggested a steady increase year by year in a building designed for a hundred full-time students which would be added to in 1971, to keep pace with the growing student body. But these projections were completely wrong. Accreditation is a powerful factor in attracting students, especially when combined with the School's successful methods and with admission of candidates to a sixty-unit program when they have a three-year Bachelor's degree. Throughout 1969 applications and acceptances ran at an unexpectedly high rate; they can be expected to continue at this level in the years ahead. Quite clearly SLIS is now well established and accepted.

With the summer term plus the summer session a new timetable for the seminars had to be devised. From that time on the School is operating from 8 a.m. to 9:30 p.m. Monday through Friday and with seminars on Saturdays as well. All physical facilities have been developed as far as can be to meet the pressures. A new small seminar room, to seat 30, is being constructed out of space in the AV Laboratory. But the urgent need is for one more large seminar room, to seat 60. Because of the need for prompt action it should undoubtedly take the form of a portable classroom for the time being. Seating in the Library has been increased to 112 and in the student lounge to 40. Additional lounge and toilet space are required for the students who are now, as an interim measure, using the Faculty facilities as well as their own.

Very definitely the whole building is being used intensively; it is overcrowded. It has the lowest ratio of nonassignable space of any building in the University. The seminar rooms are in almost constant use with, for the most part, only five to fifteen minutes for the change of classes. It is not good planning for 60 students to leave a seminar room to be replaced by a similar number in so short a turnaround time, leaving no time for informal discussions with the instructor at the end of a seminar. The caretakers have difficulty in finding opportunities to clean



the big seminar room; but the worst aspect is that it is not possible to enrich course offerings until more seminar space is available. The location of the School, on the edge of the campus, does not make it practicable to schedule seminars in other University buildings; and even if it were, virtually only the Business School has the type of seminar room which SLIS requires for its type of instruction.

With the prospect of a portable classroom, which will provide a second large seminar room, the School has set 220 full-time students as the ceiling for enrolment until further regular space, very possibly the permanent building, can be erected.

## FACULTY

In July, 1968, Professor William J. Cameron, who had been a visiting lecturer in the School, joined the Faculty full-time and with the rank of Associate Dean. His contributions to SLIS can in part be expressed by saying that thanks to his efforts we have special-collections resources within our own control such that no other school in North America possesses; and at the same time we have the expertise to foster meaningful research work in analytical and descriptive bibliography, again as no other school in North America is doing.

When the National Librarian of New Zealand retired, SLIS invited him to come for a period of two years to direct our work in the field of administration. Professor Geoffrey T. Alley has carried out a very successful program in this area and in particular has developed the resources for studies in the field of library architecture.

In July, 1968, Professor Geoffrey R. Pendrill joined the Faculty. He had been teaching in the library school at Sheffield University. Because of his years of experience as a medical librarian and his special interest in medical history, the Faculty of Medicine accorded him a joint appointment.

For the fall term Professor Jean P. Whyte from the University of Sydney taught the basic professional work and produced great enthusiasm in the students. Dr. Talman, the University Librarian, taught the first course in Canadiana, and he was followed by Dr. Henderson of Huron College. Miss Eleanore C. Donnelly of the London Public Library took over the work in Children's Librarianship in the winter term.

Three members of the first graduating class were added to the Faculty as tutors. They were Samuel O. Alexander, Robert E. Morton, and W. Norman Murray. The last named has been the head tutor. In addition Mrs. Shirley Edgar, a graduate of the Michigan Library School, was a part-time tutor in the fall and winter terms and was full time in the summer term. Two other members of the first graduating class, Ernest Lee and Minni Sood, joined the School's Library as assistant librarians.

Professor Edouard Reitman, who was a foundation member of the Faculty, retired at the end of June, 1969. He had principally been concerned with establishing and developing the School's work in the field of linguistic studies. Miss Maxine Rochester, who had been the School's Librarian, also resigned in June, 1969.

Professor Laura Colvin spent the summer of 1969 as an external examiner in the library school at the University of Ibadan in Nigeria.



When the School was being established the Faculty spent long periods of time planning the academic program. Much was done in Faculty meetings to advance the original thinking. Then in December, 1968, the Faculty spent three full days at Chatham rethinking and reshaping the academic work. The method proved to be so successful that it was decided to make these three-day review sessions an annual event.

### STUDENT COUNCIL

Representatives of the Student Council had for some time attended Faculty meetings as observers and had submitted items for the agenda, participating in the discussions. During 1969, however, the Faculty voted to make the representatives full voting members. The arrangement is that the Student Council will be represented in the ratio of one student for each other five members of the Faculty.

This has been a most successful development. The student representatives have contributed really profitably to the discussions on all occasions. The system has worked out so happily that it is being provided for in the School's constitution.

### LIBRARY

At the end of June, 1969, the School's Library had 29,104 volumes on the shelves. There are many thousands of volumes to be added to the collection and a major drive on the unprocessed material is planned for the new academic year to get it into commission. All the processed and unprocessed resources have been built up with very great enterprise and despite the fact that at least three-fourths of the professional literature is out of print. Moreover no volumes have come from Lawson's Z collection; instead the entire SLIS Library resource has had to be acquired in the past three years. There have been numerous expeditions in North America to procure items; and the Dean and Mr. Hotimsky have made two trips to Europe gathering in books and journals. One consequence of Mr. Hotimsky's visits to Russia is that the School has the finest collection of Russian library science in any library school outside the Slavic countries. A trip made to Czechoslovakia in August, 1968, (at the time of the Russian intervention) and to Great Britain produced 8,765 volumes at an average cost of \$3.77 per volume, travel costs being included in that figure.

It is remarkable how many of the items on the most-wanted list have been obtained in one way or another. There did not seem to be much prospect of acquiring the Bliss Classification, but the original edition was found in a charity bookstore for 75 cents and the final edition was discovered in a library's duplicates. Miss Bernice Field, Associate Librarian at Yale University, gave us her very scarce set of the much-needed periodical Serial Slants. Another notable acquisition was the first edition of Sir Thomas Bodley's letters to his librarian even though we still lack the Oxford University Press reprint of 1926. The eight-volume catalog of the British Museum, published in 1813-19, was still another find. A very rich collection of nineteenth-century publications came from the former library-science holdings of the Essex Institute Library in Salem, Massachusetts. There were 7,623 items in that acquisition. Included was a complete file of the annual reports of the Astor Library as well as numerous nineteenth-century book catalogs. The Essex Institute material alone laid a firm foundation for studies in North American library history.

Keyes Metcalf, formerly Director of the Harvard University Library, gave 1,200 volumes to the School from his private library. These included runs of periodicals in addition to many scarce monographs.



Wyllis Wright, who retired as librarian of Williams College last year, turned over the balance of his private professional library to the School in 1969; the first part was reported in 1967-68. Since he had been Chairman of the Catalog Code Revision Committee of the American Library Association for many years, and had been connected with numerous important library activities, the books and periodicals which he made available were a rich addition to the School's holdings.

The following is a summary of the volumes received by gift and exchange from various sources.

Library of Congress	7,175
Johns Hopkins University Library	2,012
Yale University Library	769
University of Melbourne Library	688
United States Book Exchange	607
Lenin State Library	476
Saltykov-Shchedrin Library	446
Library of Foreign Literature, Moscow	305
Other sources	2,286
Total volumes received by gift and exchange	<u>14,764</u>

In addition 19,903 volumes were acquired by purchase, making a grand total of 34,667.

SLIS is receiving 539 current periodicals. Of these 157 come as gifts and 15 by exchange.

The circulation of books for home use from the School's Library was 16,096.

Quite a number of books which are unique on the campus have been consulted by students and faculty members from other departments of the University despite the fact that so far the School's holdings are not yet listed in the Lawson catalog. It is hoped that this deficiency can be remedied in the next academic year so that the School's resources can make a still greater contribution to the work of the University as a whole.

Over 20,000 volumes of general interest which were acquired by the School have already been sent to the Lawson Library. At least as many remain to be transferred as soon as Lawson is able to handle them. In addition to these contributions the School has on quite a number of occasions been able to advise Lawson of the availability of resources which could be acquired. And it was through Dr. Cameron's personal acquaintance and efforts that Lawson was able to acquire one of the world's preeminent Milton collections. Unquestionably SLIS, with four outstandingly good book collectors on its Faculty has already enriched the research resources of the University greatly and will continue to do so.

### RARE BOOKS

The rare-book resource now numbers some 6,000 volumes. We have now nearly completed a comprehensive collection of the editions of Dr. Johnson's Dictionary. Only one major edition, the eleventh, and two variants of earlier editions are lacking. About half the "abstracted" editions have been acquired. This is the



second best collection of Johnson's Dictionary in North America, the best being in private hands in the United States. It includes one or two hitherto unrecorded editions and is being used by the students for research purposes. It is expected that one of the research contributions will be published this coming year.

Examples of incunabula now number 14, mostly of Italian origin. An unknown edition of Cotgrave, a first edition of the Della Crusca, and a number of other key foreign-language dictionaries have also been acquired. Bibliographies and bibliographical catalogs include the very fine catalog of Baron Rothschild's library published in 1884. The pre-1876 collection of library-science publications has grown substantially. The Dean gave a number of manuscripts of Ranganathan.

Modern acquisitions include T.S. Eliot's copy of D.H. Lawrence's published correspondence. A first edition of Lady Chatterley's Lover was added to the growing collection of editions of that novel, the bibliography of which still has points to be clarified and which in itself is important for the School's censorship collection. An important work from Hitler's private library, and with his bookplate in it, was picked up from the duplicates in a library.

### COMPUTER CONTROL OF INFORMATION

The so-called literature explosion (or, as the Germans say somewhat more accurately, the avalanche of publications) is one of the School's greatest concerns. Basic research is an absolute necessity if desirable controls are to be developed to meet the vast quantity of material which is appearing in many forms and languages all around the world. But it is sad to have to report that now two generations of students have graduated from SLIS without much more than discussion of the problems of computer controls. A console was finally installed this year; it is being paid for monthly; yet still it is not operational. SLIS has been living on promises, this in spite of the fact that computer studies are essential to its work and the School's philosophy and potential are such that it is in a position to make important contributions to vexed questions.

The Stevenson Hall setup has been inadequate in other respects. There are times in the year when its computer is unavailable for research purposes for extended periods because of the prior needs of the Comptroller and the Registrar. The accounting leaves a great deal to be desired. Accounts have not carried a record of actual computer time consumed; and SLIS is constantly billed for work done over a number of times because of errors made by the computer staff. Almost all work has been delayed, as a rule quite seriously.

Consequently discussions have been carried on during the year with the Althouse College of Education to see whether the School's work can be accommodated there. Such an arrangement is a distinct possibility when the Althouse computer is upgraded.

Actually one of the greatest of the computer problems faced by SLIS is the need for very substantial storage capacity. Most computer applications call for comparatively small storage capacity. In the library field, however, the data banks can be really tremendously large and should be capable of being tapped by numerous search requests simultaneously. If these conditions cannot be met the computer will have comparatively slight value in the area of library and information science except



for small bodies of documentation. The solution may well be that SLIS will eventually have to acquire its own computer so the question of storage capacity will not be a limiting one.

With the prospect of Federal Government support in the field of science-information work, it is very important for the University to plan a concerted program. Some discussions have taken place during the year; but the time is at hand when long-range planning should be undertaken.

### EQUIPMENT

Gradually the School has been able to build up the equipment that it needs for its work. The Bindery is now operative and is coming to the position in which it will fully serve its demonstration purpose. An offset printing press was added to the print shop and has enabled the School to do a modest amount of printing, but by no means as much as is desirable. A map case has been acquired and a demonstration collection of some 5,000 sheet maps has been arranged for from the duplicates of one of the major map libraries.

In the Library, the Bell Telephone touchtone-dial equipment has made possible a new circulation system connected with the computer. The telephone will be utilized in a still more important way by being connected with the console for the extremely rapid recovery of information. The circulation system was in part a test of the system the School is developing for information retrieval. This particular application is said to be just the second installation of the touchtone-dial telephone in Canada for information work.

### ALUMNI

The Alumni of the School have formed their own association and have edited and printed their own Alumni Bulletin. The typesetting was done on the School's linotype, the printing on our demonstration printing presses. A number of the alumni have returned to take special courses in SLIS.

### LONDON PUBLIC LIBRARY

All through the foundation years the London Public Library has supported the School and its work excellently. This year the School sent a letter of appreciation to the Chairman of the Board for all the contributions the Public Library has made. Among other things, the students make excellent use of the Public Library facilities. The School is tremendously grateful for the fine spirit of co-operation that exists between the London Public Library and SLIS.

### PROVINCIAL SUPPORT

The Province has continued the special grants it has made to the School to enable it to become well established. Comparatively few of the features of SLIS would have been possible without the fine financial support in the formative years. There can be no question but that the excellent funding was a major factor in the School's being accredited as quickly as it was. Because of the relatively strong budget the Faculty was able to plan and to carry out a series of operations which otherwise would have been impossible or would have been developed on a much smaller scale.



It is very pleasing to be able to say such things because librarianship is a profession which quite generally has lacked adequate financial support. Now, however, in view of the technological change that is beginning to take place, and in view of the vastly greater financial support which school and university libraries at least are receiving, faculties such as this definitely need strong financing so that they can prepare their graduates for the broader viewpoint and the greater responsibilities that they should be ready to take and to carry as professional librarians. To too great an extent it is true that libraries in Canada are a generation behind those in more advanced library countries. Much must be done in Ontario to close this gap and the School believes that it is making an important contribution to the Province and the University by preparing people with deeper insights and a greater awareness of the contributions they can make, than was possible with the more limited financial support which library schools established at an earlier time had to manage. Without doubt the contribution of the Province has made the success of SLIS possible.



## ALTHOUSE COLLEGE OF EDUCATION

### Report of the Dean

Professor W. S. Turner

This year Althouse College of Education experienced a marked increase in enrolment in its winter program. The total number of students enrolled in September, 1968 was 533. The summer program enjoyed continued popularity. In the initial eight-week course the registration numbered 815 students while 571 others attended the completing seven-week course. There were, in addition, 245 students attending a six-week Type A seminar course leading to the obtention of a Type A Teaching Certificate valid in the Province of Ontario. Another 404 students were registered in a series of special summer courses in such diverse areas as school librarianship, physical and health education, technical and vocational courses and business and commerce. For the full twelve-month academic year, the total registration in all courses reached the imposing figure of 2,568 students (see Appendix at end of report).

In order to provide space and facilities for the summer operation, rental of two secondary schools was sought from the London Board of Education. Althouse College is most grateful to the London Board for its co-operation and for the excellent facilities that are so readily provided in time of need. We are also indebted to the London Teachers' College for placing the College at our disposal during the summer months.

A last minute resignation in the Art Department during the late summer months forced us to seek new avenues for the training of students in the Art option. We were able to twin with the Fine Arts Department on the Main Campus and Beal Secondary School. The former gave the course in Art History while the latter offered the methodology courses. We are indeed appreciative to Dr. W.S. Dale and Mr. John O'Henley for their co-operation and assistance.

Under the sponsorship of Canadian Universities Service Overseas, Althouse College offered a six-week training and orientation course for some 150 volunteers destined to serve for a period of two years in West Africa. This program was under the able direction of Professor Donald Simpson.

Several College committees were actively engaged in their respective areas of responsibilities. The Academic Policies Committee undertook to study and review the College certification program. Their study resulted in a substantially altered program which will be implemented in 1969-70 and at the same time will be the object of constant scrutiny and evaluation.

The Graduate Studies Committee worked diligently on plans for graduate courses and programs for in-course students and practising teachers.

In anticipation of specific problems to be met in setting up a program for Teachers Returning From West Africa, Althouse sent two teams, Professors J. Sanders and J. Wright and Professors K. Kenney and J. Smallbridge to West Africa to tour schools and discuss their programs with African educators.



In addition to their normal duties in the College, members of the Faculty contributed in a variety of ways to educational programs and activities, as well as research and publications. The involvement in various forms of activities is herewith listed by Departments.

### BUSINESS AND COMMERCE

Research projects included a computer timetabling project shared through Professor Zabransky of the Computer Science Department. The final report of this research has not been completed.

Members of the Department were active in conducting workshops and giving seminars across Canada, including a four-week methods course for the Department of Education for the Province of Manitoba, and their Computer Department has been visited by over 2,000 secondary school children during the year.

### CLASSICS

Professor G. Lambert returned from study leave at the University of Toronto in 1968. In August, 1968 Althouse College co-sponsored the first summer workshop in Latin in Ontario, known as 'The Brock University Latin Institute'. Professor Lambert is Book Reviews Editor of Classical News and Views and in May of 1969 he initiated the planning of a new classical association for university and secondary school teachers in the London area.

### DEPARTMENT OF ELEMENTARY EDUCATION

Dr. Madeline Hardy (Language Arts and Social Studies) and Professor K. Kenney (Mathematics and Science) found it necessary to acquire additional accommodation for the Elementary Education option.

As well as acting as President of the Ontario Council for Exceptional Children during 1968, Dr. Hardy undertook speaking engagements at many conferences and Professional Development Days and participated in the Department of Education Language Arts winter courses in Huron, Norfolk and Lambton counties. In May of 1969 she made a study tour of schools and colleges in England, assisted by the British Council.

Professor Kenney, Department Chairman, was co-principal of the Westminster Township Winter Course on Math and Science of the Environment from September 1968 to March 1969.

### ENGLISH

Professor E.R. Procunier adjudicated three drama festivals sponsored by the Ontario Secondary School Drama Festival in southwestern Ontario.

Professor P.J. Linden spoke on a panel under the auspices of the Halton County Board of Education and attended CTE/NCTE conference in Calgary, Alberta and Moorehead, Minnesota.



GEOGRAPHY

Professor R.C. Langman served as a councillor on the Huron-Erie Geography Teachers' Association and completed course work on his Ph.D. program in Geography.

Professor R.S. Inch continued work on his Master's thesis and has been active in the field of outdoor education.

GUIDANCE

Professor Peter Schmidt continued as a graduate student enrolled at the Ontario Institute for Studies in Education while fulfilling his duties at Althouse. He was president of the Ontario School Counsellors Association and served as National Director of the Canadian Guidance and Counselling Association.

Professor Harvey Hassard acted as Principal of the summer courses in Guidance.

HISTORY

Non-credit courses were offered by the History Department during the summer of 1968 and the winter of 1968-69 with an attendance of over 80. This department also gave lectures and demonstrations to students enrolled in credit courses given by the Department of Education.

Professor J. Bowden completed a survey of Lobo Township for the Architectural Conservancy of Ontario.

Professor D. Gray was seminar chairman of the Canadian History Symposium, McMaster University.

The department, in partnership with the Ontario History Teachers' Association and the History Department of U.W.O., organized a two-day conference for history teachers. Professor G. Milburn directed a four-day seminar for Grade 12 students, under the sponsorship of the United Nations Association of Canada and The University of Western Ontario.

HISTORY OF EDUCATION

In June, 1969 this department hosted the annual two-day conference on the Foundations of Education. All members of the department held executive offices in this Association.

MATHEMATICS

Professor G. Lawson served as acting head and was a counsellor of the Ontario Association of Teachers of Mathematics. He was chairman of the Regional Conference of this Association held at Althouse in October of 1968 and during the winter conducted an introductory course in computer programming for Mathematics students, on a voluntary basis. Professor Lawson was the Western Ontario representative to the National Conference of Teachers of Mathematics.



Professor D. Campbell was an active member of the Ontario Association of Teachers of Mathematics as well as teaching a grade ten class of Mathematics at H.B. Beal Secondary School.

### DEPARTMENT OF MODERN LANGUAGES

Professor M. Baldwin taught a full French 10 course on Campus and acted as course chairman.

Professor W.E. Kieser taught a Grade VIII class at Orchard Park Public School from September, 1968 to June, 1969.

### MUSIC

Professor D. Woodburn served as an adjudicator at music festivals held at Listowel and Bancroft. He was active in the committee which hosted an Ontario Music Educators' Association Workshop for 550 delegates in London.

### PHILOSOPHY

Professors B. Houston and P. O'Leary continued work on their Ph.D. thesis topics.

### PHYSICAL AND HEALTH EDUCATION

Professor N. West completed a two-year term as Vice President for Health Education and was elected membership chairman for C.A.H.P.E.R., an organization for health educators. He was awarded an honorary membership in the Royal Society for Health, Great Britain.

Professor W. Paterson continued as secretary of the Ontario Physical and Health Education Association.

All staff members continued work on their M.A. degrees.

### PRACTICE TEACHING

In the 1968-69 year 753 teachers in 107 elementary and secondary schools in southwestern Ontario assisted in the practice teaching program by accepting students into their classrooms for observation and practice teaching.

### PROFESSIONAL PRACTICE AND ADMINISTRATION

Professor G. Allison in his capacity as chairman of a sub-committee of the Graduate Studies Committee submitted a brief outlining a graduate program in Educational Administration. He also served on the Ontario Secondary Education Commission, a senior committee of the Ontario Secondary School Teachers' Federation.

### DEPARTMENT OF PSYCHOLOGY AND SOCIOLOGY

Dr. James Sanders completed his dissertation for the Ph.D. degree for Ohio State University. The title of his thesis was "A Developmental Study of Preferences for Television Cartoons".



Drs. A.G. Slemon and F.B.W. Harper have continued their research on student-teacher assessment. Dr. Harper had the honor of being a visiting Associate Professor at the University of California at Berkeley. He also served as Senate Representative for Althouse and as a member of the Senate Selection Committee for Senators from the outside community.

Dr. J.G. McMurray, chairman of the department, served as a member of the Ontario Board of Examiners in Psychology and was the Ontario representative on the American Association of State Licensing Boards.

Dr. A.G. Slemon was President Elect of the Ontario Psychological Association.

### SCHOOL LIBRARIANSHIP

The concept of library is changing from that of an institution which deals only with print materials to one which uses all media. Professor E. Gordon has been successful in developing a course in keeping with the changing times.

On June 30, 1969, Dr. W.S. Turner retired as Dean of Althouse College. The University of Western Ontario and the Faculty of Althouse are deeply indebted to Dr. Turner for his untiring work at planning and establishing the College.

As first Dean of this institution, he worked in close co-operation and harmony with both the University and the Department of Education. His wisdom was reflected in his ability to select a well-qualified and competent faculty. Through constant dialogue with his colleagues, he was able to devise a good basic program for teacher training. He also established a good rapport with the secondary schools in the area. The quality of the graduates from Althouse will stand as a tribute to Dr. Turner's contribution to the College.

Dr. Turner will remain at the University as Assistant to the Vice-President (Academic). All those who worked with him wish him well.

### SUMMER SCHOOL ENROLMENT - 1968

<u>Initial Eight Week Course</u>	<u>No. of Students</u>
Professional Practice & Administration	815
Psychology	815
English	296
French	86
Geography	86
History	218
Home Economics	35
Latin	42
Mathematics	209
Music	10
Science	263
Business & Commerce - Single Option	67
- Double Option	80
Physical Education - Men	151
- Women	106
Number of Students enrolled as of July 5, 1968	<u>815.</u>







## SUMMER SCHOOL ENROLMENT - 1968 (Continued)

School Librarianship Course

Intermediate Part 1	20
Intermediate Part 11	26

Physical Education Specialist Course

Men	14
Women	14

Vocational Type A, Part 1

56

Vocational Type B, Part 1

72

Occupational Type B, Part 1

4

Vocational Type B, Part 11

76

Occupational Type B, Part 11

7

Regular Business & Commerce

117

406

## WINTER SESSION 1968-69 ENROLMENT

Total number of students enrolled as of October 1, 1968 - 533 (316 Male  
217 Female)

## Academic

## Type A

## Type B

	Male	Female	Male	Female
Agriculture	3		3	
Art		1	2	9
Biology	5		29	20
Business & Commerce			19	9
Chemistry	3		18	2
Economics			19	
Elementary			16	72
English	7	10	70	74
French	4	8	14	46
Geography		8	15	7
German	3	1	1	4
Guidance			23	35
History	6	15	83	33
Home Economics		3		5
Latin	1		7	10
Mathematics	4	1	20	8
Music	1	1	1	2
Physical Education	6	3	21	17
Physics	7		14	
Political Science			12	2
School Librarianship			12	16
Spanish		1		1
Theatre Arts			12	14



## WINTER SESSION 1968-69 ENROLMENT (Continued)

Vocational & Occupational	Type A		Type B	
	Male	Female	Male	Female
Vocational			59	4
Occupational			6	1



# THE SUMMER SCHOOL AND EXTENSION DEPARTMENT

## Report of the Director

Miss Angela M. Armitt

Adult or Continuing Education has become a way of life. Whether it be a desire to gain more knowledge to keep up with the young people of this generation, a need to know more about recent developments in technology or the search for inner satisfaction that comes from further study, parents, teachers, housewives, business men and women, and people from many other vocations are seeking courses in new and different disciplines. Adults who would never have dreamed, ten years ago, of continuing their education have now started work on degrees, and whereas years ago they might have started but never finished for various reasons, now nothing stops them from completing their work.

A flourishing campus at Owen Sound, a rapidly growing Night Summer School, a steadily increasing registration in Day Summer School and in night Extension Classes during the winter all testify to this growing interest in further education.

The need for planning sometimes has had to give way to more urgent and immediate demands for conferences, seminars and short courses. Other Departments of the University have been working with the Summer School and Extension Department to offer courses needed either to update their members or to act as discussion centres for problems arising in this new age.

More recently the non-credit division of the Department has taken great strides to meet the needs of such professional groups as nurses, bankers, industrial accountants, real estate appraisers and welfare workers. By reaching out into the community, the University is becoming a focal point for the people in the surrounding counties.

With growth of all programs in the Department, additional requests have had to be made to faculty. The Department has greatly appreciated the willingness of many faculty members to take on additional work for our students.

### SUMMER SCHOOL

#### Day Summer School

The total summer enrolment increased from 2188 in 1967 to 2480 in 1968. Of these, approximately 2000 were registered at Day Summer School, 370 for Evening Summer School and 123 for the Owen Sound Summer School. Total staff for the three operations numbered close to 120 instructors. Of these 10 were visiting professors. The registrations for Honors Courses increased from 280 to 315 with courses at the honors level being offered in Chemistry, English, French, Geography, History, Latin, Mathematics, Physical Education, Political Science, Physics and Zoology.

Some students who formerly found it very difficult to take two courses in the short space of Summer School now find it most satisfactory to take one course at Evening Summer School and one at the day session.



The Summer School Students' Association produced a newspaper and arranged some cultural and social events on campus with a program by the choir as a feature of their final banquet. The music students at the 1968 Summer School were fortunate in having two exponents of the Kodaly System from Hungary spend two days visiting all the music classes.

The International Nickel Company continued to give a grant to high school teachers of Mathematics and Science. Seventy-two students at the 1968 Summer School received bursaries to the value of \$5740.00 (21 were later to receive \$1460.00 in grants for fall extension courses).

#### Owen Sound Summer Campus

A Summer School had been initiated in 1967 in Owen Sound with 107 credit students. By 1968 the number had jumped to 123 students taking 151 courses. There were in addition a number of people taking courses non-credit for interest. A number were enrolled in an Efficient Reading course. In addition to local people, seven students were registered from the London area, six from Toronto and others from Larder Lake, Parry Sound, Peterborough, Sarnia, Stratford and Saskatchewan.

The Owen Sound Board of Education offers the University its facilities at West Hill Secondary School free and has been most helpful and co-operative in offering air conditioned classrooms. County Councils and the Owen Sound Board made grants to the library which is being built up in West Hill Secondary School.

The interest of the community for a forty mile radius has been most gratifying and the school is likely to enjoy a steady growth in the next few years. Students are coming from many parts of the Bruce Peninsula as well as from points much farther away, as indicated above. The holiday setting is an attraction as well for University faculty who have been teaching in Owen Sound classes.

#### Evening Summer School, May 1969

The rapid growth of Evening Summer School from 236 students in 1967 and 370 in 1968 continued into 1969 with an even greater rate of increase. In May, 1969, Evening Summer School opened with 16 courses and a registration of 600. Registration was particularly heavy in Computer Science and Geology. Students in the Dramatics class were fortunate in the evening session to work with Professor Peyroux who was the Director of the Professional Theatre Company on campus. Dramatics 46 became a very vital participatory course and theatre production became more meaningful because students worked closely with the summer company.

Students were limited to one course at Evening Summer School. However, a regulation recently passed by the Senate will make it possible next year for students to take two courses if they so wish in summer evening classes. There was an increase in the number of mature students applying for this night session which has proved very popular with the working community since many of these students are unable to attend Day Summer School.

Evening sessions are held for two and a half hours two nights per week. A number of students prefer the longer evening session (May to August) to the more condensed day summer session.



EXTENSION CLASSES

There was a considerable increase (359) in the number registering for Extension courses. The increase the previous year was 171 which gives some indication of the rise in the number of mature students beginning degree work in 1968-69. In the previous year, 1967-68, 80 courses were offered; in 1968-69 the number was 82. A total of 2036 credit students registered for 2440 courses as compared with 1677 credit students registered for extension work the previous year.

	<u>Courses Offered</u>	<u>Registrants</u>	<u>Registrations</u>
<u>LONDON</u> Credit Courses	43	1259	1492
<u>OUTSIDE CENTRES</u> Credit Courses	39	777	948
	<u>82</u>	<u>2036</u>	<u>2440</u>

In addition there were a number of part-time day registrations.

It is interesting to note that 77 students registered non-credit for credit courses. Forty-two took classes in London while 35 were enrolled as non-credit students in outside centres. An additional 61 students registered non-credit for credit courses at summer sessions.

In London 43 classes were offered during the evenings or on Saturdays. Ten courses were offered at the honors level for those doing make-up work for future graduate study, or for those upgrading to Type A Certificates.

In outside centres two honors courses were given, one in Geography in Brantford, which has been a popular centre for upgrading teachers from Brantford, Toronto and surrounding areas, and one in Owen Sound where an honors course in Geography is offered on a regular basis during the winter and the summer sessions. Classes were offered as follows:

London	- 43 classes	Sarnia	- 8 classes
Brantford	- 9 classes	Stratford	- 3 classes
Chatham	- 5 classes	Tillsonburg	- 2 classes
Clinton	- 3 classes	Woodstock	- 2 classes
Owen Sound	- 7 classes		

CORRESPONDENCE COURSES

For a time there was a steady decrease each year in the number registered for Correspondence courses. In 1967-68 there were 184 students taking 205 courses, but in 1968-69 the number of registrants had jumped to 212 students taking 233 courses. Detailed new outlines giving greater help to students were partly responsible for the upswing. Students registered for courses were living in the seven provinces of Canada and the North-West Territories, United States, Africa, France, West Indies and the Canadian Forces Base in Europe.

Twenty-four courses were offered by Correspondence in the following fields: English, French, Geography, German, History, Latin, Philosophy, Psychology, Sociology and Spanish.



## NON-CREDIT CONTINUING EDUCATION PROGRAM

The year 1968-69 showed a variety of changes in the Continuing Education activities of the Department. A number of three-day workshops were added, as well as some new courses. The Continuing Education program has a constantly changing pattern, although such courses as Conversational French, Communications, and Public Affairs have a continuing popularity each year. While a course in The History of Art was co-sponsored by the Public Library and this Department in 1967-68, a similar course was cancelled in 1968-69 because of lack of interest.

The Department introduced several new general interest courses which were well received. In the fall 22 people took a course in Interpersonal Relations and early in the new year 31 people attended two courses in Sensitivity Training, a Laboratory in Interpersonal Dynamics. The nature of these courses necessitated small classes for maximum benefit of the participants.

Another 31 people attended eight lectures on the Film which were given in conjunction with the English Department Film Series. The lecturer used films to explain various aspects of the film industry. A Regional Aspects of Environmental Planning Course was offered to explain and discuss the trends in the development of regional administrative and political units in Ontario. Although the Lake Erie Economic Council supported the program, the final enrolment of 19 was lower than hoped for.

The language courses were well attended (four classes in Conversational French) and the demand was such that both the English and the French courses were extended in the spring to meet the requests of the students to have more language instruction. The need to provide English language courses for university students from other countries was greater than ever and the courses offered by the Department served in a very small way to meet some of these needs. Some graduate students had their tuition fees for the non-credit English courses paid by their departments while other students paid their own fees. A number enrolled in the course were from the community, with some coming from as far away as Woodstock. The Summer School and Extension Department sponsored two Czechoslovakian refugees for this course held on the University campus.

The Conversational Italian and Spanish courses were offered in response to requests from the community. While final enrolments were not heavy, the Department had made a beginning in these areas. It is difficult to meet the needs of language students who have various degrees of fluency in the language when the number of applicants would seem to justify only one class.

The number of enrolments and lengths of the various non-credit courses that were offered in 1968-69 are listed in detail in Table A.

The Occupational and Professional courses continued to be a vital part of the continuing education program with 914 people being enrolled for these courses. Thirteen people took a Child Development course which completed the University's commitment to the Nursery School Teachers' training program. The Department has now transferred this program to Fanshawe College.



The very successful innovations in Professional Development Training were the two Workshops on Test Construction for Teachers in Nursing Education, and a three-day Family Life Symposium for London secondary school teachers, offered in co-operation with the London Board of Education. The two three-day Workshops on Test Construction which were offered in May and June by Professor Vivian Wood of the Kresge School of Nursing were filled to capacity with the 60 registrants coming from Victoria to Halifax. These were task-oriented, action-centred workshops where participants developed blueprints for examinations and skills in writing essay questions, and prepared and marked model essay answers. The value of these workshops in meeting a real need to improve these areas in educational programs in Nursing Schools throughout the country was stressed in the numerous letters that were received from the participants and Schools of Nursing.

The London Board of Education approached the Department for assistance in developing a training program for teachers who would be involved in introducing revised family life and sex education classes throughout the London school system. A three-day family life symposium was developed in which educational and medical experts from this campus as well as from other Canadian and American institutions took part. The seminar was limited to seventy-five teachers and supervisors. High school students were members of several panels and made significant contributions to the symposium.

The Department continued the policy of co-operating with other agencies in presenting professional development programs. Six courses of the Registered Industrial Accountants program were offered as well as two additional continuing education courses in electronic data processing which were requested by the Society. Staff members were recruited largely from the Departments of Mathematics and Computer Science and the School of Business Administration.

The Institute of Canadian Bankers courses opened with a seminar in September in which instructors, course members and the Regional Council took part. One hundred and thirty members of the banking profession enrolled in 180 courses in the six course program. Economics and legal aspects of business were added this year. The final seminar in May had representatives from all banks present with some officials from the national body of the Institute of Canadian Bankers.

In co-operation with the Children's Psychiatric Research Institute, a two-week Workshop on the Mentally Handicapped Child and His Family was offered again in November, and was oversubscribed. The Summer School and Extension Department also offered the second year of the non-credit Training course for Welfare Officers for 29 participants who were employed in or interested in Social Welfare work.

Early in March the London Labor Council Seminar was hosted on the main campus with an attendance of approximately 200 people from London and the surrounding area.

Table B provides a detailed breakdown of enrolments in the various occupational and professional courses while Table C gives the complete summary of all non-credit courses.

There has been a steady demand for new courses in the Continuing Education field with ideas for new programs emanating both from the community and from the faculty. The University is developing strong ties with the community



and with other educational groups through discussion and co-operation in making information available at all levels. The Department worked with the London Council for Adult Education in producing a newspaper supplement in the fall which outlined programs in continuing education as offered by schools, colleges, organizations and the University.

### STAFF TRAINING

The Assistant Director attended a week-long course organized by the Canadian Association of Directors of Extension and Summer School and the Institute for Studies in Education at O.I.S.E. in March. The course dealt with program planning and the role and purpose of University continuing education programs. Seventeen directors or assistant directors from across Canada attended the seminar.

### STAFF

The Department was happy to welcome Mr. Hugh A. Smith, B.Sc., to the staff as Assistant Director, to supervise the non-credit Continuing Education program.

Thanks are due to the Staff Members of the Department for assuming additional responsibilities and work due to the increased registration in credit and non-credit courses and continuing education seminars in 1968-69.

TABLE A

	<u>Hours</u>	<u>Enrolment</u>
Creative Painting (Summer '68)	24	14
Looking at Pictures (Summer '68)	24	20
Contemporary World Affairs	16	36
Conversational English (Fall and Winter)	32	22
Conversational English (Spring)	8	18
Conversational French (Fall and Winter)	32	77
Conversational French (Spring)	16	27
Conversational Italian	32	10
Conversational Spanish	32	8
Creative Writing	20	15
Effective Reading (Owen Sound, Summer '68)	45	34
Eight Lectures on the Film	16	31
Ethics and Novels	16	12
Interpersonal Relations	20	22
Law and the Consumer	16	9
Music - Highlights of	16	6
Problems in Psychology	16	40
Regional Aspects of Environmental Planning	32	19
Role of Drugs in Modern Society	16	6
Sensitivity Training (February)	30	15
Sensitivity Training (April)	30	16
Understanding and Enjoying Painting	32	27
		<hr/>
		484







# TROIS-PISTOLES SUMMER SCHOOL

## Report of the Director

Professor F. K. Harper

The 1968 session of the Trois-Pistoles Summer School was held from July 4th to August 14th. Student enrolment rose by 10 over the previous summer to a total of 155. All provinces were represented except Prince Edward Island and Newfoundland. There were also several students from the United States, two from the British West Indies, and one from Ghana.

Of the 155 students, 112 were registered in the French courses and 27 in the English courses for French-Canadians. 2 English-speaking students and 6 French-speaking students were enrolled in the bilingual Landscape Painting course. 1 English-speaking student and 7 French-speaking students took the course in the Methodology of Teaching English as a Second Language. This course was offered for the first time in some years and featured a demonstration class of about a dozen French-speaking children ranging in age from eight to fourteen years. The course was highly praised by officials of those Quebec Regional School Boards whose teachers of English were participants.

The staff consisted of 16 persons: the Director, the Secretary, 4 Instructors in English, 8 Instructors in French, 1 Instructor in Methodology, and 1 Instructor in Painting. English courses were given at three levels of instruction and French courses at six levels ranging from a Beginners' class to one at the Third Year Honors level.

Over the course of the previous winter the School had lost through death its senior instructor and Assistant to the Director, Monsieur Achille Ferland. Former students at the School recognized the measure of his effectiveness as a teacher and as a human being by taking the initiative in establishing a bursary in memory of Monsieur Ferland. His permanent memorial is, however, his former students' continuing devotion to his ideal of mutual understanding between the two language groups and the inspiration he left with them to continue the work to which he had given the last twenty summers of his life.

The death of Monsieur Ferland and the resignation of Mr. John Lillie from the staff would have left the School with no director for the choir which has for many years been one of the most popular recreational activities and one of the most effective ways of improving pronunciation in the second language, save that we were fortunate to find in two new appointments, Monsieur Armand Auger and Mr. Philip Clark, capable and enthusiastic successors. The choir was consequently able to continue the tradition of giving a choral concert toward the end of the session over radio station CJFP, Riviere-du-Loup.

Once again the exhibition of the work of students of the Painting Course proved to be a highlight of the last week of the Summer School. The vernissage was attended by an invited group of notables of the town and the province, including Monsieur Louis Belzile, Director of Curriculum Planning in the Arts for the French-speaking Catholic Schools of the Province, and a prominent Quebec painter, the abbé Léonard Parent, who paints under the pseudonym "Basque".



Visitors to the Trois-Pistoles Summer School during the session included Dean and Mrs. T.L. Hoskin of The University of Western Ontario, and Miss Angela Armitt, Director of the University's Department of Summer School and Extension.

The reconstituted committee of citizens of Trois-Pistoles which had had itself incorporated in February 1968 under the laws of the Province of Quebec as La Corporation des Cours d'été de Trois-Pistoles, Inc., obtained from the Federal Government a grant to support the non-academic activities of the students. During the session, this committee provided a number of receptions for the students, paid for the transportation of the Painting Course students to sites of cultural interest, hired two large buses to transport a larger group of students to Quebec City for a guided week-end tour of that city's historic monuments and other points of interest, and offered a considerable sum of money for prizes to be awarded for excellence in studies at the Closing Exercises. The same committee prepared, paid for, and distributed a most handsome illustrated brochure promoting the 1969 session of the Summer School. It also made itself responsible for advertising the courses in the French-language dailies and weeklies in the Province of Quebec.

The Town of Trois-Pistoles offered the students a reception at the beginning of the session and, on the first Sunday of the session, the Chambers of Commerce provided a guided tour of the town and its environs in open convertibles before giving the students a dinner and dance.

A prominent local citizen and former mayor of Trois-Pistoles, Monsieur Charles-Henri Rioux, presented the School with a new trophy to be awarded to a student demonstrating proficiency in the Methodology Course.

The Government of Canada did not repeat in 1968 its 1967 experiment in sending to the School a number of Federal Civil Servants, but the Government of Ontario for the first time offered our students ten substantial scholarships. For the first time, too, the English-speaking Union of the Commonwealth in Canada, through its Canadian Headquarters and some of the local branches, showed recognition of the work being done at Trois-Pistoles by offering important scholarships to five of our students.

During the year, the Director asked to be made responsible in administrative and budgetary matters to the Director of Summer School and Extension and to the Faculty of Arts through its Dean in matters academic. Permission for the changes having been granted, the Trois-Pistoles Summer School will fall under the above-mentioned jurisdictions as of July 1st, 1969.



## HURON COLLEGE

### Report of the Principal

The Venerable Dr. J. Grant Morden

Huron College has been holding its registration to 500 to 525 in the Faculty of Arts. At the same time the academic quality of student body continues to rise. As it is the policy of the College to continue to admit a cross section of A, B and C grade students, other criteria of selection must now be used with increased attention given to reports from school principals and reports on extracurricular activities of applicants.

During this past year there has been an extension again of student participation in College academic government. In line with this Huron policy we wish to thank the University for admitting a Huron College Student Observer to the Senate and a Huron College Student Member to the Senate Sub-Committee on Affiliated Colleges.

Huron College moved in its Faculty of Arts from the organization pattern of a Dean and Heads of Departments to having a Chairman of the Faculty and Chairmen of Departments. The full-time members of a department nominate from their own number a chairman for a 3-year term. In turn the appointed Chairmen nominate for a term a chairman for the faculty as a whole. This system is now in a trial period. The Chairman of the Faculty carries the responsibilities formerly exercised by the Dean of Arts. Also on the 13 man Executive Board of the College the faculty has 2 elected members in addition to the Principal.

The Chairman-elect for the Faculty of Arts is Professor F.W. Burd, the Chairman of the Department of Psychology.

During the course of the year Huron College played host to three outstanding speakers.

At the Founders' Day Ceremony Dr. J. Francis Leddy addressed the College on the role of a Church-related Liberal Arts College in the modern multiversity.

At the Spring Convocation Dr. J.C. Bennett the President of Union Theological Seminary spoke on "Transcendence". In his address he gave a realistic appraisal of the unrest in the United States - making reference to Viet Nam, the University situation and the color question.

The Annual Arts Conference of Huron College was privileged to play host to Dr. Roy Daniells of the University of British Columbia who spoke on "The Humanity of Milton".

Huron College awarded the degree of Doctor of Divinity (Honoris Causa) to Dr. W.S. Morris, Professor of Philosophy at Lakehead University. Dr. Morris was formerly a Professor of Philosophy of Religion and Ethics at Huron College.



The Reverend Canon Robert S. Rayson, former Principal of Canterbury College, Windsor, was received as a lifetime Honorary Fellow of the College.

Two events of note were held at Huron during June 1969.

1. Huron was host and co-sponsor of an Ecumenical Summer Seminar in Theology lasting three weeks. The guest lecturers were Dr. William Stringfellow a leading lawyer and notable lay theologian of the Episcopal Church and Dr. Thomas Francoeur, Psychologist and a noted Roman Catholic teacher. The Seminar was attended by some 50 persons representing 5 denominations.

2. The Theological Alumni of Huron College were led in 3 sessions this year by Dr. O.H. Warwick and a panel of experts from The University of Western Ontario Medical Health Sciences; Dr. Walter A. Thompson, Associate Dean of the School of Business Administration and J.W. Given, Esq., of the London Board of Education.

## STATISTICS

### Registration of Students in the Faculty of Arts

First Year . . . . .	233
Second Year . . . . .	149
Third Year . . . . .	129
Fourth Year . . . . .	12
	<hr/>
	523
Special and Part-time	6
	<hr/>
	<u>529</u>

Huron College wishes every blessing to Mr. H.B. Rooney, Comptroller and lecturer in Business Administration as he takes up his new duties in the Comptroller's office of the University.

We are happy to announce the appointment of Major David Blaise Butts as the new Comptroller of Huron College.

As the University continues its reorganization into Faculties rather than Colleges - those of us at Huron College trust the variety in organization presented by the Affiliated Colleges will be seen as an enrichment of the total pattern and will be welcomed by the University even though at certain levels there will be problems of liaison to be worked out.

The Academic Council of Huron College is pleased to announce that Huron now offers no 'X' courses.

In conclusion let me express my appreciation to the President, the Senate, the faculty and officers of the University for their help and blessing on the programs of Huron College. Huron College stands ready to play our part in the academic development of our total University academic community.



## BRESCIA COLLEGE

### Report of the Dean

#### Sister Dominica

For the academic year 1968-1969, Brescia's total enrolment, as well as that of the Home Economics Department, continued to move upwards. During the year, agreement was made that Home Economics students from the main campus would henceforth register in the Faculty of Social Science, a change made necessary by the restructuring of the University's Faculty of Arts and Science into three separate Faculties.

Through the election of Brescia Faculty representatives to the Councils of the Faculties of Arts (Sr. Corona Sharp) and Social Science (Sr. Dolores Kuntz), and the appointment of Sr. Marie to the Faculty of Graduate Studies, our already close ties with the University's academic structures have been strengthened. We appreciate very much the friendly spirit with which our Administration and Faculty representatives have been welcomed to committees and sub-committees of the Faculties and the Senate.

Sister Corona Sharp, head of the English Department, received a Canada Council Research Grant to do research in Switzerland on the plays of Friedrich Dürrenmatt. She was spending three months there during the Summer of 1969. She was also invited to speak in June at the University of Vienna on Canadian drama. Sister Phyllis Wright, Lecturer in English, received the M.A. degree from The University of Western Ontario at the Spring Convocation. Sister Mary Louise McKenzie, on leave of absence from the English Department for doctoral studies at the University of Toronto, received a Canada Council grant for several months' research in Great Britain in connection with her dissertation on Robert Louis Stevenson.

Brescia students, under the able leadership of Mary Sills, won the Lang Trophy for Women's Intramural Sports for the third time, and the second consecutive year. During this year, a Brescia senior, Margaret Timlin, was President of The University of Western Ontario Women's Athletic Association. With the drawing up of a new constitution for the Academic Council, a second student (in addition to the Student Council President appointed last year) was elected to serve on this Council. Geraldine Faubert was the first student to fill this position, and as a result became the first official Brescia College Student Observer on the University Senate.

As the academic year draws to a close, Brescia College Faculty and Alumnae are busily making plans for the Fall of 1969 when the celebration of the fiftieth anniversary of the signing of affiliation papers with The University of Western Ontario will take place.

#### BRESCIA LECTURE LEAGUE

The following speakers were heard on the 1968-69 series:

Sister St. Michael of the Ontario Department of Social and Family Services and part-time Brescia Faculty member in the Department of Philosophy:  
"The New Woman in the New Era", November 4, 1968



Duke Redbird, past president of the Canadian Indian Youth Council:  
"Indian Culture and the Twenty-First Century", November 25, 1968

Dr. Robert Baird McClure, moderator of the United Church of Canada:  
"Updating of a Rebel", January 20, 1969

Dr. Robert Uffen, chairman of the Defense Research Council:  
"Forecasting the Future", February 3, 1969

Mr. John W. Holmes, Director General of the Canadian Institute of International  
Affairs:  
"Canada in the World", February 17, 1969

As the academic year draws to a close, Brescia College Faculty and Alumnae are busily making plans for the Fall of 1969 when the celebration of the fiftieth anniversary of the signing of affiliation papers with The University of Western Ontario will take place.



# KING'S COLLEGE

## Report of the Principal

Dr. D. O. Carrigan

In September 1968 the Board of Directors of King's College made a decision to turn the college into a co-educational institution. This marked the beginning of the first major development program since the establishment of the college. A new library, residence, additional courses, and a larger faculty are included in the plans for expansion. The most significant academic development was the decision to begin a new four year program in social work leading to the Bachelor of Social Welfare degree. This new program will serve the whole university. It was planned by a King's - U.W.O. - Community committee and approved by the university Senate.

Through this expansion program the college hopes to better serve the community and The University of Western Ontario. We look forward to continued co-operation with the U.W.O. administration and faculty and wish to express our thanks for their interest and assistance this past year.

### STUDENT STATISTICS

1st Year	92
2nd Year	92
3rd Year	72
4th Year	7
Others	14
Total	<u>277</u>



## THE UNIVERSITY LIBRARIES

### Report of the Chief Librarian

Professor J. J. Talman

Since additions to the resources of the Libraries are the most significant measure of progress, though not the only one, we begin with accessions.

The figures for the past five years were:

<u>1968-69</u>	<u>1967-68</u>	<u>1966-67</u>	<u>1965-66</u>	<u>1964-65</u>
123,873	90,120	64,277	59,983	38,543

The accessions during the year brought the holdings of the libraries to 724,696 volumes.

In commenting on the accessions for the year it must be noted that the figures for 1967-68 included the sudden and non-recurring accession of 21,001 volumes which were reported by the School of Library and Information Science. This year S.L.I.S. added 8,642 volumes. The above figures include 18,743 coded books (see Computer Applications) which have not yet been accessioned.

The foregoing tables show the total of items which the Dominion Bureau of Statistics describes as volumes of books, monograph serials, periodical publications, printed government documents and technical reports has more than doubled in five years.

Acquisitions of scholarly resources, which do not fit recognized categories were as follows:

Microprint Government Documents	34,200
Microforms	44,803
Catalogued Music Educational Material	620
Records and Tapes	2,800
Total non-book acquisitions	82,423

Since last year's report showed that holdings of this nature totalled 487,146, this figure has now increased to 569,569.

It is impossible to equate this material with material which is measured in a regular way. Suffice it to say that in many cases a few reels of microfilm or a few cards of microfiche or microprint can take the place of many volumes. Consequently, it is impossible in view of modern technology to arrive at a rational figure for our present holdings.

In many cases this material is more valuable in scholarly research than many of the books which are bought in a routine way. One can cite, for example,



the Canadian microfilm newspaper files produced by the Canadian Library Association Microfilm Project which bring about four thousand years of Canadian newspaper files within a five-minute walk from any part of the campus.

### ACQUISITIONS

Dr. Martha Bishop reported that a total of 66,078 orders were placed during the year. This figure represents an increase of more than 19 per cent over the previous fiscal year. Of the 66,078 orders, 1,133 were new subscriptions for periodicals and annuals, an increase of more than 33 per cent over the previous year. Extensive searching for periodical back volumes resulted in the ordering of 1,718 back volumes of periodicals and annuals, an increase of close to 76 per cent over the previous year.

A vastly larger number of order requests ("green slips") were, of course, searched than actually ordered. Frequently, much of the bibliographic work necessary for ordering needs to be done before one discovers the title is already in the libraries, on order or coming in on a standing order for a series, etc.

An approval order was placed with Richard Abel and Company for university press publications. A blanket order was placed with a firm in Mexico for scholarly publications from Latin America.

Rapid turnover of staff was a serious problem. Considering the fact that we are constantly teaching new, utterly inexperienced personnel, the increase in number of titles ordered is really remarkable. It is gratifying to know that some left to attend library school.

The most notable accession to the libraries' collections was, without a doubt, the Stuart Milton Collection. This coup in one stroke put the University of Western Ontario in the forefront of Milton resources. We also acquired two South American collections, one of Latin American poetry and the other a valuable collection in the fields of geography, history and politics. We continued to purchase national bibliographies, both retrospective and current, and important reference works, both reprint and new, increasing considerably our stock of basic working tools essential for both the scholar and the librarian.

The libraries' collection of American material was enhanced by the purchase on microfilm of all items listed in Lyle H. Wright's American Fiction, 1774-1900.

The Engineering Library reported the acquisition of the new Geodex International Soil Mechanics Information Service and the Water Resources Abstracts Card Service.

Several important American sets were acquired by the Law Library, examples of which are the following:

Negligence and Compensation Cases Annotated, 1910 to date

U.S. Commissioner of Patents Decisions, 1869 to date

U.S. Federal Trade Commission Decisions, 1915 to date



U.S. Patents Quarterly, 1929 to date

Public Utilities Reports, 1915 to date

The Law Library also obtained a complete set of the Irish Law Times and Reports, 1867 to date, as well as the Statutes of the Republic of Ireland (formerly the Irish Free State), 1923 to date.

Notable accessions in the Music Library included the following:-

Allgemeine musikalische Zeitung	Das Chorwerk
Denkmaler der Tonkunst in Osterreich	Denkmaler deutscher Tonkunst
Dwight's journal of music, a paper of art and literature	Enciclopedia della Musica
Musica	La Musica: enciclopedia storica
Die Musikforschung	Praetorius, Michael, 1571-1621. <u>Works</u>
Revista musicale italiana	Revue de Musicologie
La Revue Musicale	Schubert, Franz Peter, 1797-1828. Works
Schumann, Robert Alexander, 1810-1856. Works	

Significant additions to the Natural Sciences Library include the following:-

France. Centre National de la Recherche Scientifique. Bulletin analytique, 1940-1955

International catalogue of scientific literature, 1901-1914. Johnson Reprint by permission of the Royal Society of London. 238 vols. in 32.

Pandex: Current index to scientific and technical literature. vol. 1, 1969-

Planta: vol. 1, 1926-77, 1967

### GIFTS

It is gratifying to record that during the year 1968-69 the University Libraries received generous gifts of money and books from a wide circle of friends.

Dr. Elizabeth R. Laird, a distinguished physicist who was for many years associated with the U.W.O. Physics Department, bequeathed her collection of science books and her general library to the University Libraries.

The libraries also benefitted by the will of Miss Lillian Gilbert who gave books on horticulture collected by her father the late Frank Gilbert.



Mrs. Ronald A. Allen presented the library of her husband who was for many years head of the German Department and, at his retirement, Vice-President of the University.

Associations, businesses and governments, at various levels, have contributed books and manuscript records to the libraries' collections. They include:-

Ontario Flue-Cured Tobacco Growers Marketing Board  
 Arthur D. Little of Canada Limited  
 James Richardson & Sons Limited  
 R.R. Donnelley & Sons  
 London Latvian Society  
 Employers' Council of British Columbia  
 Canadian Slovak League  
 The J.W. Dafoe Foundation  
 Theosophical Society of Canada  
 Canadian Institute of Chartered Accountants  
 Ministry of Cultural Affairs, Quebec  
 Township Council of Niagara  
 Department of University Affairs, Ontario  
 Lambton County Council  
 Petrolia Town Council  
 Department of Indian Affairs and Northern Development  
 Government of Ontario Transit  
 London City Council  
 Metropolitan Corporation of Greater Winnipeg  
 Township of Mornington  
 London Fire Department  
 Public Utilities Commission

Among the individuals who have made gifts of library materials are:-

Dr. C.G. Winder	Mrs. J.B. Collip
Mrs. W.W. Stover	Dr. W.N. Holsworth
Dr. D.B. McMillan	Dr. B.L.R. Shawyer
Mrs. William S. Johnston	Dr. W.E. Bonnica
Professor J. Asensio	Mr. Oscar Milliken
Professor D. Borwein	Mrs. Gordon Stewart
Dr. E.G. Pleva	Dr. D.C. Williams
Mrs. John Barratta	Miss E. Vowles
Dr. A. D. Macallum	Dr. W.W. Judd
Dr. I.M. Robinowitch	Professor Ronald A. Bodkin
The Honourable Mr. Justice Moorhouse	M. Silvain Monod
Dr. A.J. Sukava	Mr. Vern M. Stead
Mrs. Ina J.H. Moss	Dr. Goldwin Smith
The Reverend M.A. Garland	Miss Lois Thierman
Mrs. R.N. Weekes	Mr. George Smith
Mr. Ronald E. Murphy	Professor M.N. Vuckovic
Dr. W.H. Wehlau	Dr. L. Ignatieff
Colonel F.B.W. Sexton	Mrs. R.C. Pope
Professor D.E. Hill	M. Maurice Dussault
Dr. Dorothy Turville	Mrs. Naomi Jackson Groves
Professor A.W. Brink	Drs. Paul and Cuyler Hauch and
Miss Katharine Kangas	Mr. Edwin Hauch
Dr. G.R. Magee	Dr. Norman Nicholson



Mr. C.L.C. Allinson  
 Professor R.W. Hutchinson  
 Mr. William Cowley  
 Professor T.C. Mak

Mr. J. Mervyn Milne  
 Mr. James M. Moorhead  
 Dr. Martin L. Throne

In October of 1968 Mrs. Ina J.H. Moss arranged for the transfer of books and manuscripts from the library of Dr. Richard Maurice Bucke, a friend of the poet Walt Whitman and one of his literary executors. The gift was made in the name of her parents Dr. and Mrs. Edwin Seaborn. The library will prepare and publish a detailed catalogue of the collection.

The Health Sciences Library resources were enriched when the U.W.O. Alumni arranged a presentation by Mrs. Ivan H. Smith of a number of volumes dealing with cancer research. The \$500 Ivan Smith Memorial Fund is gradually being spent as two series on cancer research are published.

Gifts of money to be used for the purchase of books were received from:-

Miss Mary H. Jones, Mrs. A.R. Robinson and Mrs. C.L. Randolph in memory of Isabel McCracken Allin

National Council of Jewish Women for the Evelyn Siskind Memorial Fund

College of Physicians and Surgeons of Ontario for medical books

Friends of the late Dr. Arthur Rutherford Ford, Chancellor of this University from 1947 to 1955, established a fund in July, 1968 for the purchase of books in journalism

In memory of their son Peter, a first-year law student who was killed in an automobile accident in January, 1969, Mr. and Mrs. Paul Adams made a donation for the purchase of a special collection of law books to be used in the Student Defenders' Program

Contributions, specifically for the Milton Collection came from:-

The Canada Council - a grant of \$15,000  
 The British Council  
 Mrs. Eric G. Wermuth  
 Dr. Helen S. Hogg

A second grant was received from the Canada Council to be applied to the purchase of the microfilm of items included in American Fiction 1774-1900 to which reference has already been made.

### THE ANNEX

As was reported last year space was rented in an office building on Dundas Street East. Here the accounting department, receiving section of acquisitions and the book receiving unit were located. The space, while useful, is totally inadequate and the fire hazard is something to be concerned over.



## CATALOGUING

Miss Jean Elson, head of the cataloguing department, reported the busiest year in the history of the Libraries. In spite of the great increase of volumes catalogued, the greatest problem facing the Libraries today is the number of volumes, especially in the Humanities and Social Sciences, which are awaiting cataloguing. The expedients taken to cope with the backlog, which are described elsewhere, helped, but there are still some 50,000 volumes in the system which have been paid for and await cataloguing. Lack of floor space for additional cataloguers is the major factor in our inability to speed the process.

## COMPUTER APPLICATIONS

Mr. Len Geddie, systems librarian, who was appointed in July, 1968, to oversee development of the Libraries computerized operations reported on the following matters:-

### Ordering and Processing

This year was the second full year of operation for the automated book ordering system. Ordering by computer quickly outran the ability of the cataloguing department to deal with the spate of in-coming volumes. This problem was foreseen and in July, 1968, a computerized "coding" (temporary cataloguing) operation was introduced. A total of 18,743 titles were coded in 1968-69, thus greatly raising the number of titles processed. In June, 1969, the coding system was considerably refined. Books now receive a full call number and immediately take their correct place in the collection. A considerable increase in the processing rate is anticipated.

The capabilities of the ordering system are also being increased with the installation, it is hoped, of three on-line computer terminals. These will make possible up-to-the-minute searching of the computer-maintained order files. There is a strong interest in the effect that these terminals will have on the ordering routines.

### Serials

In May, 1969, a new computer-collated List of Periodical Holdings in the U.W.O. Libraries was produced. This listing, in loose-leaf format, was issued to all libraries and reading rooms on campus. Plans are now under way to update this listing on a regular monthly basis and to expand the listing to include abstracts and indexes.

### Circulation Control

An ambitious project is now under way to fully automate circulation control in the Natural Sciences Library. The initial proposal for conversion was submitted in December, 1968, and the system should be fully operational shortly after classes commence in the autumn of 1969. This is a pilot project, a forerunner of the circulation system to be installed in the new D.B. Weldon Library. It has been planned as an on-line system and will be as advanced as any system in Canada.

## READERS' SERVICES

Mr. Clarke Leverette, head of readers' services, reported that circulation in the Main Library increased by 45 per cent to a total of 161,434. Several factors



contributed: the library's improved reference service over that of the previous year, changing teaching methods and more rapid shelving of returned books.

An expanded set of slides were combined with a tape recording to produce an introduction to the resources of the library. Unfortunately, only 383 freshman students saw this presentation, prepared at a fairly large expense, during orientation week. It was decided that in future such a presentation would be supplementary to printed leaflets on specific problems. These leaflets were prepared for use in 1969-70.

Circulation statistics for the latest three years were:-

	<u>1968-69</u>	<u>1967-68</u>	<u>1966-67</u>
General	161,434	111,650	94,097
Middlesex	13,986	11,204	13,420
Talbot	23,545	18,769	7,265
University	35,332	31,514	42,403
Business	21,000	13,660	12,166
Education	38,390	27,500	21,237
Engineering	8,654	6,320	4,057
Health Sciences	29,278	21,880	17,674
Nursing	3,506	3,018	6,971
Stevenson	2,472	1,703	1,366
Law	7,039	5,225	6,108
Music	24,177	13,257	1,854
Natural Sciences	27,245	22,528	24,609
Total	<u>396,058</u>	<u>288,228</u>	<u>253,227</u>

#### INTERLIBRARY LOANS

<u>General Library</u>		<u>1968-69</u>	<u>1967-68</u>
Outgoing:	books	2,137	1,867
	photocopies	1,819	1,165
		<u>3,956</u>	<u>3,032</u>
Incoming:	books	1,751	2,072
	photocopies	2,226	2,285
		<u>3,977</u>	<u>4,357</u>
<u>Health Sciences Library</u>			
Outgoing:	books	375	394
	photocopies	1,050	813
		<u>1,425</u>	<u>1,207</u>
Incoming:	books	319	286
	photocopies	689	468
		<u>1,008</u>	<u>754</u>



## NOTES ON DIVISIONAL/PROFESSIONAL LIBRARIES

Items of interest from reports of divisions and divisional/professional libraries follow:

### Althouse College of Education Library

Miss Sally McCrae reported that during 1968 the Ontario Department of Education announced its intention to discontinue the summer school teacher training programs which had been offered over the past few years in an effort to resolve the teacher shortage problem. This pronouncement not only produced a higher enrolment in the initial summer course but also in the winter program as well, resulting in ever increasing circulation and library use.

The size and scope of the book collection continue to broaden with the addition of new courses to the curriculum and new responsibilities in the area of teacher training. Our resources on West Africa are of quite significant depth now when considered in conjunction with other materials available in the College. The external aid aspect of our teacher training program is being expanded at the request of the Canadian International Development Agency to include the training of teachers for the West Indies, Central and East Africa, India and South East Asia. This naturally implies a necessity to increase our resources in these areas as well, both from the geographical and educational point of view.

The college will benefit greatly from the acquisition in June, 1968 of the education segment of the personal library of Dr. S.J. Curtis, one of the world's most foremost educational historians. These books, about 400 volumes, are now being processed for use in the forthcoming winter program. We have also been fortunate in being able to purchase several hundred volumes from Victoria University, Toronto during the year, many of them long since out of print - early histories of education, methods books and text books which will prove very valuable along with the Curtis collection for historical purposes and study.

The library has made a modest beginning in the field of audio-visual aids, particularly in the medium of filmstrips, with the purchase of the complete inventory of the National Film Board to furnish a basis upon which to build. The collection has increased to over 600 strips along with more than 50 filmloops.

The year's acquisition of approximately 4,000 volumes brings the total collection to over 26,000 catalogued items. Space is even now starting to become a problem in certain areas of the stacks with the library only three years old.

### Business Library

Mr. John Hoover reported that during the year the addition to the School of Business Administration was completed, including a second reading room for the library with additional seating capacity for approximately 80 students bringing the total number of seats of 230. New shelving was added for 12,000 volumes bringing the total stack capacity to approximately 50,000.

We regret that the Godfrey Memorial Library, Middletown, Connecticut, was forced to drop its Canadian Corporation Annual Report Services on microfiche. This service covered the annual reports of over seven hundred Canadian Corporations. It was initiated five years ago by our Business Library, which collected and collated



these reports, and was retroactive in its coverage to 1960. Unfortunately, demand for the service did not warrant its continuation.

### Engineering Library

Mrs. Gladys Osborn reported that the Engineering Library continued to grow in every department during the year. With the increased enrolment of undergraduate and graduate students, greater numbers used the library facilities for study and research, taxing the limited space. To relieve the crowded condition of our stacks arrangements were made through the co-operation of Dr. Margaret Banks, law librarian, to store seldom used journal volumes in the Law Library. It is expected that the Engineering Library will be moving into its new location in the proposed addition to the Engineering Science Building some time in 1971.

The Bay Area Air Pollution Control District Microfilm and Card Service was used extensively by the 24 graduate students registered in the newly developed Master of Engineering Program in Environmental Engineering.

### Government Documents

In order to assist readers in the use of government documents two publications were produced:-

1. Guide to government documents and publications of international organizations, 3rd edition
2. Guide to collections on microform

### Health Sciences Library

Miss Anne Seheult reported that as part of the dental wing of the Health Sciences Centre, opened officially in October, 1968, the Health Sciences Library had an addition of a periodicals room of approximately 966 sq. ft. and a faculty and graduate student reading room called the Collip Room of approximately 586 sq. ft. The periodicals room houses the current issues of the 800 most important medical and dental journals. The Collip Room is housing recent volumes of duplicate sets of journals in the Collip Collection. It is not intended that the collection in the Collip Room be limited to these titles.

The U.W.O. Medical School, including the Health Sciences Library, was surveyed for accreditation by an AAMC-ACMC team and one from the Royal College of Physicians and Surgeons of Canada. The School was fully accredited for the standard period of seven years on April 21, 1969.

The long-established practice of exchanging duplicates was continued. The Health Sciences Library submitted an exchange list to the Medical Library Association for their November publication. A second list was submitted for the March, 1969, MLA Exchange by Stevenson Library.

Thanks to the inclusion of a set of the Quarterly Cumulative Index Medicus in the Collip Collection, we were able to offer our former set to the National Science Library to build up the reference section of the Health Sciences Resource Centre. We were also able to offer to Memorial University a number of duplicate volumes, including the 1958-1962 volumes of Chemical Abstracts.



### Law Library

Dr. Margaret Banks reported that one of the goals of the five-year plan formulated by the Faculty of Law in 1964 was the expansion of the law library holdings from 20,000 to 50,000 volumes. In the fiscal year just ended this aim was achieved, our holdings on June 30, 1969 being 50,766. The number of volumes added to the law library between July, 1968 and June, 1969 was 9,242 as compared with 10,420 during the previous fiscal year.

In December, 1968 the extension to the law building was officially opened. A considerable part of this extension is library space; we have added a new section to the main reading room and we now have much more adequate office and workroom space. Two small stack areas have also been added, but we have really gained very little in shelf space because some of the shelving in the old sections of the stacks was removed to provide additional seating space. Originally, seating space was provided in the reading room and stacks for 100 persons. We can now accommodate 250. Practically all the new seating space is in the form of carrels and cubicles, rather than tables.

### Music Library

Mr. Larry Lewis reported that Mrs. Lin Rowe of the music department at Queen's University and Mrs. Joyce Williams, music librarian at McMaster University visited our music library to gather techniques and practices in music librarianship. Mrs. Margaret Boehmert of the London Public Library and Art Museum, also visited the library to gather material for a research paper on the history of the music library for the library school at the University of Toronto.

Shelving space was almost doubled to cope with the rapidly expanding research and record collection. New stacks, vertical files and a new 60-drawer card catalogue were added to the equipment.

### Natural Sciences Library

Mrs. Jean Vitai who succeeded Mrs. Sheila Phipps as science librarian reported that much of the year was spent in planning and in implementing the first stages in the mechanization of our circulation system. Two members of the staff are currently converting the shelf list into machine readable form under the direction of Mr. Len Geddie, systems librarian.

### Regional History and Treasure Room Collections

Mrs. Aileen DeSomogyi reported that the year was a busy one for regional history, 2817 books and manuscripts having been consulted by 897 readers. Reference queries received by mail also increased considerably.

The Regional Collection received another valuable accession of Baldoon papers, plus the entire collection of records relating to the U.W.O. C.O.T.C., now disbanded, and the usual additions to the University Archives. Substantial deposits of municipal records were received from Petrolia and from Mornington Township.

One of the most valuable accessions was a set of positive microfilm copies of the records of the Ontario Department of Lands and Forests, Lands and Surveys Branch. Included in the records are surveyors' reports and field notes from the



opening of the province until the present. These records provide an invaluable body of material for research in the development of Ontario. The purchase was made possible through the courtesy of Mr. J.W. Giles, Acting Chief of the Ontario Department of Lands and Forests, Lands and Surveys Branch.

The most noteworthy project was the U.W.O. Centennial Publication, Handbook of Upper Canadian Chronology and Territorial Legislation by Dr. Frederick H. Armstrong. Only one issue of Western Ontario History Nuggets appeared during the year - No. 35, Catalogues of Columns on Natural History by W.E. Saunders and J.K. Reynolds in London (Ontario) Newspapers, 1929-1963, compiled by Dr. William W. Judd. Two numbers of the Notes were published, vol. XXIV, No. 2 and Vol. XXV No. 1. We continued with the filming of the London Advertiser and the Ingersoll Chronicle.

On May 1, 1969, Mrs. Lucy Greene was appointed rare books librarian to take over administration of the rare books section hitherto administered through the Regional History Collection.

### STAFF ACTIVITIES

Miss Lillian Benson visited New York in March this year to attend the International Antiquarian Booksellers Association Fair.

Dr. Martha Bishop went to Kalamazoo during November to attend the International Seminar on approval and gathering plans in large and medium size academic libraries.

Mrs. Aileen DeSomogyi attended a one-month course in Archival Principles and Administration at Carleton University for which she received a certificate. In October she attended the Symposium on Library Co-operation (held at Middlesex College) which marked the end of the Ontario Resources and Technical Services Group of the Ontario Library Association, and in December she took part in a conference of map librarians from South-West Ontario sponsored by the Geography Department. Throughout the year she continued to act as the Secretary of the London Genealogical Society.

During the year Mr. Len Geddie attended the M.R.L.S. Conference on Book Catalogues, the ISAD/LC Conference on MARC 11 Tapes and the first meeting of the O.C.U.L. Systems and Operations Committee. In addition, he visited the library at the University of Guelph, the Talbotville Ford plant and the library at McMaster University to gather information about existing automation equipment and resources.

Mr. John Hoover was granted a five-month leave of absence to do research for his Master's thesis in history on the theme: The Primitive Methodist Church in Canada, 1829-1884.

Mr. Larry Lewis visited the Band, Chorus and Orchestral Music Library, Eastman School of Music, University of Rochester, New York, to study their practices and techniques and compare them with those used in the Choral/Orchestral Music Library.

Mr. John Macpherson represented the library on the 360 Users Committee, the After Hours Security Committee, and the Urban and Regional Development



Studies Program. During the year he acted as a consultant to the Library Technicians Sub-Committee of Fanshawe College and attended several meetings of professional associations and working conferences; notably, the Ontario Library Association Conference at Sudbury and the Conference on Book Catalogues at Kitchener.

Miss Mary Murray attended lectures in the Health Sciences Librarianship course at the University of Toronto and the Scientific Dissemination of Information course in constructing interest profiles held at the National Science Library in Ottawa. She also attended meetings of the Ontario Resources and Technical Services Group of the Ontario Library Association held at this university.

Mrs. Sheila Phipps, who resigned from her position as science librarian after two and a half years, visited the Ford Motor plant at Talbotville, before her departure, in connection with preliminary investigations regarding the proposed computerized circulation system.

Miss Anne Seheult, Miss Kathleen Beretta and Mrs. Evelyn Crouch attended the Third International Congress of Medical Librarianship held in Amsterdam during May. During the year, in addition, Miss Seheult attended meetings at the State University of New York Biomedical Communication Network in Syracuse, the Ontario Resources and Technical Services Group of the Ontario Library Association which were held here, Health Sciences Resource Centre activities held at the National Science Library in Ottawa, and a seminar on the formation of interest profiles for their Scientific Dissemination of Information service also held at the National Science Library.

Mrs. Judy Shaw also attended the course at the National Science Library on the construction of Selective Dissemination of Information Profiles.

Dr. James Talman or Mr. John Macpherson attended every meeting during the year of the Ontario Council of University Librarians. Dr. Talman continued his chairmanship of the Microfilm Committee of the Canadian Library Association for the fifteenth year, and attended all meetings of the Historic Sites and Monuments Board of Canada. In November he attended the meetings of the Canadian Association of Colleges of Canada of the same time. During March Dr. Talman attended a meeting called by the Students' Council of Carleton University to discuss university library problems.

Mrs. Jean Vitai, who succeeded Mrs. Phipps as science librarian, visited Guelph University Library in connection with studies involved in the proposed computerized system.

## CONCLUSION

Since this is my last report as Chief Librarian, I may be permitted to take a brief backward glance. I end this report with accessions as I began. When I was appointed Chief Librarian in 1947 there were 172,474 volumes in the collections. Today, the figure shows an increase of over half a million volumes. By June 30, 1970 this figure should rise at least another 100,000. Of the staff in 1947 only Miss Lillian Benson, Miss Jean Elson and I remain. Consequently, it can be said that the three of us have seen or will have seen about 600,000 volumes added to the holdings of the various units in the system.

In addition, since 1947, the volume of microfilm material in the libraries' collections has grown from practically nothing to a total of 556,673 items at



June 30, 1969. Microform reproduction was a comparatively new development in 1947 and one which provided an excellent opportunity for this library to acquire resources which were either unobtainable in conventional form or, if available, were too costly for the library's limited funds. These microform resources have been described recently by Dr. Ralph H. Hopp, University Librarian at the University of Minnesota as "an outstanding collection . . . particularly in the area of documents and rare materials . . . and add significantly to the holdings of the library."

During the years, of course, many persons have contributed to the development of the libraries. In view of the great expansion during the last five years, however, much of the credit belongs to the present staff. To them and all those who have come and gone in my time I extend my warm and heartfelt thanks.



## DEPARTMENT OF ATHLETICS

### Report of the Director

Mr. John P. Metras

The University of Western Ontario men competed in eighteen sports under the Ontario-Quebec Athletic Association banner. While participation displaying the highest ideals of training, effort and sportsmanship is sufficient to class each sport as being part of a very successful season, three of the Mustang teams and several individuals were able to effect a more tangible evidence of excellence by winning championships.

The Rowing team repeated as O-Q.A.A. champions. In addition they won the Brock Invitational Regatta. Both events were held at St. Catharines and the victories were highlighted by a strong showing by Western in all events.

The Volleyball Mustangs, after a slow start, showed improvement at every match and defeated the 1968 Canadian Intercollegiate Athletic Union champs from Ottawa in the O-Q.A.A. final to repeat as League champions. They journeyed to Sackville, N.B. for the C.I.A.U. championship and placed second in Canada, losing the final match to Winnipeg by the closest possible margin - 16-14, 16-14.

The Wrestling team edged out the defending champions from Guelph by a 74-71 margin in the O-Q.A.A. championships in Montreal. Three of the members won individual championships; Bill Tinslay (123 lb. class), Mike Connolly (137 lb. class) and Joe Rabel (145 lb. class). In addition, Mr. Connolly later added the C.I.A.U. title to his long list of accomplishments.

Others in the individual sports also brought league titles to Western. Ken Delf completed his second year of badminton with a record of not losing a single match as he repeated his O-Q.A.A. singles championship. Two outstanding Track men gained titles, Dave McGuffin clearing 6'2" in the high jump, and Max Morden with a triple jump mark of 46' 4½". One of the Swimmers set a new O-Q.A.A. record in winning the 200 yard breaststroke in 2:23:4. Klaus Meier won the 100 yard breaststroke championship in 1:06.0.

### MEN'S SPORTS - 1968-69 SEASON

- Badminton: Coach: Dutch Decker. Team placed third in Western Division play at Waterloo.
- Basketball: Coach: Jerry Gonser. Placed fourth in Western Division O-Q.A.A. with a 5-5 league record, overall record is 10 and 8. Won the Carleton Invitation Christmas tournament.
- Curling: Coach: Dutch Decker. Team placed third in Western Division bonspiel at Guelph with a 2-3 record.
- Fencing: Team placed third in Western Division tournament at Waterloo.
- Football: Coach: J.P. Metras. Season record 4-3 in O-Q.A.A. and 5-3 overall. Finished in third place in new set-up of O-Q.A.A. as Waterloo and McMaster were added to the league.



- Golf: Coach: Dutch Decker. Five-man team represented Western at the O-Q.A.A. Championships in Montreal in early October. Placed sixth in 12-team tournament with a 651 aggregate of best 4 scores.
- Harrier: Western placed sixth in the O-Q.A.A. Championship held in Guelph.
- Hockey: Coach: Ron Watson. Team finished third in Western Division with 7-7-1 record. Overall record was 10-9-1.
- Rowing: Coach: Phil Fitz-James. Won O-Q.A.A. Championship and the Brock Invitational Regatta, both at St. Catharines.
- Rugger: Coach: Derek Kersley. Finished season in third place in the Western Division O-Q.A.A. with a record of 4 wins and 4 losses.
- Skiing: At Mont Sutton, Quebec, the U.W.O. team finished in 9th place.
- Soccer: Coach: Stan Hill. Finished with a 4-2-2 record in second place in Western Division, two points back of Toronto Blues.
- Swimming: Coach: Bob Eynon. Finished in fourth place in O-Q.A.A. in Montreal.
- Squash: Coach: Jack Fairs. Team placed third in the O-Q.A.A. tournament in Waterloo.
- Tennis: Coach: Dutch Decker. Western placed third in Western Division O-Q.A.A. Tournament in Hamilton.
- Track & Field: Coaches: Dave Wise and Bob Vigers. Placed fifth in O-Q.A.A. at Windsor.
- Volleyball: Coach: Dutch Decker. Repeated as O-Q.A.A. champions, having to defeat Ottawa, 1967-68 Canadian champs, in the final playoff. Placed second in C.I.A.U. championships in New Brunswick Mount Allison University.
- Wrestling: Coach: Glynn Leyshon. Won O-Q.A.A. championship in Montreal, edging out defending champions Guelph 74-71.

### AWARDS

This year, two men were deemed of equal excellence and thus, for the second time in its history, the Dr. Claude Brown Memorial Trophy for the "greatest contribution to athletics" Purple Blanket Awards went to Ron Zanin and to Dave McGuffin.

The Howard Ferguson Award for "achievement in athletics, scholarship and college life", was not awarded this year.

Twenty-two Bronze W's were presented to those having won three First Colors.



Most Valuable Player Awards

John Metras Trophy (Basketball)	- Ron Zanin
George Oliphant Trophy (Wrestling)	- Mike Connolly
George McCullagh Award (Football)	- Ron Wakelin
Peter Fowler Trophy (Swimming)	- Arend Bonen and Paul Walker
Murray McNie Trophy (Track & Field)	- Wayne Yetman
Circle "K" Trophy (Hockey)	- Brent Imlach
Robert McChesney Trophy (Hockey)	- John Makins
King's Cup (Fencing)	- Steve Talos and Jeremy McNeil

Team Championship Awards

Rowing	- the E.C.I.R.A. Trophy and the Dr. Mirynech Trophy
Volleyball	- The Jim Forsyth Memorial Trophy
Wrestling	- The Porter Trophy

The Intramural Athletic Program included some twenty-two sports conducted at the championship level. In addition, numerous house leagues, fraternity leagues, residence leagues, pick-up leagues, tournaments, etc., were conducted in most of the activities, up to the limit of the facilities available. Many off-campus locations were utilized to expand the program, particularly Fanshawe Golf Club, Huron Bowl, Fleetway 40 and various secondary school and P.U.C. Recreation locations. Numerous activities at the club level were added to the program as well as instruction classes in many sports. All recreational activities continued to flourish and expand where possible.

The U.W.O. Championship Trophy for the overall Intramural Championship went to University College with a record point total of 281½.

Final Standing of Units

1.	University College	- 281½ points
2.	Huron College	- 221 points
3.	Middlesex/Talbot College	- 202½ points
4.	College of Science	- 183½ points
5.	Meds	- 152 points
6.	Kings College	- 134 points
7.	Engineers	- 112 points
8.	Business School	- 108½ points
9.	Law School	- 76 points

WOMEN'S ATHLETIC ACTIVITIESIntercollegiate Competition

In 1968-69 Western girls won 2 W.I.A.U. championships - Curling and Basketball. The Curling Championship was tied with McMaster and the Basketball Championship was tied with Toronto and McMaster. Second places were won in Indoor Archery, Badminton, Swimming, Volleyball, Tennis and Track and Field; and third places in Outdoor Archery, Ice Hockey, Fencing and Gymnastics. Fourth place was won in Skiing and seventh in Field Hockey.



In the Canadian Intercollegiate Telegraphic Track and Field Tournament, Western placed second. It is with pleasure that we mention that Western Intermediate Basketball team won the Invitational WITCA Intermediate tournament. Western teams were coached by: Mrs. Kunkel - badminton, synchronized swimming and field hockey; Miss M.L. Dresser - track and field and basketball; Miss Joy Taylor - tennis and volleyball; Mrs. U.R. Palmer - swimming; Mrs. Berzins - outdoor and indoor archery. Jon Cobb, a fourth year student coached ice hockey with Mrs. Palmer as staff advisor.

The newly formed league of WITCA (Women's Two Conference Intercollegiate Association) composed of W.I.A.U. and O.Q.W.C.I.A., has been very active in the past year. The W.I.A.U. sports included: outdoor archery, tennis, field hockey, swimming, badminton, volleyball, indoor archery, curling, basketball and ice hockey. The W.I.T.C.A. sports included field hockey, track and field, fencing, skiing, gymnastics and intermediate basketball. Our girls entered a team in the Canadian intercollegiate gymnastics championship and placed third. New sports added this year were fencing and skiing, in which the girls made a very good start - third and fourth places respectively. There were 130 girls taking part in the intercollegiate program.

The Intramural Program was co-ordinated by Miss J. Taylor. There is an apparent lack of interest in intramurals which was reflected in a drop in the number of participants and in participations. The newly formed W.A.C. Recreational Committee (chaired by Donna Huxtable) made the first move into the field of recreation. We hope that next year their efforts will meet with more interest from the student body.

The Women's Athletic Council was quite busy in the organization of intramural athletics, but, as mentioned above, there was not sufficient enthusiasm evidenced, even though we were able to offer more facilities for the intramural sports than in previous years. Competition took place in 13 different sports with 496 girls participating and many of these playing just one or two games.

The Lang Trophy (for Intramural competition) was won by Brescia College, followed by University College, Delaware Hall, Huron, Westminster and Middlesex Colleges, and the School of Nursing. The other competitive groups were the College of Science and the College of Music, Medettes and Spencer Hall. A re-organization of the intramural groups is planned for next year. The Intramural manager was Sue Cook.

The Women's Athletic Council in the fall of 1968 adopted a new divisional system in which an Intercollegiate Committee was organized to act as advisor to the Director of Women's Athletics in regard to (1) fostering and promoting intercollegiate sports and (2) helping in matters of policy and sports regulations of the W.I.A.U. and W.I.T.C.A. This committee was composed of representatives of all intercollegiate teams and of the W.A.C. executive. It was chaired by Peggy Keyes and has already proven to be of great importance, in its comparatively short period of existence.

The athletic season closed with the Women's Athletic Council Banquet held on March 26th in the Great Hall of Somerville House. To this banquet all Intramural winners and all intercollegiate participants are invited. At this time 26 girls received silver spoons for outstanding participation in Intramurals. 35 Bronze Keys, 16 Silver Keys and 3 Golden Keys were awarded to winners in Intramural sports.



10 manager's awards were made to the managers of intercollegiate teams. 21 girls were recipients of third colors which is a letter for participation in WESTGUMAC (Western, Guelph and McMaster) and exhibition games. 83 second colors were awarded to Intercollegiate players who did not win championships and 20 first colors for winning championships or placing first in individual events. 13 first colors were awarded to girls who had received 2 second colors in past years. Championship awards were received by 14 girls - 10 in basketball and 4 in curling. Bronze W's (for having received 3 first colors) were awarded to 5 girls. Jane Allison won the Jones Trophy for having made the greatest contribution to athletics. A number of special awards were presented to students who had made outstanding contribution to women's athletics within the university.

The Women's Athletic Council was chaired by Marg Timlin with Lee Griffin as Vice-president, Diane Townsend as secretary, Frieda LeBeer as publicity manager and Nancy Leal (until October), Jill McRae and Leith Young as representatives on the Athletic Directorate. The newly elected president for 1969-70 is Paddy Hardman, with Noel Holt as vice-president and Linda Graham as secretary.

The W.I.A.U. Annual Meeting was attended by President Marg Timlin and president-elect Paddy Hardman as student delegates, and Peggy Keys and Lee Griffin as observers. Staff representatives were Mrs. E. Berzins, Mrs. H. Kunkel and Miss J. Taylor.

The W.I.T.C.A. Annual Meeting, attended by approximately 20 universities represented by about 50 staff members, will be held at The University of Western Ontario on May 6-7, 1969. Much effort will be required of our women staff members to organize and chair this important meeting, as we anticipate a number of changes in our policies and regulations in regard to intercollegiate sports.

We look forward to a very active and we hope, a most successful year in 1969-70.



# UNIVERSITY ATHLETIC ASSOCIATION

## Report of the President

Dr. D. H. Thain

This year marked a major change in the organization of athletics and the Athletic Directorate - - at a special meeting April 11, 1969, The Athletic Association voted unanimously to request the Board of Governors and the Senate to

- (a) reconstitute the Athletic Directorate as a Senate Athletic Council, and
- (b) form a School of Physical Education combining the departments of Physical and Health Education (P. & H.E.) and Athletics.

These two separate, but closely related recommendations were the result of several reports (see appendix at end of report) constituting a penetrating analysis of the problems of Athletics, the function and authority of the Athletic Directorate, and the relationship of Athletics to Physical Education on this campus.

The main purpose of these recommendations is to rationalize the organization, planning, and operations of Athletics by integrating them with the P. & H.E. department. For several years now, especially since the major changes in the organization of the university, the organization and planning of Athletics have not been satisfactory.

This situation has resulted in what one knowledgeable member of the Senate termed "the crisis in athletics". The nature of this crisis and its underlying causes were described in my annual report for 1967-68.

Because of the lack of clear definition of authority and responsibility for Athletics, the Directorate has become deeply involved, more or less by default, in the operating detail of budgeting, hiring, program planning, and related activities, at the expense of planning and policy making. The functions of detailed planning and supervision of the operations of athletics should be turned over from the Directorate to personnel who are trained and paid to do the job. The logical solution to this problem is (a) to transfer operating and planning responsibilities for Athletics to a combined School of Physical Education and Athletics and (b) to assign the policy making function to a Senate Athletic Council.

A brief summary of the main reasons for replacing the Athletic Directorate by a Senate Athletic Council are as follows:

- (a) to bring athletics under the direct control and supervision of the Senate in order that educational aims and purposes be implicit in the operation of athletics,
- (b) to ensure that athletics are administered as part of the overall educational program of the university, and not as an "ancillary service" similar to a university-related commercial venture such as a bookstore or food service (as indicated in the annual financial report of the University).



- (c) to enable students to have a more effective voice in the planning and administration of Athletics, and
- (d) to change the function of the supervisory body for athletics from detailed involvement in the budgeting and operation of athletics to the formulation and supervision of policy.

The main reasons for integrating Athletics with a School of Physical Education are as follows:-

- (a) to combine the similar and related activities of the Departments of P. & H.E. and Athletics into one unified organizational sub unit,
- (b) to co-ordinate and improve the planning of personnel, facilities, budgets, and programs for both activities, and
- (c) to bring athletics into the context of an educational unit.

It is our hope that these changes will be ratified by the Board of Governors and the Senate in order to rationalize the organizational structure. Assuming that this request is implemented, there are still basic problems in Athletics that will confront those involved both during and beyond the transition period in which the new structure is introduced.

From my point of view, the following are the most important problems for which solutions must be found as soon as possible:

#### Budget

Although a workable and agreed upon budgeting process was introduced in October, 1968, it was not followed. A rather obvious reason was that participation in budgeting was new for many involved and budgeting for Athletics in an open, democratic manner was new for all. A more basic and complex reason for the many problems encountered is that a budget represents agreement as to (a) goals and objectives, (b) policies and programs, (c) operating methods, (d) priorities in regard to activities, (e) priorities in regard to personal imperatives and influence. Budgeting also involves complex trade-offs among a maze of interpersonal relationships and exchanges where past gains and losses are perceived to be increased and decreased, paid and collected. The budgeting difficulties in Athletics are particularly difficult in regard to both agreement as to what to do and how to do it and the interpersonal relationships. Any budget is necessarily a series of compromises. There is, therefore, no right answer as to what a budget should be; instead of a final solution, a "least worst" agreement emerges. The purpose of budgeting is to evolve a workable compromise and the optimum solution must be sought through agreement as to process, logical analysis, free expression of ideas, patience, cordiality, and persistence as new patterns are worked out at what will seem to be a slow, laborious pace.

While it was necessary for the Directorate to "check out" this process during the transition of the last two years, we have now reached the point where those directly involved should be able to co-operate more satisfactorily in presenting to the Directorate a budget that can be approved without prolonged disagreements.



### Facilities

Athletic facilities planning, non-existent and/or unsatisfactory for many years, is perhaps the most serious single problem area in athletics. As indicated in my report for 1967-68, the Athletic Directorate commissioned a planning committee "to assess the need for additional facilities and to make recommendations as to what is needed". The committee delivered a rather technical but useful report that further highlighted how far the University has fallen behind both the immediate need for athletic facilities and the development of such facilities relative to other universities.

As of April 1969, a Senate committee was studying this problem. When this committee is ready to make recommendations, it will report to the Senate, which will probably refer the whole problem to another committee, and so on. If the necessary action is to be taken to provide the immediate high priority athletic facility needs, those concerned will have to be more effective in formulating and implementing an adequate plan. The planning process should begin with an accurate visualization of the future ideal model of the university system and the position of Physical Education and Athletics in the total complex. With this overall framework in mind, policy decisions must be made as to the objectives, programs, location concepts (centralized or decentralized), building plans, and financing of athletic facilities.

While there has been some informal discussion of such problems, we have not yet set up a systematic process for getting on with the job. In the meantime, both the immediate needs and long range planning of facilities are jeopardized by an ad hoc approach.

### Coaches

The overall trend to performance appraisal, cost-benefit analysis, and rationalization is increasingly raising administrative issues in regard to the hiring, function, and evaluation of coaches. One of the immediate problems is that of defining working relationships with coaches, who on ratification of the new organization will be members of, or work in, the school of Physical Education and Athletics under the policy supervision of the Senate Athletic Committee. Several questions must be answered:

- (a) What is the purpose and function of a coach's work?
- (b) Should coaches have tenure as coaches?
- (c) If not, what should be the length and terms of the contracts under which they are hired and the standards of performance to be met for rehiring?
- (d) How should a coach be evaluated?
- (e) What are the problems of supervising and evaluating paid coaches who are working with amateur athletes enrolled in the University at large (as contrasted with the Department of P. & H.E.)?
- (f) What supervision of coaching and Athletics is needed (outside the Department of P. & H.E.)?



- (g) What part, if any, should coaches have in a Senate Athletic Committee?
- (h) What, if any, are the conflicts of interest between and among coaches, athletes, students, and faculty?  
How should the problems involved be controlled?

All these questions relate to pressing decisions that confront those now involved in the hiring, supervision, and evaluation of coaches.

There has been considerable evolution of the function of coaches, their position in the University, and their professional development over the last 20 years. We have done nothing in a systematic, formal manner to study the problems involved and to evolve adequate policies related to the coaches' functions, and relationships in the University. As a result, in this period when athletics are in a difficult stage of transition, we lack necessary guidelines for decisions and action.

#### Student Participation

Another basic issue that requires much consideration is the extent of student participation in the formulation and administration of athletic policies. The basic issues and problems involved were outlined in my report for 1967-68. Because of our preoccupation with difficult organizational and budgeting problems this year, the Directorate did not have time to deal adequately with this aspect of athletics. It is safe to predict that as the problems of organization and budgeting "sort themselves out", evolution of mechanisms for assessing and satisfying student wants and needs in regard to athletics will be increasingly important.

#### Long range planning

There is much evidence to suggest that many of the problems of Athletics at Western over the last five years or so have been the direct result of ineffective organization and lack of planning. Those involved, including the Directorate, have, perhaps necessarily, been addressing the wrong questions and spending their time on the wrong topics. An ad hoc, fire fighting approach has permeated the administration of Athletics to the detriment of all concerned. With the matter of organization at least tentatively off the agenda, the Athletic Directorate and the succeeding Senate Athletic Council should focus attention on basic problems related to long range planning.

The report of the Federal Task Force on Sports for Canadians contains a section titled "The Neglect of Sports by Educators" which is a direct attack on "the failure of our educational system to provide adequate athletic and physical training for the youth of the country". No where is this failure more obvious in the University than in the area of long range planning. This kind of planning includes definition of the kind of society that we wish to bring about, visualization of the function and position of education and the University, exploration of the contributions of athletics and physical training, and translation of these concepts into practical blueprints for programs, activities, organization, budgets, and facilities. The problems that the future Senate Athletic Committee should address are not operating questions such as: Should we spend \$32,000 or \$35,000 on football in 1975? Should a new hockey rink be built of stone or cement block? and so on, but important, fundamental issues such as: What will society be like in 50 years? How



will the university relate to society? What kind of university should we have? Where do Athletics fit? How do we translate excellent concepts into practical plans, worthwhile activities, and high standards of performance? If we do not get the attention of the Directorate and the Senate Athletic Committee transferred from short term, operating details to long term, fundamental issues and basic decisions, Athletics will continue to lose by default in planning.

Ideally long range planning for Athletics should logically be integrated with a parallel activity for the University. It is most unfortunate that such a comprehensive plan does not exist, nor, apparently, is one in preparation. If critical planning problems are to be avoided, satisfactory initiatives should be taken immediately.

Although we expect that 1969-70 will be a year of transition, the "swan song" of the Athletic Directorate, these issues must be addressed and policies in regard to each must be formulated. Any tendency to put off the hard work involved will simply result in a delay of much needed progress.

From a personal point of view, the most important function of this report is to allow me to thank formally all those involved in Athletics for their help and support. We have all enjoyed (I hope) open discussions of sometimes conflicting points of view. While exchanges of opinion became lively and positions were frankly stated, there was an underlying spirit of cordiality, respect, and co-operation that are the hallmarks of civility.

While many were involved, perhaps a retiring president can be pardoned for singling out several individually; Dr. Williams has allowed policy on Athletics to evolve democratically without pressing his personal views; Mr. Metras has made a valiant effort to adapt to, and co-operate with, fundamental changes that have affected him personally more than anyone else in the university; Professor L'Heureux, has unfailingly supported the Directorate and encouraged his staff to do likewise when it could have been most understandable if the Department of P. & H.E. had opted for a policy of separation from Athletics; Professor Yuhasz and his committee on the revision of the Athletic Association constitution gave much time and invaluable help in bringing the point of view of coaches and physical education personnel to bear on the re-thinking of the organization; Professors Strickland, McKay, and McClarty, past presidents of the Athletic Association, have been most helpful in bringing their impartiality, experience, and knowledge of the situation to bear on many problems; last, but certainly not least, the student members were unfailingly constructive, responsible, and cordial.



Appendix

The following reports explored in detail the problems involved, alternative solutions, and recommended courses of action in regard to Athletics and the department of P. & H.E.:

- 1) The Role and Conduct of Athletics at The University of Western Ontario - the Constitution Committee's Report to the Athletic Directorate, Dr. M.S. Yuhasz, Chairman, October 8, 1969.
- 2) A School of Physical Education Proposal - report of a Committee of the Department of Physical and Health Education, R.B. Eynon, Chairman, September 8, 1969.
- 3) Proposed Restructuring of the Athletic Directorate and Subsidiary Organizations, submitted to the Athletic Directorate by John Forsyth, student member, Dec. 4, 1968.
- 4) The School of Physical Education and Athletics, submitted to the Department of PHE by Mr. J.P. Metras, Sept. 8, 1968.
- 5) The Athletic Association, submitted to the Athletic Directorate by Mr. J.P. Metras, Dec. 8, 1968.



# OFFICE OF THE REGISTRAR

## Report of the Registrar

Professor J. K. Watson

The Statistical Report of my office for 1968-69 was published in the late summer and comprised working papers for the statistical information required by government agencies, the Comptroller, Senate Committees, faculty and students. No attempt was made in the Report to interpret the figures, or correlate them to educational changes and trends. It was our hope that the raw data, compiled in this form, might be of value to those with unusual needs for statistical information, and that the format would serve also as a cumulative basis for future studies.

As Registrar, however, I would like to draw attention to Intramural Winter Session registration, which more than doubled in each of the seven-year periods, 1954-61 and 1961-68.

1954-55 - - 2,098

1961-62 - - 4,725

1968-69 - - 10,141

Mid-1950 planning had been for an enrolment of 5,000 full-time students in 1962, with emphasis to be placed on the development of excellence. The capital expansion planning of 1962, forced by government insistence and the crisis in the secondary schools, projected an enrolment of 10,000 by 1970. The planners cannot be faulted that this figure was reached in 1968, two years earlier. They could not have foreseen the drastic changes in secondary school graduation, reflected in 1968 and 1969 enrolments, nor could they have foreseen the effect on our enrolments of the limitation of enrolment in sister institutions.

It is apparent another patterned wave of enrolment will crest in the mid-1970's, but it is impossible to envisage another doubling by 1975 which would place over 20,000 students on campus. The formula above, by its compound nature, may be only a curiosity. If not, and September 1969 registration would almost indicate that it could indeed happen, an extraordinary era of capital expansion must be planned, or restrictions placed on enrolment.

"Enrolment" is commonly interpreted, in the broad sense, as the intramural full-time student body. The growth of undergraduate extramural enrolment should not be overlooked, however. Attendance at Summer School increased from 667 in 1960 to 2,480 in 1968, and part-time winter enrolment through Extension and Correspondence increased at almost the same rate.

An interesting comparison, although it has no academic import, is the "Out-put" by graduation each May and the "In-put" of new students the following September.

	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>
Out-put by Graduation (Spring)	1207	1352	1447	1518	1732	1768
In-put by new students (September)	<u>2195</u>	<u>2362</u>	<u>2855</u>	<u>3174</u>	<u>3164</u>	<u>3807</u>
Increase	988	1010	1408	1656	1432	2039



The increase should not be interpreted as a real figure, although the pattern should be interpreted as true. The real figure of out-put would include students who withdraw for academic or other reasons at the end of a year, and the in-put does not reflect the number of students returning for work toward a second degree.

There has been annual concern in the faculties and departments over student academic goals, that is, the expediency rating by the students of the general programs to the honors programs. This discussion does not, of course, relate to the professional programs, but concerns only those offered by Arts and Science in Intra-mural Winter Sessions.

	<u>1960</u>	<u>1963</u>	<u>1967</u>	<u>1968</u>
Enrolment in Arts and Science	3125	4309	6320	7235
Ratio to total full-time enrolment	72.5%	73.1%	70.2%	69.2%
Enrolment in 4th Year Honors Programs	167	278	305	352
Ratio to total Arts and Science enrolment	5.49%	6.45%	4.82%	4.86%

Several factors should be acknowledged in weighting the above comparison. Expansions in the Faculties of Medicine, Law and Dentistry have provided opportunities not available in 1963; the number of students doing a "make-up" year is increasing, but cannot be included in this classification of undergraduate programs. On the other hand, Admission Scholarships were provided through Government Grants in 1963 and 1964, and if the recipients chose honors programs they would be graduating in 1967 and 1968. It should be noted also that the number of students in 4th Year Honors Programs in 1963 was 278, and had increased by only 74 in 1968.

Of interest to faculty should be the relationship to secondary school performance (achievement for admission) to first year university performance, particularly in 1968-69. I am aware that, to a professor, a student is a student and the details of his admission are irrelevant. However, since the post-Grade 13 class of 1968 was the first one in many decades to enter University on any admission criteria other than that of "departmental" examinations, the performance of the class at year-end is of academic significance. It is only ten years since the Grade 13 Study Committee of the Department of Education was conceived, yet revolutionary changes in secondary school policy, curricula, and teaching methods, have been implemented.

In estimating university performance of a class which had not been screened by external examinations, it was anticipated that the failure rate would be appreciably higher than in previous years. On the contrary, the failure rate of the first year class dropped from 10.4% in 1967 to 5.7% in 1968.

A comparison of averages assigned by the individual schools (1968) and those of the Department of Education (1967) showed two main points:

A greater percentage of students over 75% in 1968 than in 1967.

A lower percentage of students in the range 60 to 65% in 1968.



A comparison of university performance showed:

A decrease in the number maintaining 80% standing.

An increase in the number maintaining "B" standing.

An increase in the number maintaining 65 to 69.9% standing.

A decrease in the number remaining in the range of 60 to 64.9%.

The percentage of students entering with 60 to 64.5% who dropped below that level in university performance decreased dramatically from the previous year.

It must be understood that in relating these comments to the Statistical Report I have used only that portion of the first year class which entered university directly from Grade 13.

It is not my intent to belabor "Admissions", although the task of administering them has become almost a monster. Every area of our responsibility has increased by a similar factor of growth, and our dependence on the aid of the computer is now almost total. I would not dare to estimate the hundreds of hours of overtime that my staff have had to endure since late winter because of insufficient computer-time. It has been a source of wonder to me that so many people have been so dedicated that they have worked the long hours necessary to keep the academic detail of the University running.



## DEPARTMENT OF THE DEAN OF MEN

### Report of the Dean

Mr. T. L. Hoskin

This report covers student services in the Department of the Dean of Men during the academic year 1968-69. Some of these are for both men and women students but are actually in sub-departments under the Dean of Men. Financial Aid, Placement, Off-Campus Housing and the Reception and Advisory Service for foreign students are all in this category. Personal counselling, fraternities and residences are for men only and are more closely identified with the Office of the Dean of Men and the Assistant Dean of Men, Mr. A.E.D. McKenzie.

The steadily increasing demands on the staff of this department over the past five years can be seen clearly by the following enrolment figures of full-time undergraduate and graduate males at the constituent university:

	<u>1963-64</u>	<u>1966-67</u>	<u>1968-69</u>
<u>Men:</u>	3230	4883	5941
<u>Men &amp; Women:</u>	4867	7167	9016

When the 1968-69 enrolment figures for part-time students and the affiliated colleges are included, the total for men and women becomes 17,661 of which 11,130 (63%) were men.

In order to meet enrolment increases effectively, the Director of Financial Aid and the Director of Placement and Housing will each require male assistants by July 1st, 1970, and if the number of foreign students continues to increase, a full-time Advisor to Foreign Students will be required by July 1st, 1971.

The Dean of Men wishes to thank the University Health Services, Academic Counselling Office, Registrar, and academic departments for their co-operation in receiving referrals and in making referrals to this department. The earlier student problems, academic or personal, are identified, the easier it is to prevent student problems from producing problem students.

### STUDENT FINANCIAL ASSISTANCE

Mr. E.J. McLeod, Awards Officer, reports that a total of 10,364 awards for a total of \$5,542,148 were received by full-time graduate and undergraduate students in 1968-69. Table 1 shows an analysis by course, year and type of award. Table 2 shows an analysis of awards under the Province of Ontario Student Awards Program. The percentage of undergraduate men and women receiving financial assistance at this university has increased from 36.8% in 1963-64 to 54% in 1968-69 and these are percentages of an enrolment that has doubled as well during this period. Because of these increases, it is now necessary to record all awards and sources of aid in a computer. This program was started during the past year with the hope that information and records will be readily available to help in the daily operation and statistical analysis of work done in this office.



TABLE 1 - STUDENT AID SUMMARY, 1968-69

Number in Course	Course and Year	UNIVERSITY ADMINISTERED BURSARIES & GRANTS			SCHOLARSHIPS AND FELLOWSHIPS			OTHER AWARDS BY FIRMS GOVT. DEPTS. ETC. MAKING OWN SELECTIONS			ONTARIO STUDENT AWARDS (Grant Payments)			ONTARIO STUDENT AWARDS (Canada Student Loans)			UNIVERSITY LOANS			CRAND TOTALS
		Number	Value \$	Number	Value \$	Number	Value \$	Number	Value \$	Number	Value \$	Number	Value \$	Number	Value \$	Number	Value \$	Number of Awards	Total Assistance	
5,573	Arts Totals (see Table 2)	276	38,102.	394	107,484.	63	42,911.	2,357	1,039,770.	2,483	1,228,664.	62	14,685.	5,635	2,471,616.					
650	Science I	27	4,550.	142	32,630.	7	3,540.	278	122,450.	274	139,335.	2	100.	730	302,605.					
513	" II	28	4,475.	15	5,720.	10	7,911.	189	72,675.	188	90,640.	7	2,150.	437	183,571.					
348	" III	12	1,440.	16	7,700.	3	1,880.	132	60,195.	131	67,650.	2	450.	296	139,315.					
113	" IV	10	1,250.	23	11,247.	3	2,689.	38	19,725.	41	20,900.	1	400.	116	56,211.					
1,624	Totals	77	11,715.	196	57,297.	23	16,020.	637	275,045.	634	318,525.	12	3,100.	1,579	681,702.					
162	Engineering I	5	650.	8	1,900.	2	1,885.	74	33,325.	77	37,455.	1	50.	167	75,265.					
74	" II	5	550.	6	2,975.	-	-	38	14,565.	40	18,615.	1	400.	90	37,105.					
70	" III	5	650.	3	1,000.	3	1,800.	29	12,940.	29	14,400.	-	-	69	30,790.					
51	" IV	4	850.	11	5,850.	5	3,000.	26	10,035.	24	11,370.	-	-	70	31,105.					
357	Totals	19	2,700.	28	11,725.	10	6,685.	167	70,865.	170	81,840.	2	450.	396	174,265.					
133	Law I	13	1,900.	7	3,450.	-	-	75	32,510.	73	34,600.	2	800.	170	73,260.					
63	" II	8	1,400.	2	300.	-	-	46	33,495.	41	23,825.	1	50.	98	59,070.					
58	" III	7	1,200.	5	750.	1	1,659.	46	37,345.	44	25,795.	1	50.	104	66,799.					
254	Totals	28	4,500.	14	4,500.	1	1,659.	167	103,350.	158	84,220.	4	900.	372	199,129.					
77	Medicine I	18	2,800.	25	13,775.	3	2,175.	34	23,710.	38	20,310.	-	-	118	62,770.					
75	" II	9	1,250.	8	1,760.	5	3,925.	55	43,765.	53	29,310.	1	400.	131	80,410.					
78	" III	19	3,475.	7	785.	4	2,900.	61	64,645.	62	36,565.	2	800.	155	109,170.					
74	" IV	17	2,750.	8	950.	3	2,175.	56	51,760.	52	29,725.	3	1,200.	139	88,560.					
304	Totals	63	10,275.	48	17,270.	15	11,175.	206	183,880.	205	115,910.	6	2,400.	543	340,910.					
48	Dentistry	8	1,300.	5	1,310.	1	1,420.	33	28,670.	35	19,430.	3	850.	85	52,980.					
158	Nursing	4	700.	27	7,784.	54	90,075.	43	19,140.	43	22,265.	-	-	171	139,964.					
508	Althouse	6	900.	512	255,400.	2	2,120.	83	41,160.	203	96,335.	7	1,300.	813	397,215.					
8,826	Totals Undergrads.	481	70,192.	1,224	462,770.	169	172,065.	3,693	1,761,880.	3,931	1,967,189.	96	23,685.	9,592	4,457,781.					
341	M. B. A.	5	800.	58	63,820.	8	5,188.	83	60,255.	126	84,722.	17	4,550.	297	219,335.					
974	Other Grads.	11	1,975.	259	558,298.	74	240,884.	72	35,305.	52	27,420.	7	1,150.	475	865,032.					
1,315	Totals Grads.	16	2,775.	317	622,118.	82	246,072.	155	95,560.	178	112,142.	24	5,700.	772	1,084,367.					
10,141	Grand Totals	497	72,967.	1,541	1,084,888.	251	418,137.	3,848	1,857,440.	4,108	2,079,331.	119	29,385.	10,364	5,542,148.					



TABLE 2 - STUDENT AID, 1968-69

FACULTY OF ARTS - UNDERGRADUATES

UNIVERSITY-ADMINISTERED  
BURSARIES AND GRANTS

UNIVERSITY-ADMINISTERED  
AND  
ONTARIO SCHOLARSHIPS

OTHER AWARDS  
BY FIRMS, SOCIETIES AND GOV'T DEPTS.  
MAKING THEIR OWN SELECTIONS

Number in Course		Year	No. of Awards		Total for Men	Total for Women	Total Bursaries and Grants	No. of Awards		Total for Men	Total for Women	Total Scholarships	No. of Awards		Total for Men	Total for Women	Total Other Awards
M	W		M	W				M	W				M	W			
1,151	1,043	I	37	40	5,120.	6,370.	11,490.	72	208	19,329.	50,940.	70,269.	7	9	5,664.	5,135.	10,799.
834	769	II	33	30	4,241.	3,422.	7,663.	14	18	3,710.	5,540.	9,250.	12	8	7,913.	4,849.	12,762.
745	650	III	43	29	6,090.	3,861.	9,951.	26	47	9,085.	7,940.	17,025.	13	8	7,941.	7,374.	15,315.
231	150	IV	43	21	5,866.	3,132.	8,998.	23	35	6,300.	4,640.	10,940.	3	6	1,217.	2,818.	4,035.
2,961	2,612	Totals	156	120	21,317.	16,785.	38,102.	135	259	38,424.	69,060.	107,484.	35	28	22,735.	20,176.	42,911.

ONTARIO STUDENT AWARDS  
(Grant Payments)

ONTARIO STUDENT AWARDS  
(Canada Student Loans)

UNIVERSITY-ADMINISTERED LOANS

No. of Awards		Total for Men	Total for Women	Total Grants	No. of Awards		Total for Men	Total for Women	Total Canada Student Loans	No. of Awards		Total for Men	Total for Women	Total Loans
M	W				M	W				M	W			
521	435	243,395.	194,565.	437,960.	522	448	266,030.	231,560.	497,590.	8	14	1,250.	1,340.	2,590.
373	287	158,085.	107,130.	265,215.	373	303	179,910.	145,025.	324,935.	13	16	2,745.	500.	3,245.
347	241	157,390.	111,450.	268,840.	364	256	176,525.	127,915.	304,440.	16	3	4,650.	150.	4,800.
104	49	44,405.	23,350.	67,755.	149	68	68,264.	33,435.	101,699.	11	2	3,600.	450.	4,050.
1,345	1,012	603,275.	436,495.	1,039,770.	1,408	1,075	690,729.	537,935.	1,228,664.	48	14	12,245.	2,440.	14,685.

GRAND TOTALS

Number of Men Assisted:..... 1,609  
 Percentage of Men Assisted:..... 57.7%  
 Number of Women Assisted:..... 1,367  
 Percentage of Women Assisted:..... 52.3%  
 Number of Students Assisted:..... 2,976  
 Percentage of Students Assisted:..... 54.3%

Average Amount of Gift-Aid per Man Assisted:..... \$454.  
 Average Amount of Gift-Aid per Woman Assisted:..... 382.  
 Average Amount of Gift-Aid per Student Assisted:..... 418.  
 Average Loan per Man Assisted:..... \$487.  
 Average Loan per Woman Assisted:..... 500.  
 Average Loan per Student Assisted:..... 493.

Average Amount of Gift-Aid per Total Enrolment - Men:..... \$230.  
 Average Amount of Gift-Aid per Total Enrolment - Women:.... 208.  
 Average Amount of Gift-Aid per Total Enrolment - Students: 219.  
 Average Loan per Total Enrolment - Men:..... \$236.  
 Average Loan per Total Enrolment - Women:.... 207.  
 Average Loan per Total Enrolment - Students: 221.

No. of Awards		Total for Men	Total for Women	Total Assistance
M	W			
1,167	1,146	540,788.	489,910.	1,030,698.
818	649	356,604.	266,466.	623,070.
809	558	361,681.	258,690.	620,371.
333	155	129,652.	67,825.	197,477.
3,127	2,508	1,388,725.	1,082,891.	2,471,616.



TABLE 3

ANALYSIS OF GOVERNMENT AWARDS

Name of Award	Men		Women		Total	
	No.	Amount \$	No.	Amount \$	No.	Amount \$
Ontario Student Awards: (Grant Portion) (Canada Student Loans)	2,591	1,287,087.	1,257	570,353.	3,848	1,857,440.
	2,740	1,392,521.	1,368	686,560.	4,108	2,079,081.
Ontario Scholarships	110	16,500.	211	31,650.	321	48,150.
Board of Governors Scholarships	78	30,679.	72	34,668.	150	65,347.



In the Province of Ontario Student Awards Program alone, 4108 loans totalling \$2,079,331, and 3848 grants totalling \$1,857,440 were made to students at Western. Only a few minor administrative changes were introduced by the Ontario Department of University Affairs in 1968-69 and there will be little change in 1969-70.

The total aid from endowed bursaries remained about the same as last year. In 1967-68 it amounted to \$79,130 and in 1968-69 it was \$72,967. The slight reduction is due to the cancellation of the University Tuition Bursaries for children of Faculty and Staff. It is essential that endowed funds remain at this level as there are always cases of financial need for students who are unable to fit into either the Ontario Student Awards Program or the Canada Students Loan Plan.

Two new university-administered bursaries were established this year and both were for medical students:

- a) The Roche Bursary which, in fact, provides three bursaries of \$500 each, and
- b) The Maude H. Smallman Education Fund, a bequest. There was approximately \$2,000 in this fund at the commencement of the academic year.

The following bursaries were discontinued:

- a) Fireco Admission Bursary - one in the amount of \$500;
- b) Melvin Vernon Rayner Bursary for music students - five awards of \$100 each;
- c) Gilbert A. LaBine Bursaries - awards of up to \$150 each totalling \$1000.
- d) The University Women's Club Bursary, which has been changed to a scholarship in the amount of \$100.

The Awards Office sent reports to all donors giving names, addresses and other information concerning the award recipients. This year 62% of the students receiving these awards wrote "thank-you" letters, an increase of 12% over last year. The letters were forwarded to the donors along with their report.

It will be noted from Table 3 that the Board of Governors Scholarships total \$65,347 and Ontario Scholarships \$48,150. Last year the figures were \$76,000 and \$78,000 respectively, a difference of \$40,504. The reduction in Ontario Scholarships is due of course, to the across-the-board decrease from \$400 to \$150 for individual awards.

The general decline in scholarship funds has been a source of genuine concern. It is noted that the University is now taking vigorous action and plans to have established for 1970 a major new program of admission scholarships.



The capital in the U.W.O. Combined Loan Fund as of December 31st, 1968, was \$179,393.14 of which \$103,119.91 was out on loan. During the year, 74 loans were made from this fund for a total of \$22,245. From smaller U.W.O. Loan Funds outside the Combined Loan Fund, an additional 45 loans were made for a total of \$5,350.

The Awards Officer wishes to record his gratitude to the Assistant Dean of Men and the Dean of Men for their assistance in interviewing applicants during very busy periods. He anticipates problems in peak periods for the next two years when the Awards Office will be located temporarily in Thames Hall.

### OVERSEAS STUDENTS

The Overseas Student Reception Committee under the student chairmanship of Miss Nancy Johnson, a third-year arts student, had a highly successful year. Approximately 125 students were met by the student volunteers of the Reception Committee, and 109 students representing 26 countries were interviewed by Mr. A.E.D. MacKenzie, Assistant Dean of Men and Foreign Student Advisor, during their first week on campus. An orientation program for newly arrived foreign students is currently being planned for the 1969-70 academic year.

During the past year an information booklet - "Information for Prospective Students from Countries outside Canada" - was published through the co-operation of the Dean of Graduate Studies, the Admissions Officer and the Foreign Student Advisor. This booklet contains information on the degree programs offered at Western, as well as admission requirements. In addition, information is provided on financial matters, immigration regulations and general information on housing, student activities, climate and assistance on arrival.

During the academic year 1968-69, 572 overseas students, of whom 330 were graduates, enrolled at this university. The countries with the largest representation were as follows:

United States	105
United Kingdom	100
Hong Kong	79
West Indies	57
India	49
Taiwan	40

Three very enjoyable social evenings were held during the year. In the fall, Friendly Relations with Overseas Students and Trainees sponsored a coffee party for the newly arrived overseas students and again in March they sponsored a reception at the Holiday Inn for all overseas students studying at Western. The International Students' Club in co-operation with the Society of Graduate Students held an International Dance, also in March, and the evening was highlighted by the crowning of "Miss International", Joycelyn Salvador, a second-year science student from the West Indies.

The Overseas Student Reception Committee received valuable assistance from members of Friendly Relations with Overseas Students and Trainees, and the University Women's Club who provided temporary accommodation for many of the new students. The excellent co-operation and assistance of Mr. Neil Campbell



and his staff at Westminster in providing additional temporary accommodation for overseas students during August and September has been very much appreciated by all concerned.

### PLACEMENT

Mr. C.F. Way, Director of Placement and Off-Campus Housing, reports that the scheduled placement program was conducted in two phases:

Engineering and Science	- November 4 to December 13
Arts and Law	- January 6 to February 14

In preparation for the scheduled placement season a new brochure was mailed to industrial, business and government firms and agencies in June 1968. This brochure had been improved from the previous design in order to eliminate any possibility of ambiguity and confusion for the recruiting companies. The brochure was mailed to 248 companies by the end of June and they were asked to notify their recruiting intentions by the end of September. The results of this mailing were as follows:

No of Companies Invited	-	248
Affirmative	-	183 (26 later cancelled)
Negative	-	42
No Reply	-	23

Some firms visited the campus twice in order to interview students in both phases; some were able to make only one visit, but wished to see students from both phases; a few firms requested service after the placement season was finished. Every effort was made to accommodate the requirements of all visiting firms, whether they conformed to the planned schedule or not. The activity during the first phase was closely parallel to that of the previous year. Some former visitors declined to recruit but the gaps thus created were filled by new participants. In the second phase there was a substantial reduction in the number of companies visiting the campus, in comparison with the 1967-68 season, and more cancellations of recruiting arrangements. As regards job availability, there was no overall impression of reduced hiring, except with Government agencies; in fact, the trend appeared to be that companies wished to hire more graduates than in the previous year. Salary offers to graduates were by and large the same as in 1967-68. Most recruiters stated that their policy was to "hold the line". The chartered accountant group made the best gain in this respect and invariably attracted good response from students.

The tables overleaf show participation of companies and the comparison with the 1967-68 season. A list of the visiting companies and agencies is included as Annexure A.



Although the placement season ended on February 14th, several firms came on campus after that date to interview students. As well, throughout the year there were many specific vacancies offered, by letter or telephone, and every effort was made to arrange contact between applicants and employers. Little or no information is available concerning the outcome of most of these since neither applicants or employers supply feed-back information. In particular, many vacancies for graduating engineers were received after the end of the placement season, with no response; it appeared that all engineer graduates had accepted employment by mid-March.

In addition to the summer employment opportunities offered during the regular placement season, a considerable number of posters, notices etc. were received during the year soliciting direct application from students.

As a result of concern shown by the University Career Planning Association and the Association of Universities and Colleges in Canada over the problem of summer employment for students, a national campaign was initiated to publicize the need for employment. The University was asked by A.U.C.C. to set up a Committee to inquire into the problem and take appropriate action. The Committee was set up in January 1969 under the chairmanship of the Dean of Men with all faculties and administrative departments being represented and, as well, the London Chamber of Commerce and local Canada Manpower Centre. It was adopted as policy that all summer vacancies within the University would be filled by U.W.O. students wherever possible and all departments were encouraged to make maximum employment available within the limits of budget. The Chamber of Commerce undertook to canvass all firms in the London area to encourage the hiring of students and Canada Manpower agreed to work closely with the Placement Office in placing students. As a result of this program, and with the help of the news media, there was the widest possible coverage and co-operation in the London area and undoubtedly this was effective in obtaining summer work for our students. A survey is planned in September 1969 to determine exactly how our students got along last summer. The Placement Office conducted a special program during the month of March to register students wishing summer employment and, in co-operation with Canada Manpower, copies of resumes were sent to that agency.

### OFF-CAMPUS HOUSING

The construction strikes occurring in early May, made it seem doubtful that the new student housing complex would be ready for occupancy in September and it was feared that this, coupled with increased enrolment, would cause a serious student housing shortage. The Joint Housing Committee met early to consider the problem, to examine the possibilities for alternative accommodation, and to initiate action for increasing the quantity of off-campus housing. In addition, the President made an announcement, in conjunction with the President of the U.S.C., calling attention to the gravity of the situation and the measures being taken. An advertising campaign was authorized and full-page advertisements were placed in the London Free Press on July 27th and August 1st, as well as in two small London weeklies. This campaign was accompanied by sporadic stories by the news media which served to keep the housing "crisis" in the minds of the public during the summer.

There was plenty of off-campus housing to meet the needs of the students, as shown by the following figures:



Engineering & Science Phase

	<u>1968-69</u>	<u>1967-68</u>
Petroleum	17	11
Mining	6	5
Manufacturing (Non-Durable)	19	25
Manufacturing (Durable)	27	25
Communication	3	4
Government	11	16
Chartered Accountant	7	7
Insurance	9	9
Services	1	7
Finance	1	0
	<u>101</u>	<u>109</u>

Arts and Law Phase

	<u>1968-69</u>	<u>1967-68</u>
Petroleum	7	7
Mining	1	0
Manufacturing (Non-Durable)	12	15
Manufacturing (Durable)	9	15
Communication	3	4
Government	11	7
Retail Trade	5	7
Finance	7	11
Chartered Accountant	13	14
Insurance	15	18
Services	6	4
Education	4	0
	<u>93</u>	<u>102</u>

Taking into account that fewer companies recruited on campus than in 1967-68, the number of students presenting themselves for interview nevertheless showed a significant increase.

Total students involved	- 1028
Total interviews	- 3323

Public service examinations were conducted on the evening of October 22nd in the Natural Sciences Centre, with results as follows:

	<u>Admin. Trainee</u>	<u>F.S.O.</u>
Sat for examination	175	94
Qualified	40	34



To October 5, 1968      To October 6, 1967

Students registered	3369	2581
Housing units listed	2039	1569
Units rented	1298	1058
Units available for rent	722	525

Of the many alternatives considered, only the houses available in the former married quarters area at Centralia were used. Ten of the possible 100 houses were prepared for occupancy but only seven were rented to students. At no time did the availability of housing fall below 650 units which, multiplied by the 2.6 capacity factors, meant that accommodation was available for at least 1690 students at any time during the summer.

Several improvements in the off-campus housing service were incorporated during the year, as set forth below:

- a) Free Telephone Service: This was made available to students in order that they could inquire about accommodation listings. They were located in an office adjacent to the display board area and, at the peak of the season, three telephones were in use.
- b) Eight-month Leases: As a result of meetings with the London Property Management Association, a number of apartment owners signified their willingness to write eight-month leases for the benefit of students.
- c) "Hand-Out" Material: In addition to the usual instruction papers given to students, a precis for the guidance of students renting apartments and a combined check-chart and suitability questionnaire were produced and made available to students.
- d) Filing System: A more flexible filing system with a standardized record card was put into use.

In September 1968 the Department of Systems and Data Processing was approached concerning the possibility of converting the off-campus housing operation to ADP. Work was commenced in February and the cards were available for mailing to householders by mid-March. One example of an advantage gained was that it was possible to effect the mailing of over 2000 cards in two days as opposed to one month in the previous year. As in previous years, lists of housing available for summer school students were compiled and sent out on request. The list contained about 350 accommodation listings and was mailed to 130 prospective summer school students. As the print-out of this list was done by computer, this operation was accomplished with considerably greater ease this year.

### RESIDENCES

The Warden of Men's Residences, Dr. W. Cameron Henry, reports that



the following were on the staff of Sydenham Hall in 1968-69:

<u>Proctor:</u>	Dr. T.B. (Max) Ong, M.D.,M.Sc.
<u>Dons:</u>	Professor George M. Thomson, B.A.,LL.B.
	Dr. Vladimir (Walt) Yakovishin, M.D.
	Dr. Roger J. McCarter, M.Sc.,Ph.D.
	Mr. Jack Restivo, B.A.
<u>Secretary:</u>	Mrs. Grace Spencer

Also associated with the residence were ten members of faculty who accepted the honor of being appointed "Fellows of Sydenham Hall":

A.G. Davenport, M.A. Sc., Ph.D.	Professor and Director Engineering Science Boundary Layer Wind Tunnel
P.A. Forsyth Ph.D.,F.R.S.C.	Professor Department of Physics Physical Sciences Bldg.
J. Havelka, M.A., Ph.D.,M.Sc.	Professor (Associate) Department of Psychology Middlesex College
L. Ignatieff M.A.,Ph.D.	Professor Russian Studies Talbot College
A.H. Johnson M.A.,Ph.D.,F.R.S.C.	Senior Professor Department of Philosophy Talbot College
* R.G.E. Murray, M.A.,M.D.,C.M.,F.R.S.C.	Professor and Head Department of Bacteriology & Immunology Medical Sciences Bldg.
H.C. Palmer B.Sc.,Ph.D.	Professor (Assistant) Department of Geophysics Biological and Geological Sciences Bldg.
J.G. Rowe B.D.,M.A.,Ph.D.	Dean of the Faculty of Arts, University College.
R.H. Stinson B.A.,Ph.D.	Professor Department of Zoology Biological and Geological Sciences Bldg.
W.A. Thompson A.B.,M.B.A.	Associate Dean School of Business



W.H. Wehlau  
A.B., Ph.D.                      Professor and Head  
Department of Astronomy,  
Cronyn Memorial Observatory

\* on leave of absence.

The following were on staff in Medway Hall in 1968-69:

Proctor:                      Dr. Patrick W. Whippey, B.Sc.,Ph.D.

Dons:                         Mr. James A. Erskine, B.E.Sc.,M.B.A.

Dr. Romas Mitalas, M.A.,Ph.D.

Mr. Jean C. Monty, B.A.

Secretaries:                 Mrs. Pat Smith

Mrs. Betty Kelly

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

J.H. Blackwell,  
M.Sc.,Ph.D.                      Senior Professor and Chairman  
Applied Mathematics  
College of Science

G.J. Brandt,  
M.A.,LL.B.                        Professor (Associate)  
Faculty of Law

T.J. Casaubon,  
B.A.                                 Assistant Dean  
Althouse College

R.W. Packer,  
M.A.,F.R.G.S.                      Professor  
Department of Geography  
Middlesex College

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

R.J. Rossiter,  
D.Phil.,D.M.                        Dean of Graduate Studies  
Vice-President (Academic)  
Stevenson Hall

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

H.B. Stewart  
M.D.,Ph.D.                         Professor and Head  
Department of Biochemistry  
College of Science

A.M. Urquhart  
O.S.A.,A.R.C.A.                      Professor (Assistant)  
Department of Fine Art  
Talbot College



Honorary Residence Fellow

Brigadier the Honorable, Warden of Medway Hall  
 Milton Fowler Gregg, V.C.  
 C.B.E., M.C., E.D.

The men's residences were full during the regular academic year. During the summer of 1969, there were 266 summer school students, 18 graduate students, 1339 people in special groups, and 132 casual guests living in the men's residences. The applications and other administrative details involved in summer occupancy were directed by Mr. R.A. Virtue, Business Manager of Residences, and his capable staff.

FRATERNITIES

The nine fraternities at the University of Western Ontario had another excellent year in scholarships. All but one fraternity maintained a record of academic achievement well above the all men's average for the University.

Alpha Kappa Kappa for the second year in a row won the Northern Life Trophy for the best record of chapter scholarship in the fraternities of Western, with Sigma Chi a close second. Two fraternities received national recognition for their academic attainment. Sigma Chi was designated "Summa Cum Laude" by the National Interfraternity Conference for excellence in scholarship in competition with all chapters of all fraternities in the Conference. In addition, Phi Delta Theta was ranked third in North America for scholarship in competition with 95 other Phi Delta Theta Chapters.

During the year, the Interfraternity Council again participated in several community projects such as the Red Cross Blood Bank. Besides this, individual fraternities provided Christmas parties for orphans and entertainment for senior citizens.

Perhaps one of the most significant steps taken by the Interfraternity Council this past year was a complete review of its constitution. The Interfraternity Council presented a draft of a revised constitution to a mass meeting of fraternity men held in Talbot College. In this manner each fraternity and each fraternity brother was given the opportunity to express his opinions on the draft.



## DEPARTMENT OF THE DEAN OF WOMEN

### Report of the Dean

Dr. Leola E. Neal

Although the registration figures are given in detail in the Registrar's report, it is of interest to summarize the data for women. Of the 10,141 full-time intramural students, 3,603 or 35.5% were women. Of these, 3,065 were registered in the Constituent University and 538 in the Affiliated Colleges, Brescia, King's and Huron. Of the 3,065 full-time women students, 2,885 were undergraduates and 180 graduates. They were enrolled in the Faculties and Schools as follows:

	<u>Undergraduate</u>	<u>Graduate</u>
Faculty of Arts	851	34
Faculty of Music	115	1
Faculty of Social Science	1,068	37
Faculty of Science	347	34
School of Business Administration	3	
Faculty of Engineering Science	3	2
Faculty of Law	13	
Faculty of Medicine	74 *	33
School of Nursing	158	10
Faculty of Library and Information Science		29
Faculty of Dentistry	4	
Pre-Business	17	
Unclassified	30	
Althouse College of Education	202	
 TOTAL	 2,885	 180

\* Includes Medical Rehabilitation



It is all too obvious that women students are registering in every Faculty and School. As well they have been increasing in numbers significantly over the past decade. The percentage increase of full-time undergraduate women in the Constituent University has been of the following order:

	<u>Women</u>	<u>Percentage Increase</u>	<u>Percentage Increase (accumulated)</u>
1968-69	2885	22.3	203.1
1967-68	2359	2.3	147.8
1966-67	2307	21.1	142.3
1965-66	1905	20.6	100.0
1964-65	1580	9.3	66.0
1963-64	1445	16.9	51.8
1962-63	1236	10.9	29.8
1961-62	1115	17.1	17.1
1960-61	952		

In addition to the full-time students, there were 164 women enrolled as part-time intramural students; 117 undergraduates and 47 graduates.

It was mentioned previously that 538 of the women were registered in Affiliated Colleges. This represents 47.9% of all such students (1,125) and is of particular importance because many of these students are registered for two or three courses in the Constituent University.

### STUDENT ACTIVITIES

As in the past many women students have been active in campus affairs. A number of them have served effectively on the Councils and the executives of various clubs. Others have spent countless hours in the "performing arts", publications, and athletic activities and found the experiences for the most part relaxing and rewarding.

One group, namely the Undergraduate Women's Organization deserves special mention. This group planned and organized social events which were designed to help first year students meet one another and learn about Western. Among the events were the Freshette meeting and coffee hour, the Fashion Show and the very successful Co-Ed Ball. This group also provided a \$100.00 award for a woman student.

The three Greek-letter organizations and the Pan-Hellenic Council had a busy year. In Pan-Hellenic a great deal of time was spent reviewing Rushing Procedures and planning for the future. In a large and growing University it seems more difficult to publicize the role and advantages of fraternal organizations. Membership in sororities, contrary to what one might expect, continues to remain static.



## RESIDENCES

The housing of students is of major concern in this department and it was disappointing indeed to learn that the New Residence Complex on Windermere Road would not be ready for occupancy in September. In this 1600-bed Complex there is a high rise unit for 306 single women. With already existing residence halls, Delaware Hall (for 452) and Spencer Hall (for 94), the University will be providing residence accommodation for 852 women students: 27% of the full-time intramural out-of-town women. Slightly more women, in effect, will be living in residence halls because of student projects (sororities and Roxburghe College) and the United Church-sponsored, Westminster College.

The number of applications for residence accommodation increased markedly to 2,330; 538 from upperclass and 1,792 from freshettes. Priority was given to undergraduates. A word or two is in order about residence applications. Applications represent people, not simply names with numbers on a computer list. University registration policies seem each year to be a state of flux. This makes it virtually impossible to state definitively and at an early date how residence applications will be processed. This situation is confusing to many students and their parents and frustrating to those responsible for placing students in residences. This is a period of rapid expansion complicated by change and innovation and there will be many problems, some of which no one can anticipate. One expects this, welcomes it, and one can be tolerant and understanding. However, confusion, inconsistencies and mid-stream switches in policies must be avoided if possible by long-range planning, team work and good communication.

Delaware Hall is a busy place both during the academic year and the summer. In the winter session 453 were in residence; 321 freshettes, 132 upperclass. One student was domiciled in a guest room. Most of the students came from Ontario but 9 were from other parts of Canada, 12 from the Commonwealth Countries and 2 from the United States of America. The academic record was very good; 7.9% on the Dean's Honors List and only 1.1% failed the year's work.

At Spencer Hall there were 94 students in residence; 87 freshettes and 7 upperclass. Ninety of these students came from Ontario, the other four from Commonwealth Countries and the United States of America. The academic record was satisfactory; 4.3% were on the Dean's Honors List and 5.3% failed the year's work.

In the period, May to September, at both Delaware Hall and Spencer Hall there were special groups and Summer School students. Although a few students stayed at Delaware Hall during the entire summer there were 143 who stayed for a month or more. During July and August there were 51 men at Spencer Hall registered for Summer School courses. There was only one special group at Spencer Hall, September 4 to 6. At Delaware Hall there were 13 special groups. They varied considerably in size and number of days in residence. They were as follows:

<u>Name of Group</u>	<u>Date in Residence</u>	<u>No. Attending</u>
U.W.O. Business Conference	May 8 - 10	133
Committee on Continuing Education	May 12 - 15	82



<u>Name of Group</u>	<u>Date in Residence</u>	<u>No. Attending</u>
Directors' Seminar	May 14 - 15	57
Ontario College Health Association	May 14 - 16	3
U.W.O. Alumni "Live-in"	May 31 - June 2	19
Computer Course for Industry	June 2 - 8	26
London Physical Educators' Association	June 5 - 7	28
Nursing Executives' Seminar	June 9 - 21	49
Canadian Institute for Organization Management	June 16 - 22	84
Elem. and Sec. School Principals' Course	July 1 - 26	235
History Up-Dating Course	Aug. 4 - 16	7
Conference Acute Injuries of the Hand	Aug. 15 - 16	1
Canadian Union of Students Overseas	Aug. 16 - 23	4

The co-ordination and assignment of special groups was the responsibility of the Business Manager of Residences, Mr. R.A. Virtue. We acknowledge his contribution and that of his staff.

It seems wise to emphasize again this year that it is a period of soul-searching. The aims and policies of residence halls are constantly under review. A Special Committee appointed by the Senate is wrestling with these very problems and the report is eagerly awaited.

### COUNSELLING

It is the same story every year. A great deal of my time is devoted to personal counselling. Students came to discuss their many and varied problems. It was often necessary to refer students to others, namely the College Deans, the Physicians and Counsellors in the University Health Service, the Registrar, the Director of Financial Aid, and the Director of Placement and Off-Campus Housing. Without the co-operation of many people, problems would not have been resolved to the students' satisfaction. The co-operation of all who helped in any way is recognized and appreciated.

### GIFTS

We acknowledge and are grateful for the following gifts from the Delaware Hall Residents' Council:

- 3 Awards of \$50 each for Delaware Hall Residents
- 1 New television
- Toasters for every kitchenette
- Weight scales for every laundry room



## UNIVERSITY HEALTH SERVICE

### Report of the University Physician

Dr. Richard J. Bowen

Increase in the population of the university community brought about a consequent rise in the patient load of the Health Service.

The clinic hours were not changed and it is felt that the student requirements were adequately contained.

Double physician coverage was instituted for the morning hours and three afternoon periods were also covered by two physicians.

Nursing services were also increased.

#### GENERAL

##### Graduate Students

More graduate students were reached and the feeling is entertained that this group of the university family is accepting the services available.

##### Physical Examinations

The pre-registration medical examination is becoming even more valuable. It is felt that the examination of transfer students is imperative. With this procedure personnel and group screening is obtained with considerable benefit to the student and protection to the community as a whole.

It is again mentioned that a review of these examinations makes it possible to follow up conditions needing care and finalization.

##### Tuberculosis Survey

At registration all registrants were skin tested. Positive reactors and recent converters were x-rayed as soon as possible. This method materially decreases the possibility of "cases" of acid fast infection staying in the university.

##### Student Insurance

The major change was in referral to a consultant. When a university physician referred a student, student insurance paid the consultation fee.

##### Activities

During this period the student counsellors have been active with similar departments and have attended numerous meetings.

The student Health Service was represented at the annual meeting of the Canadian College Health Association held in conjunction with the Canadian Association of Personnel Services.



## STAFF

Dr. M. Dillon, Dr. F. Haley and Dr. R. McNeil were appointed as assistant university physicians.

### Acknowledgements

The numerous details in connection with the Tuberculosis Survey and subsequent follow up were directed by Mrs. E. Jarvis, secretary of the Health Service.

Mrs. J. Bond R.N. assisted by Mrs. D. Ryckman R.N. managed the increasing load put on the nursing staff for this period and rendered great support to the physicians.

Mrs. J. Boughner R.N. at Althouse College was of great assistance in referrals to the university physicians.

The administrative details of insurance matters were managed with great consideration by Mr. J. Barton, Administrative Assistant.

## SUMMER SCHOOL

The 1968 Summer School attendance was markedly increased. The Health Service was pleased to treat, consult and refer to specialist care as requested.

## COMMENT

The immunization clinics for those contemplating foreign travel are increasing and are of obvious value.

The value of student counselling service is evident. Psychiatric referral is greatly diminished.

The incidence in foreign students applying for landed immigrant status is greatly increased. In the opinion of the writer this is of doubtful benefit to our economy.

It is gratifying, in working with the student population, to find that the vast majority are well motivated, industrious and not given to the bizarre thought and actions of a very small minority.



## Health Service Statistics July 1, 1968 - June 30, 1969

Referrals

Cardiac	3
Diagnostic Xrays	252
Treatment Xrays	31
G.I. series	20
Dermatologist	70
Orthopaedist	46
Allergist	13
Medical	21
Surgical	92
Eye	94
Ear, Nose and Throat	41
Dental	22
Neurologist	12
Urologist	26
Psychologist	74
Psychiatrist	5
Physiotherapist	22
G.Y.N.	46

Prophylactic Inoculations

Allergy Serum	119	students received	1421	injections
Cold Vaccine	5	" "	24	"
Mumps Vaccine	2	" "	4	"
Gamma Globulin	6	" "	12	"
Typhoid-Para A & B	(1)	314 injections		
" "	(2)	316		
" "	(3)	299		
T.A.B.T.	6	"		
Diphtheria Toxoid	6	"		
Tetanus-Polio Vaccine	285	"		
Poliomyelitis Vaccine	15	"		
Tetanus Toxoid	102	"		
Cholera Vaccine	(1)	146		
Cholera Vaccine	(2)	142		
Typhus Vaccine	(1)	96		
Typhus Vaccine	(2)	90		
Small Pox Vaccine		538		

Tests

Paul Bunnell	177
ECG	1
Wasserman	26
Neisserian	21
Schick	9
B.C.G.	6
White Blood Count	19
Complete Blood	21



House Calls

Dr. Bowen	11
Dr. Milner	5
Dr. Haley	2
Dr. McNeil	3

Staff and Faculty seen in Health Service 256

(not in student count)

Re Vac.	46
TA B. injections	42
Cholera injections	22
Tet Polio injections	12
Typhus injections	20
Tet Toxoid injections	24

Althouse Health Service Department September 1968 - May 1969.

Visits to Health Service Dept.	1825
Students referred to Dr.	108
Visits by faculty re. students	86
Visits to students in hospital	17
Students innoculated	45
Insurance Claims	20

Comparison1967 - 1968

Total visits	12076
Immunization	1214
	<hr/>
	13290

1968 - 1969

Total daily visits	13843
Immunization visits	1898
	<hr/>
	15741



## OFFICE OF THE COMPTROLLER

### Report of the Comptroller

Mr. R. R. Glover

It is a pleasure to submit a review of the financial operations of the University for the year ended 30 June, 1969.

The year 1968-69 was the second year of operation under the Province of Ontario Operating Grants Formula. The experience gained during the initial year under the new system, enabled the Universities of Ontario to avoid the inevitable transitional problems which were encountered in the previous year.

Revenue from fees, Provincial grants, and other sources, exclusive of ancillary operations, amounted to \$34,321,989. This was substantially above the original estimate due principally to the increase in enrolment which was much greater than anticipated. Expenses which included certain special items referred to later in this report amounted to \$32,918,180. As a result, the year ended with an operating surplus of \$1,403,809, approximately 4% of general operating revenue.

#### EXPENSES

Expenditures for academic instruction, libraries and research, again accounted for the largest part of the University's expenses, totalling \$27,559,784. This was an increase of \$4,587,124 over 1967-68 and represented 84.5% of the total ordinary educational and general expense. Administrative expense of \$1,117,498 accounted for 3.4%, and the portion devoted to the operation and maintenance of the physical plant, excluding alterations and renovations, was \$2,804,879, or 8.6%. A major expenditure was a special mid-year increase of 5% of full-time salaries. This involved an expenditure of \$941,654, and was equal to about 3% of ordinary educational and general expense. Another item which was not included in the original budget for the year was a provision for an improvement in the annuities for members of staff in retirement for more than 5 years. This provision amounted to \$336,032.

#### REVENUE

Revenue available for educational and general purposes, excluding the ancillary operations, amounted to \$34,321,989, which exceeded the previous year by more than 27%. Revenue from fees was greater by \$972,239 than in the previous year but accounted for 15.3% of the educational and general revenue as compared with 15.8% in 1967-68.

The Province of Ontario Grant under the Operating Grants Formula totalled \$19,609,379 or 57.1% of general and educational revenue compared with 55.4% in the previous year. In addition, special Provincial grants were again received toward the operating expenses of the new Faculty of Dentistry and of the new School of Library and Information Science in the amounts of \$650,000 and \$175,000 respectively. A special Provincial grant of \$295,095 was also received for the support of computing facilities used in teaching and research.



The City of London increased its generous support to \$157,500 which was \$7,500 greater than in the previous year. One half of this grant was credited to general operating revenue and one half to capital funds as in previous years.

Income received from investments increased by \$132,775 to \$659,247. This increase was due in large part to the historically high interest rates which prevailed throughout the year. All current funds which were not immediately required were invested on a short-term basis to take advantage of the favourable interest rates.

A substantial increase occurred in the revenue received from the Ontario Hospital Services Commission through the local hospitals towards the salaries of clinical staff in the Faculty of Medicine for services rendered to the hospitals. The amount received in 1968-69 was \$492,230 which was \$210,722 or 75% above the amount in the previous year. In addition, \$187,654 was recovered for the University's costs in providing laboratory services in Victoria Hospital, an increase of \$20,827 or over 12%.

#### THE NET RESULT OF THE YEAR'S OPERATIONS

The net result for the year was an operating surplus of \$1,403,809. Comparative results for the preceding five years are given below:

1967-68	\$ 64,375 deficit
1966-67	58,689 surplus
1965-66	12,429 surplus
1964-65	12,569 surplus
1963-64	46,894 deficit

#### NET INCOME CARRIED FORWARD

Balances totalling \$123,893 in several reserve funds which had served the purposes for which they had been established in prior years and which were no longer required, were credited to the general surplus account. In addition, a change of accounting policy concerning inventories in shops and departmental stores resulted in the transfer of inventory reserve funds totalling \$239,719 to the general surplus account. The total of net income carried forward at the year end after these adjustments was \$1,947,177.

#### RESEARCH

The amount expended on research from funds provided by outside sources increased to \$5,821,169, an increase of almost 11% over the previous year. Comparative totals for the preceding five years are as follows:

1967-68	\$ 5,249,235
1966-67	3,873,805
1965-66	3,171,751
1964-65	2,212,883
1963-64	1,990,199



The 1968-69 research expenditures were distributed among the various faculties and Schools as is shown in the following table:

<u>Faculty, School etc.</u>	<u>Total Assisted Research</u>	<u>Percent of Total Research Expenditures</u>
Faculty of Medicine	\$ 2,630,904	45.19%
Faculty of Arts & Science	2,058,360	35.36
Faculty of Engineering Science	569,482	9.78
School of Business Administration	168,945	2.90
Museums	286,816	4.93
General	85,023	1.46
Faculty of Dentistry	13,427	.23
Faculty of Law	5,528	.10
Faculty of Nursing	2,684	.05
	<u>\$ 5,821,169</u>	<u>100.00%</u>

### ANCILLARY ENTERPRISES

The operations reported in this section are the Food Services, the Residences, the Book Store, the Health Services, and Athletics.

All operations in this category operate with the objective of breaking even, and this was achieved in the year under review, with the exception of the Residences in which an operating deficit of \$22,759 occurred. This was due principally to the pre-opening expenses of the new Glenmore Residence Complex which was not ready for student occupancy until July 1969.

A summary of the net operating results for the ancillary enterprises is as follows:-

Residences	\$ 22,759	deficit
Food Services	11,538	surplus
Book Store	35,095	surplus
Athletics	10,934	surplus
Health Services	- 0 -	*

\* After a subsidy of \$38,276 from the Health Services Reserve Fund.

### ALTHOUSE COLLEGE OF EDUCATION

As this College operates on a somewhat different basis to the University itself, with by far the greatest source of revenue being grants from the Ontario Department of Education, the revenue and expense are not integrated with that of the University, but are shown in a separate statement. In 1968-69, the College continued to increase its enrolment, and ended the year as planned with an excess of expense over revenue of \$372,867. This was financed from the net income carried forward from previous years.



CAPITAL FUNDS

Expansion of the physical plant continued in 1968-69 with ten projects under construction. Expenditures on capital assets in the year totalled \$18,833,890 of which \$10,365,249 related to the Glenmore Residence Complex. The sources of funds for the \$18,833,890 of capital expenditures were as follows:

Ontario Universities' Capital Aid Corporation	\$ 6,813,291	36.2%
Ontario Student Housing Corporation	8,691,900	46.1
Current operating funds	1,989,032	10.6
Research funds	364,989	1.9
The University's own capital funds	246,684	1.3
Federal Health Resources funds	747,994	3.9
	<hr/>	<hr/>
	\$ 18,833,890	100.0%

A summary of the capital program follows:

<u>New Facilities occupied in 1968-69</u>	<u>Estimated Final Cost</u>
Faculty of Dentistry	\$ 8,430,000
Addition to the Richard Ivey School of Business Administration Building	2,059,000
Addition to the Josephine Niblett Faculty of Law Building	1,194,706
Glenmore Residences and Apartments	10,483,535
Radio Physics Laboratory (near Delaware)	40,050
<u>Under construction at 30 June 1969 and scheduled for completion in 1969-70</u>	<u>Authorized cost</u>
The D.B. Weldon Library	\$ 7,220,000
Observatory (near Elginfield)	886,612
Addition to the Heating Plant	1,035,000
Staging Building	1,085,290
Addition to the A.E. Silverwood Faculty of Music Building	40,000
<u>Scheduled for construction beginning in 1969-70</u>	<u>Estimated cost</u>
Addition to the Alexander Charles Spencer Faculty of Engineering Building	\$ 5,030,000
Social Sciences Building (planning only)	7,000,000
Expansion of the Faculty of Music (planning only)	2,000,000



Average Expenditure per Full-time Student

The following table relates the total expenditure for operating purposes to the number of full-time students in the Constituent University:

	<u>Average expenditure per full-time student</u>		<u>Total</u> *
	<u>Excluding Research</u>	<u>Research only</u>	
1968-69	\$ 3,145	\$ 684	\$ 3,829
1967-68	2,955	721	3,676
1966-67	2,350	577	2,927
1965-66	1,940	547	2,487
1964-65	1,732	426	2,158

\* Total Constituent University educational and general expenditures.

CONCLUSION

We wish to acknowledge the co-operation of the President, the Vice-Presidents, the Deans of all the Faculties and Schools, and the Heads and Directors of all non-academic entities. This has been of great assistance in maintaining the balance between the receipt of funds from many sources and the steadily mounting expenditures.

In addition, I wish to express my personal appreciation to all the members of the staff of the Office of the Comptroller for their conscientious and devoted service without which it would have been impossible to carry out the many and varied activities of this Department.



STATEMENT OF OPERATING REVENUE AND EXPENSE  
FOR THE YEAR ENDED 30th JUNE 1969

(with comparative amounts for the year 1968)

<u>REVENUE:</u>	1968-69		1967-68	
	<u>Amount</u>	<u>%</u>	<u>Amount</u>	<u>%</u>
Student Academic Fees	\$ 5,260,331	15.33	\$ 4,288,092	15.87
Gifts for General and Specific Operating Purposes	143,898	.42	116,913	.43
Receipts from services to outside organizations	1,552,498	4.52	979,254	3.62
Miscellaneous	76,622	.22	72,988	.27
Investments & General Endowment	<u>659,247</u>	<u>1.92</u>	<u>526,472</u>	<u>1.95</u>
	<u>\$ 7,692,596</u>	<u>22.41</u>	<u>\$ 5,983,719</u>	<u>22.14</u>
<u>Current Government Grants</u>				
(a) General Purposes				
Provincial	19,609,379	57.13	14,959,313	55.39
Municipal, City of London	<u>78,750</u>	<u>.23</u>	<u>75,000</u>	<u>.28</u>
	<u>\$19,688,129</u>	<u>57.36</u>	<u>\$15,034,313</u>	<u>55.67</u>
(b) Specific Purposes—Provincial				
Faculty of Dentistry	650,000	1.90	300,000	1.19
School of Library & Information Science	175,000	.51	400,000	1.48
Computing Facilities	295,095	.86	--	--
Other	--	--	49,552	.10
	<u>\$ 1,120,095</u>	<u>3.27</u>	<u>\$ 749,552</u>	<u>2.77</u>
<u>Total Government Grants</u>	<u>\$20,808,224</u>	<u>60.63</u>	<u>\$15,783,865</u>	<u>58.44</u>
Sponsored or Assisted Research Funds	5,821,169	16.96	5,249,235	19.42
<u>Total Ordinary Revenue</u>	<u>\$34,321,989</u>	<u>100.00</u>	<u>\$27,016,819</u>	<u>100.00</u>



STATEMENT OF OPERATING REVENUE AND EXPENSE  
FOR THE YEAR ENDED 30th JUNE 1969

(with comparative amounts for the year 1968)

<u>EXPENSE:</u>	1968-69		1967-68	
	<u>Amount</u>	<u>%</u>	<u>Amount</u>	<u>%</u>
Instruction	\$19,320,001	59.30	\$15,771,285	58.82
Libraries	2,418,614	7.42	1,952,140	7.28
Assisted Research	<u>5,821,169</u>	<u>17.86</u>	<u>5,249,235</u>	<u>19.58</u>
	27,559,784	84.58	22,972,660	85.68
Administration	1,117,498	3.43	844,294	3.15
Alumni & Information				
Services	245,039	.75	221,746	3.15
Plant Operation & Maintenance	2,804,879	8.61	2,157,457	8.05
Undistributed Staff Benefits	333,407	1.02	228,841	.85
Miscellaneous	307,783	.95	201,935	.75
Alterations & Renovations	<u>213,758</u>	<u>.66</u>	<u>185,500</u>	<u>.69</u>
<u>Total Operating Expense</u>	<u>\$32,582,148</u>	<u>100.00</u>	<u>\$26,812,433</u>	<u>100.00</u>
Excess of Revenue over Operating Expense	1,739,841		204,386	
<u>Deduct:</u>				
Extraordinary operating expense—				
Provision for improvement of pensions of retired staff	336,032			
Capital expenditures re parking lots			<u>268,761</u>	
<u>Surplus (Deficit) for the year*</u>	<u>\$ 1,403,809</u>		<u>\$ (64,375)</u>	

\* Carried forward

Note: 1968 figures have been adjusted to conform with classifications adopted for 1969.



THE ALTHOUSE COLLEGE OF EDUCATION  
STATEMENT OF OPERATING REVENUE AND EXPENSE  
(with comparative amounts for the year 1968)

<u>REVENUE:</u>	1968-69		1967-68	
	<u>Amount</u>	<u>%</u>	<u>Amount</u>	<u>%</u>
Student Academic Fees	\$ 329,064	17.21	\$ 244,073	11.09
Income from investments	59,655	3.12	44,602	2.02
Current Government Grants				
Provincial	<u>1,524,000</u>	<u>79.67</u>	<u>1,913,000</u>	<u>86.89</u>
<u>Total Revenue</u>	<u>\$ 1,912,719</u>	<u>100.00</u>	<u>\$ 2,201,675</u>	<u>100.00</u>
<u>EXPENSE:</u>				
Instruction	\$ 1,894,676	82.90	\$ 1,566,798	82.14
Libraries	92,414	4.04	85,475	4.48
Assisted Research	<u>14,116</u>	<u>.62</u>	<u>7,407</u>	<u>.38</u>
	2,001,206	87.56	1,659,680	87.00
Administration	154,686	6.77	127,703	6.69
Plant Operation & Maintenance	122,992	5.38	114,352	5.99
Miscellaneous	<u>6,702</u>	<u>.29</u>	<u>5,809</u>	<u>.32</u>
<u>Total Expense</u>	<u>\$ 2,285,586</u>	<u>100.00</u>	<u>\$ 1,907,544</u>	<u>100.00</u>
<u>Surplus (Deficit) for the year*</u>	<u>\$ (372,867)</u>		<u>\$ 294,131</u>	

\*Carried forward

STATEMENT OF OPERATING REVENUE AND EXPENSE  
FOR THE YEAR ENDED 30th JUNE 1969  
(with comparative amounts for the year 1968)

<u>ANCILLARY ENTERPRISES</u>	<u>1968-69</u>	<u>1967-68</u>
Revenue	\$ 3,766,241	\$ 3,261,033
1 Expense	<u>3,756,333</u>	<u>3,280,217</u>
<u>Surplus (Deficit) for the year*</u>	<u>\$ 9,908</u>	<u>\$ (19,184)</u>

\*Note: Surplus carried forward of Ancillary Enterprises is restricted for their respective purposes.



## DEPARTMENT OF BUILDINGS AND GROUNDS

### Report of the Director of Physical Plant

Mr. John Shortreed

#### STAFF

During the year, the total number of employees at the Department averaged 400 per month, including 26 probationary and casual staff. The regular appointees consisted of an average per month of 14 professional and administrative personnel, 38½ clerical and drafting, 65 operative (including drivers, stores, grounds, heating plants, security and traffic officers, residence hall clerks, post office and switchboard), 67 tradesmen and 189 caretakers. Of 52 terminations up to the end of the year, 27 were regular staff and 25 probationary or casual.

#### RESERVATIONS

Applications for Special Events and other reservations for room scheduling for functions outside of the regular academic curriculum totalled over 4,800; 63% of these being for student groups.

#### TRAFFIC AND PARKING

The Traffic and Parking Committee under the co-chairmanship of Professor G.H. Reavely and Dr. E.G. Pleva, with Mr. J.F. Higgins as Secretary, met 52 times up to the end of December 1968. These meetings resulted in a report to the President recommending a series of principles as a basis for new traffic and parking Regulations.

The 1968 report was accepted in principle by the Board of Governors and the committee was discharged. As recommended, a permanent committee named the University Committee on Parking and Traffic (U.C.P.T.) was formed, with its first responsibility being to produce and implement new Parking and Traffic Regulations based on the 1968 Report. As the committee was unable to effect this prior to the end of the 1968-69 fiscal year, interim regulations were produced for the summer of 1969, with the final policies and procedures to be established for the following fall term.

#### TELEPHONES

Requirements due to expansion and increased service forced a major expansion in telephone equipment. By the end of the fiscal year, the number of telephones reached a total of 1,540 sets; 19% more than the previous year. During the same period, miscellaneous equipment increased in cost by over 44%.

#### GENERAL OPERATION

A further step in the automation of the departmental accounting operation was made with the introduction of a computerized inventory control system. The new system performs the functions of recording transactions, computing costs of each issue, and billing to respective account numbers. The system maintains records of materials on hand and on order, advises on re-order, and with statistical data on activity allows the establishment of correct stock levels.



The development of this system including a permanent stores catalogue, listing 3,000 items, has been carried out in consultation with the Comptroller's Office, in such a manner that the computerization of inventories in other University Departments would be compatible.

The facilities and information which the system will provide will allow both improved economics in purchasing and more efficient use of stores space.

A new central message and dispatch centre handled an average of 40 maintenance calls per day. This service is facilitated by a trade's vehicle in continuous radio contact with the dispatcher.

The extent of the preventive maintenance program is indicated by the required service to 53 elevators and dumb waiters, 6,500 electrical motors and 3,000 air handling units.

In addition to maintenance, some 1,200 projects were carried out for other departments within the University. Not including capital fund work, alterations to buildings and to grounds were completed to a value of approximately \$161,000.00. Capital Fund projects totalled \$8,153,000.00 approximately.

On requests from University Departments, 650 estimates were prepared.

An increase of 10% resulted in 6,600 purchase requisitions being initiated by the department to supply stores, billable, capital and maintenance accounts.

## EQUIPMENT

Increased operations required the addition of one small van. With the new addition, the vehicles of the department totalled 22 units, consisting of 6 small vans, 9 medium trucks and vans, 4 larger trucks and 3 tractors.

## ALTERATIONS TO GROUNDS

Planning was completed and drawings prepared for construction of two new major parking lots, one with 751 spaces located on the former Springett property on the west side of Western Road opposite the D.B. Weldon Library; the other with 124 spaces, to the north and west of the Medical Sciences Building.

Several other small lots and extensions to three existing lots were also planned, to give a total of 4,988 parking spaces.

The completion date of all lots is anticipated as being by September 1969.

The splash panels on the University bridge were re-located narrowing the walk area to permit safer vehicle crossings.

Another 200 elm trees killed by Dutch Elm disease were removed.

The service road near the Medical Sciences Building to Western Road was paved. A walk was constructed from the Medical Sciences area to Western Road and a short distance north along Western Road to a point opposite the road into Glenmore Residences. Further walks were constructed along the road south of the stadium to Talbot College and up the hill north of the Services Building.



Work was commenced on a new combined football and soccer playing field, located south of the Engineering Sciences Building, with an anticipated completion date being the spring of 1970. This play area will compensate for the loss of similar space to be occupied by the Library and Social Sciences Building.

### ALTERATIONS TO BUILDINGS AND SERVICES

The University fire alarm system was further expanded. Direct connections to the City of London Fire Department were installed from Spencer Hall, Library and Information Sciences, Faculty of Law Building, School of Business Administration Building, Faculty of Music Building, and the Staging Building.

Work began on pre-wiring a staff call system throughout campus buildings. When completed, a series of signal lights coded for various trades and other personnel of the department will provide a ready communications link to the central dispatch centre in the Services Building during office hours, and to the Central Heating Plant at other times.

Emergency telephones were installed in all elevators on campus connected directly to the dispatch centre. A switching arrangement transfers calls to the Heating Plant after normal office hours.

The Senate requirements for emergency space for 1969-70 were studied, tendered and construction commenced. These were effected as follows:- Alumni Hall (Information Services and University Publications), Thames Hall (Awards, Reservations, Traffic and Security and Keys), Somerville House (Student Offices), School of Business Administration, University College (Dean's Offices, Department of English), Faculty of Nursing, Dental Sciences, Talbot College (Department of Fine Art), Faculty of Music (portable buildings). A portion of the construction in the lower areas of the Dental Sciences will ultimately form part of the Student Centre in the Medical Sciences complex.

The capacity of the storm sewer system for the main campus was increased by the installation of a new trunk line from the Weldon Library to the river. This line will provide further capacity for the Faculty of Law and Engineering Sciences Building. Eventually the Springett Parking Lot drain will be connected to it.

### NEW CONSTRUCTION

The attached chart indicates the progress made in the Capital Funds Program. During 1968-69 fiscal year, the total expenditures on the program totalled \$8,153,000.00.

#### Observatory

The Observatory Service Building was finished in the spring of 1969, but will not be used extensively until the telescope is fully operational.

The Observatory Building was near completion at the end of June. At this time, the 48" reflector telescope was undergoing tests by the manufacturer, preparatory to anticipated shipment in August. It was expected that the Observatory would be in full use by the fall.



Dental Sciences

The building was initially occupied during the summer of 1968, and was essentially ready for classes in the fall term. Official acceptance was received in October although the furnishings were not entirely installed until the following February.

Business School Addition

The main contract was completed in March 1969, however, a secondary contract was not finalized at the end of the fiscal year. Furnishings were well in progress by the end of the year.

Occupancy was attained on a very gradual basis as rooms were completed and furnished. An excess of 95% of the building was obtained by June 30.

Glenmore Residences

The fiscal year 1968-69 brought about the completion of the construction of the entire Student Housing Complex off Windermere Road. In June, the University took over 1,204 beds in Maitland and Saugeen Halls (Women's and Men's Single Student Building). Approximately 300 beds in Saugeen Hall were rented for the summer school term.

Bayfield Hall (one bedroom married student apartments) was completed and was also taken over by the University in June. Occupancy of some of the 300 apartments occurred in this month.

Construction on Beaver and Ausable Halls (two bedroom married student apartments) continued in preparation for occupancy of 99 units during the summer of 1969.

Faculty of Law Addition

The building was initially occupied in the fall of 1968 and construction effectively completed in January 1969.

D.B. Weldon Library

Construction continued on the D.B. Weldon Library Building throughout the year, with all of the foundation work completed by the end of June 1969. The pedestrian tunnel from Somerville House was approximately 60% completed by this time.

Heating Plant Addition

The new boiler was installed in March 1969, but had not received final testing by the end of the fiscal year, although the building itself was basically finished. Full performance tests would be delayed until suitable cold weather prevails in the fall.

Engineering Science Addition

Final plans suitable for tender call were ready in March 1969. A decision was made to allocate almost 50% of the new construction to the Faculty of Science.



By the end of June, the revised drawings were almost finalized preparatory to a tender call in mid summer.

The addition which will be connected to the south side of the present building, will consist of four floors and a penthouse with a gross area of 140,000 sq. ft.

The focal point of the building will be a conference centre type of lecture theatre with 216 seats. The main feature of this area is its versatility to accommodate students, day or evening lectures and special business conferences. The conference centre and a new library are located in the link connecting to the present building.

The remainder of the building consists of two wings, one generally housing Engineering Science and the other housing the three mathematical departments - Applied Mathematics, Computer Science and Pure Mathematics.

A main feature in the construction is the installation of a series of service shafts on a grid system which will allow extreme flexibility in the event of any necessary re-allocation of laboratory space.

A special laboratory is included in the structural engineering section, where an independent test bed will be built for the testing of large concrete and steel structures.

Occupancy and full use of the structure is anticipated for the fall term of 1971.

#### 1383-89 Western Road

The structure combining these two houses into one unit was completed in the fall of 1968, and occupied by the Department of Astronomy. During the same period, major renovations were made in 1383 Western Road to suit the new requirements of the overall structure and its utilization.

#### Staging Building - Collip Building

Plans and specifications were completed and approved and tenders called in August 1968 for the construction of the Staging Building.

Partial occupancy by Computer Science was attained in May 1969. The building was not sufficiently completed to allow the other scheduled departments to re-locate before the end of the fiscal year, although full occupancy is expected prior to the commencement of the fall term.

As part of the provision of temporary accommodation, alterations were made on the Collip Building which provided special facilities for the Department of Psychology formerly located at 1383 Western Road.

#### Delaware Observatory

Plans and specifications were prepared by the staff of the Department of Buildings and Grounds and tenders called for the construction of a building to be used as a Radio Observatory by the Department of Physics.



The building which is located in Delaware Township was commenced in September 1968 and completed in December 1968.

The structure is a wood frame building with a veneer block exterior, consisting of one floor and a basement. Its primary function is to house equipment for receiving signals from space, (e.g. from satellites, the sun, etc.) through antennae situated in the immediate area.

All of the special equipment was purchased and installed by the Department of Physics which occupied the building in March 1969.

## FUTURE PLANNING

### Faculty of Nursing

The planning of the expansion to the Nursing and the Science Complex was re-considered as a portion of a larger complex which may also include space for Medical Sciences, as well as other science facilities.

It is anticipated that the proposed structure would be located east of the Dental Sciences Building and north of the Kresge School of Nursing and the Natural Sciences Buildings, and would include some additional administrative area and laboratories for Health Sciences.

### Faculty of Music Building

Preliminary planning was started in January of 1969 for the construction on the main campus of a new building for the Faculty of Music. It is planned that the structure will be located south and west of, and connected to, Talbot College. The original intention is to provide 26,000 assignable sq. ft. of space. The construction would enable considerable expansion in all of the present facilities for the Faculty of Music, including offices, teaching space, practice rooms, etc.

It is hoped that approval will be obtained and tenders called in 1970.

### Social Science and Community Centre

An area of land between Western Road and Oxford Drive was assigned to be retained for later detailed development. It is anticipated that the Social Science complex and the possible Student Community Centre may be located in this area, north of the D.B. Weldon Library.



CONTINUED = CAPITAL PROGRAM

THE DEPARTMENT OF BUILDINGS & GROUNDS PROGRESS REPORT FOR 1968-1969

P R O J E C T	APPROPRIATIONS IN MILLIONS OF DOLLARS		A PRELIM DISCUSSION	B PRELIM PLANS	C DETAIL WORKING DRAWINGS	D CONSTRUCTN	E FURNISHINGS
	CAPITAL PROGRAM	ESTABLISHED APPROPRIATION					
15 GRADUATE COLLEGE	3.300						
16 WOMENS P.H.R.E. BLDG	2.600						
17 OBSERVATORY	500						
18 GLENMORE RESIDENCES	2.500	1.941 part of 10.500		BY OTHERS			
19 BUSINESS SCHOOL ADDN	2.100	2.059					
20 ENGINEERING AND MATHEMATICS ADD'N	5.040						
21 UNIVERSITY COLLEGE ADD'N	.042	.883					
22 LAWSON LIBRARY ALT'N	.450						
23 ELECTRICAL SERVICES	.275	.310					
24 RECREATION FACILITIES	.125						
25 DENTAL BLDG	8.430	8.430					
26 STEVENSON HALL ADD'N	.794	.794					
27 LAW SCHOOL ADD'N	1.125	1.194					
28 NEW MAIN LIBRARY	7.700	7.220					
29 HEATING PLANT ADD'N AND DISTRIBUTION *	.995	1.035					
30 LIBRARY SCIENCE (Temp)	.325	.325					
31 BIO-ENGINEERING (Temp)	.252	.252					
32 STAGING BLDG	1.200	1.080					
33 RADIO OBSERVATORY	.030	.040					
34 SCHOOL OF NURSING ADD'N	1.300						
35 1383-89 WESTERN RD ADD'N	.025	.025					
36 PORTABLE CLASSROOMS	.025	.025					
37 MUSIC PRACTISE ROOMS	.030	.030					
38 MUSIC ADD'N TO TALBOT COLLEGE							
39 SOCIAL SCIENCES BLDG							
40 UNIVERSITY COMMUNITY CENTRE							

PREVIOUS YEARS 1962-63 1963-64 1964-65 1965-66 1966-67 1967-68 1968-69

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

\* \$ 360,000 of \$1,035,000 provided by LONDON HEALTH ASSOCIATION



# ALUMNI ASSOCIATION

## Report of the President

Mr. J. G. McLarty

It has been my pleasure and privilege as President of some 27,000 Alumni to be a part of an exciting and productive year for the Alumni Association. 1968-69 marked the fruition of some of the plans conceived years earlier. Other, traditional, Alumni-sponsored activities were successfully continued. The year also marked the initiation of some new plans for Alumni involvement at Western, the fruits of which must be measured in later presidencies.

The year began with a most successful "Live-In", more formally called the First Annual Spring Conference of Alumni Club Delegates. This meeting, the first of its kind for Western Alumni, was the culmination of a year of intensive planning by the Executive Council. The idea was originally proposed in 1964 by a group of concerned Alumni charged with the responsibility of searching out new ideas and formulating long-range proposals for the advancement of our Association. The overwhelming success of this initial venture dictated that it become an annual affair, and that its long-range goal would be to effect a Spring Homecoming for graduates, conducted along intellectual lines. The intent would not be, in any way, to supplant Fall Homecoming, but rather to supplement it.

Continuing its successful pattern of the last eight years, Spring Festival Incorporated again presented a tremendously successful series of concerts for the appreciation of all members of the University and surrounding community. This Alumni Committee again demonstrated its great initiative and skill in bringing top-quality artists to the campus. Each year's successes seem always to surpass the one before.

The Alumni Art Collection grew in numbers and value to the point where it has now gained recognition in many galleries of this country. Again we are proud of the expertise being continually demonstrated by the Alumni Council's Art Committee. Five contemporary works were acquired during the year, as follows:

<u>Purchased</u>	<u>Artist</u>	<u>Name and Size of Work</u>	<u>Type</u>
1.10.68	Jules Olitski	Side Thrust (101 x 42)	Acrylic on Canvas
30.10.68	Clark McDougall	Dan Patterson's Kitchen (44 x 39)	Oil and Enamel
2.1.69	David Samila	Love Tormentine (48¼ x 72¼)	Acrylic on Board
15.2.69	Yves Gaucher	Diptych (80 x 40 - 2 panels)	Acrylic on canvas
15.3.69	Claude Breeze	Island No.7: Electric Arrow (48 x 29½ x 3½)	Acrylic on canvas



These five were added to the eight works assembled since 1967 to form the Alumni Collection. Our prior acquisitions were made as follows:

<u>Purchased</u>	<u>Artist</u>	<u>Name and Size of Work</u>	<u>Type</u>
31.3.67	Gerald Trottier	A Tribute to Rivers at Western (81½ x 73½)	Acrylic & Collage
18.4.67	David Partridge	Mirage No. 2 (36 x 72)	Nail Sculpture
18.4.67	John Fox	St. Sulpice (30 x 36½)	Oil on Canvas
18.4.67	Jean McEwen	Colonne Sans Fin (50 x 72)	Oil on Canvas
18.1.67	Tony Urquhart	Calm (56 x 50)	Oil on Canvas
5.5.67	Jack Chambers	Middle I (48 x 96)	Oil on Wood
4.1.68	Brian Fisher	Gemini (84 x 48)	Acrylic on Canvas
21.3.68	Edward J. Hughes	Museum Ship, Penticton, B.C. (25 x 30)	Oil on Canvas

Early in the year the Executive Council adopted as its first priority a program of Alumni Club encouragement. The Executive Council firmly felt that strong and vigorous Alumni Clubs in every major city or municipality across Canada would be of tremendous value to the University. During the weekend of Oct. 4-7, 1968, I was pleased to accompany Dr. Williams and Ward Cornell on a trip to visit our Alumni Clubs in Winnipeg, Vancouver, Calgary and Edmonton. The enthusiasm and warmth exhibited by our Alumni in these cities confirmed our belief that there is a crying need for our Alumni to receive continuing and regular visits from officials of our University, to help our distant Alumni maintain their feeling of loyalty to this institution. Only then will they support Western, in the manner becoming it.

Continuing the same program, we visited with many other Alumni Clubs during the year, attempting to encourage those which are most active, revitalize the faltering ones and to develop new clubs in areas where none existed before. The Executive Council initiated a somewhat new approach in an attempt to develop a greater feeling of partnership with individual Alumni Clubs. On several occasions individual Club Presidents were invited to join with us at regular Executive meetings. During these meetings much of the agenda was devoted to Alumni Club problems, and the frank discussions between the Alumni Club President and Executive Council members were most helpful in pointing the direction for future action. In fact this program has assisted in opening new doors of communication with Alumni in these areas. Because of its initial success this procedure should be continued and indeed expanded in the future.



A new type of Alumni Club activity, conceived at our first annual "Live-In" is showing encouraging signs of pregnancy. This is the Alumni College concept which has been extensively planned during the last several months by our Toronto Club. An outstanding series of lectures by renowned speakers on contemporary subjects will be offered during the fall and winter months to Alumni residing in the Toronto area. The initial response has been very enthusiastic.

In embarking on this program of Alumni Club encouragement, we fully realized at the outset that we could never accomplish what needed to be done in one year; we have merely scratched the surface of a tremendously large task. In the process, however, the entire Executive Council has committed itself to a continuing effort in Alumni Club support.

In closing, I would like to pay tribute to the permanent secretariat of our Association. To them no demand was too large and no detail too small to be willingly resolved. Without their efficient assistance under the very able direction of Mr. Campbell McDonald, none of our accomplishments would have been possible. To all of them may I extend my heartfelt gratitude.



# MUSEUM OF INDIAN ARCHEOLOGY AND PIONEER LIFE

## Report of the Curator

Dr. Wilfrid Jury

The University of Western Ontario's relationship with the site of Sainte Marie, commenced twenty-two years ago, was officially terminated in the spring of 1969. The President of the University and myself continue to serve on the Huronia Historical Development Council as advisers to the Minister of the Department of Tourism and Information.

Excavations on the site of Sainte Marie were carried on from 1948 to 1951 during which time the foundations of the structures erected in the reconstruction project of 1964 to 1966 were discovered, and the building methods and materials determined. Extensive searches for documentary information were directed to many parts of the world. Research files have been deposited with the Government of Ontario. Responsibility for the interior development of the buildings continued until April 1, 1969.

Our prime interest has been in the educational value of the site, striving throughout, toward an interpretation based on documentations of the period and scientific examination. Thousands of visitors and school children visit Ste. Marie annually and we trust that this will continue to be the object of the administration under the provincial government.

Since 1967, I have been engaged in the reconstruction of the Naval Establishment at Penetanguishene. Nineteen buildings have been erected, chiefly in the summer of 1968. They include officers' houses, seamen's barracks, a guard-house, a saw pit, a blacksmith's shop and several lesser features such as wharfs, worksheds, pathways, a garden and a public washroom.

The most impressive undertaking for 1969 has been the Naval Storehouse, a three storied building 100 by 50 feet in size. Pine timbers, many of them fifty feet in length were procured and the framed structure erected largely by mortise and tenons.

As at Sainte Marie, the buildings are being erected on original foundations discovered during the archeological investigations. For the Penetanguishene project however, there is considerable documentation and the research files at present contain some 825 manuscripts, 82 maps, 200 xeroxed items of printed works chiefly contemporary, and a picture file of some 200 pieces. Originals of the maps and manuscripts are in the Public Record Office, London, England and the Public Archives of Canada.

The Penetanguishene site is one of varied interest, embracing the Navy, the Army, explorers, surveyors, ships and vessels, and Indians. In larger terms, it encompasses the Napoleonic Wars, the War of 1812, Canadian-American relations, and International Boundary settlements. It is a site that will be of particular interest to researchers of the Upper Great Lakes area and to educationalists interested in the teaching of historical methods.



The Huron Indian Village remains the major attraction in the vicinity, and is taxed beyond its capacity during the months of May and June when 15,000 school children were given guided tours by the four Western students especially trained in the culture of the Huron Indians. The Indian Village is under my supervision, although operated by the Y.M.C.A. Men's Club of Midland.

Encouraging reports have come from the Fanshawe Pioneer Village near London which now houses the Pioneer Collection, formerly at the University of Western Ontario. Teachers of the area have been engaged throughout the summer in studying buildings and objects in preparation for out-of-class curriculum activity in September.

Within the University, the Indian artifacts, the gun collection, and the model Pioneer and Indian displays create a keen interest in many students. There is hardly a day during the winter term that some student does not come to my office to seek further information concerning them.

It is regrettable that the Model Indian Village is practically unavailable, and it is necessary to discourage visits from the London district schools and clubs.

I continue my efforts to add to the gun collection which now has a very high monetary value. The number of Soper guns, made in London, and internationally known, is now the largest known to be in any collection in North America.



## JOINT McINTOSH COMMITTEE

### Report of the Secretary

Mr. B. E. Smith

Mr. James Boyd completed the second year of his two-year appointment as Resident Artist on 30 June 1969 by which time arrangements had been completed for him to be succeeded by Mr. Gino Lorcini, a distinguished teacher and creator of fine art in the field of sculpture.

By unanimous resolution of the Committee, an expression of thanks was sent to Mr. Boyd in recognition of his outstanding contribution to the advancement of Art and Culture on campus and the excellent rapport which he had established with students during discussions, sketch classes, illustrations of print-making, etc.

On leaving Western Mr. Boyd took up an important commission with the Canadian Government for the creation of an artistic and symbolically Canadian entrance to the Canadian Pavilion at Expo '70 in Japan. It is understood that Mr. Boyd was selected for this task from a very large number of highly reputable artists.

During the year under report the Resident Artist arranged an interesting schedule of exhibitions including:

Urquhart	(Sculpture, Paintings retrospective)
Noland and Stella	(Paintings)
Burton	(Paintings, retrospective)
Postian Collection	(Oriental Rugs)
Redinger	(Sculpture three piece Mural)
Holmes	(Paintings)
Raynor	(Drawings)
Smith	(Sculpture)
Ariss	("Somme Series" 3 dimensional paintings)
Ondaatje	(Paintings - "House on Piccadilly Street")

Paintings and objects of art belonging to the McIntosh collection were also displayed on a rotational bases.

The Resident Artist conducted sketch classes (with nude models) for the students, as well as life drawings and print-making classes for the Extension Department in the evenings. For the first time regular students taking programs in the recently formed Department of Fine Arts were exposed, by actual participation, to the artistry and wonders of print-making. An "open-door" policy was maintained at the Gallery and many talks on current exhibits were given to visiting student groups and others. Mr. Boyd was generous in the amount of time which he devoted to answering questions from casual visitors.

The Resident Artist gave valuable advice to the Alumni Association and the University Art Committee in their selection of acquisitions.



In the year 1968-69 the Joint McIntosh Committee approved the following allocations of funds under the terms of the Will:

- |     |  |                |
|-----|--|----------------|
| (a) | for prizes in Business Administration        | \$ 750.00;     |
| (b) | for public speaking                          | \$ 784.49;     |
| (c) | for geography                                | \$ 750.00;     |
| (d) | for the promotion of Music                   | \$ 896.06;     |
| (e) | for the purchase and maintenance of pictures | \$ 742.18; and |
| (f) | for the maintenance of the building          | \$2,600.00.    |

The Resident Artist spent a great deal of time progressing the inventory of objects of art, and describing the condition of damaged items where restoring and repairs seemed to be required.

Many valuable acquisitions were obtained for the University collections as follows:

Alumni Association

Olitski	Side Trust (42 x 101)
McDougall	Dan Patterson's Kitchen (39 x 44)
Samila	Love Tormentine (48¼ x 72¼)
Gaucher	Diptych (80 x 40 - 2 panels)
Breeze	Island No. 7: Electric Arrow (48 x 29½ x 3½)
Osowetok	Woman and Child (Sculpture)

University Art Committee

Redinger	3 piece Mural in Plexiglass (8' x 8' - 3 panels)
Bush	3 Paintings

The purchases referred to above by the Alumni Association entitled the Gallery to receive a grant from the Board of Governors of \$1,000 towards the purchase of additional pictures.



## PRESIDENT'S MEDALS

### Report of the Committee Chairman

Professor R. G. N. Bates

The President's Medals have been awarded since 1951 to complement the Governor General's awards for literature by giving recognition to periodical publication. They are awarded to the best works submitted in four categories: poem, short story, scholarly article, general article. To be eligible a work must be by a citizen or resident of Canada and must have been published in Canada in the preceding calendar year. The entries are judged by special committees drawn from the faculty of the University. A cash award of \$100.00 accompanies each medal, an innovation instituted in 1967.

The 1969 winners are:

Single poem:

Joan Finnegan, "Death of a Psychiatrist,"  
in Prism International.  
(Judges: L. Forsyth, R.G.N. Bates)

Short story:

John Metcalf, "The Estuary," in West Coast Review.  
(Judges: L.A. Garber, C.L. Murison, J.A. Somerset)

Scholarly article:

Andrew Brink, "Sylvia Plath and the Art of Redemption," in Alphabet.  
(Judges: A.K. Heatt, J.G. Rowe)

General article:

Sylvia Fraser, "The Thousand-Year Week," in The Toronto Star.  
(Judges: C.E. Sanborn, J.L. Wild)

This year an Awards Dinner, which was attended by Sylvia Fraser and Joan Finnegan, was given by the President at the University on 30 October 1969.



# THE WESTERN ONTARIO SECONDARY SCHOOLS' ASSOCIATION

## Report of the Secretary

Mr. Harvey A. Stewart

W.O.S.S.A. was the first organization of its kind in Ontario, and in Canada, and today it is one of 15 similar organizations, all federated to form O.F.S.A.A. (Ontario Federation of School Athletic Associations), with headquarters at 559 Jarvis Street, Toronto 5.

All Associations have the purpose of co-ordinating athletic activities, especially at the playoff level. A U.W.O. student of the 1930's is the capable secretary-treasurer of O.F.S.A.A.

W.O.S.S.A. presently serves 56 secondary schools, with a total enrolment nearing 46,000. There are 5 Conferences, as listed below:

Huron-Perth	with	11	schools
Lambton-Middlesex	"	4	"
London and District	"	20	"
Sarnia	"	7	"
Tri-County	"	14	"

The W.O.S.S.A. Board of Directors comprises 17 members (coaches, principals) drawn from the five Conferences, plus the Secretary-Treasurer. It meets three times a year. There is also an Annual Meeting of the Association, about mid-June, to which each member school may send two delegates.

Schools range in enrolment, from as low as about 100 (Regina Mundi College) to approximately 2450 (H.B. Beal Secondary School).

Schools are classified on basis of numbers enrolled - - "AA" at 751+, "A" at 750 and under. Smaller schools can compete amongst themselves for W.O.S.S.A. "A" championships, while larger schools aim for "AA" championships.

In most activities, association champions advance to all-Ontario playoffs. This year saw tennis become a province-wide competitive activity, and W.O.S.S.A. fared exceptionally well.

As a school sporting activity, golf has grown very rapidly. The recent all-Ontario high school tournament at the London Hunt Club had over 130 secondary school golfers from all parts of Ontario. A W.O.S.S.A. foursome, A. B. Lucas S.S. of London, won the team title, and low gross went to a London Oakridge golfer. Approximately 13,000 students competed in inter-school activities, spread over 15 forms of athletic endeavour.

The W.O.S.S.A. executive and directors, plus all school coaches and administrative personnel, are happy with the amicable relationship that exists with The University of Western Ontario, which continues to co-operate with, and give some assistance to W.O.S.S.A.



The officers for 1969-1970 are as follows:

- |                            |  |
|----------------------------|--|
| <u>Past President</u>      | - Tommy White, St. Joseph's H. S., St. Thomas      |
| <u>President</u>           | - Archie I. Fletcher, Principal, D.H.S., Mitchell. |
| <u>Vice-President</u>      | - Don Hunter, St. Clair S. S., Sarnia.             |
| <u>Secretary-Treasurer</u> | - Harvey A. Stewart, 510 Princess Avenue, London.  |



APPENDIX A  
STAFF CHANGES



**APPENDIX A**  
**STAFF CHANGES**  
**UNIVERSITY COLLEGE**

Appointments (July 1, 1968, unless otherwise stated)

Department of Economics

M. Andrieu	Lecturer
A.G. Blomqvist	Lecturer
J.H. Dunning	Visiting Professor
J. Fried	Lecturer
P.N. Roy	Lecturer
J.E. Tanner	Lecturer
L.S. Zudak	Lecturer

Department of English

R.S. Baker	Instructor
C.E. Bartel	Instructor
K. Benford	Instructor
B.W. Chodirker	Assistant Professor
T. Cox	Assistant Professor
K. Gibson	Assistant Professor
A.K. Heatt	Visiting Professor
J. Kaplan	Assistant Professor
P.G. Kirkham	Lecturer
M.A. Middleton	Instructor
V. J. Milne	Instructor
L.S. Newell	Instructor
E.A. Peyroux	Assistant Professor
R.J. Shroyer	Assistant Professor
A.M. Young	Assistant Professor

Department of French

I.A. Arnold	Lecturer
D. Baguley	Lecturer
J. Bosse	Lecturer
J.L. Cameron	Assistant Professor
C.P. Courtney	Visiting Professor
R.F. Jones	Lecturer
G.R. Renaud	Instructor

Department of Secretarial Science

S.J. Birnbaum	Instructor
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Department of Sociology

G.E. Ebanks	Assistant Professor
P.M. George	Assistant Professor
J. Geschwender	Visiting Professor
J.I. Williams	Lecturer



Promotions (July 1, 1968, unless otherwise stated)Department of Economics

R.W. Baguley	Assistant Professor
T.J. Courchene	Assistant Professor
J. Fried	Assistant Professor
C.D. Hodgins	Assistant Professor
K.R. Kadiyala	Associate Professor
J.R. Melvin	Associate Professor
L. Parai	Assistant Professor
E. Saraydar	Assistant Professor
J.E. Tanner	Assistant Professor
R.J. Wonnacott	Professor & Acting Head
L.S. Zudak	Assistant Professor

Department of English

M. Bell	Lecturer
T.J. Collins	Associate Professor
L. Garber	Assistant Professor
C. Margolis	Lecturer
R.M. Stingle	Associate Professor
T.E. Tausky	Assistant Professor

Department of French

D.E. Westgate	Assistant Professor
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Department of Physical & Health Education

J. Taylor	Assistant Professor
R.C. Watson	Assistant Professor

Department of Sociology

J.D. Allingham	Associate Professor
G.E. Ebanks	Assistant Professor
G.K. Jarvis	Assistant Professor
C.E. Nobbe	Assistant Professor
J.I. Williams	Assistant Professor

Resignations (June 30, 1969, unless otherwise stated)Department of Economics

T.J. Finn	Associate Professor
F. Roseman	Assistant Professor

Department of English

V.M. Hoar	Associate Professor
N.C. Hultin	Assistant Professor
L.J. Morrissey	Assistant Professor



Department of French

N.A. Bennetton	Professor
R.W. Torrens	Professor and Head
M. Wonnacott	Instructor

Department of Secretarial Science

S.J. Birnbaum	Instructor
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Department of Sociology

J. D. Allingham	Associate Professor
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Leaves of Absence (July 1, 1968 to June 30, 1969, unless otherwise stated)Department of Economics

T.J. Courchene	Associate Professor
G.L. Reuber	Professor and Head
F. Roseman	Assistant Professor

Department of English

A.C. Bolgan	Associate Professor
G. Rans	Associate Professor
J.C. Reaney	Professor

Returning from Leaves of Absence (July 1, 1968, unless otherwise stated)Department of English

A.B. Conron	Professor
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**MIDDLESEX COLLEGE**Appointments (July 1, 1968, unless otherwise stated)Department of Psychology

F.D. Colman	Assistant Professor
Gloria Mulcahy	Assistant Professor
J.T. Partington	Assistant Professor
R. Stretch	Associate Professor
C.H. Vanderwolf	Associate Professor

Department of Spanish & Italian

B.W. Munn	Lecturer
Margarita Yuste	Instructor

Promotions (July 1, 1968, unless otherwise stated)Department of Psychology

J.P. Denny	Associate Professor
G.J. Mogenson	Full Professor



Resignations (June 30, 1969, unless otherwise stated)Department of Psychology

J. Havelka	Associate Professor
R.M. Knights	Associate Professor
A.A. Monjan	Assistant Professor

Leaves of Absence (July 1, 1968 to June 30, 1969, unless otherwise stated)Department of Geography

Dr. E.M. Bjorkland  
 Professor R.W. Packer  
 Dr. A.K. Philbrick

Department of Psychology

R.C. Gardner	Associate Professor
M. Rieber	Associate Professor

**FACULTY OF SCIENCE**

## Appointments (July 1, 1968, unless otherwise stated)

## Department of Applied Mathematics

J.B. Ehrman	Professor
P.W. Norey	Assistant Professor
P.J. Sullivan	Assistant Professor

Department of Botany

A.W. Day	Assistant Professor
P.R. Weese	Instructor

Department of Chemistry

N.C. Baird	Assistant Professor
P. Guthrie	Assistant Professor

Department of Computer Science

K. Dewdney	Lecturer
I. Gargantini	Assistant Professor

Department of Geology

N.D. MacRae	Assistant Professor
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Department of Geophysics

H.H. Schloessin	Assistant Professor
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Department of Mathematics

R. Biggs	Assistant Professor
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Department of Physics

P.K. John	Assistant Professor
R.P. Lowe	Assistant Professor



Department of Zoology

R.W. Dunbar  
C. La Dochy

Associate Professor  
Sessional Lecturer

Promotions (July 1, 1968, unless otherwise stated)Department of Botany

A.M. Wellman

Associate Professor

Department of Chemistry

W.J. Meath

Associate Professor

Department of Computer Science

B. Arnett  
R. Newkirk

Lecturer  
Lecturer

Department of Geology

W.R. Church  
A.D. Edgar  
A.C. Lenz

Associate Professor  
Associate Professor  
Associate Professor

Department of Physics

H.I.S. Ferguson  
H.R. Froelich  
R.C. Murty

Professor  
Associate Professor  
Associate Professor

Department of Zoology

C.D. MacInnes  
R.K. Misra  
J. Purko

Associate Professor  
Associate Professor  
Associate Professor

Resignations (June 30, 1969, unless otherwise stated)Department of Applied Mathematics

D.R. Miller

Department of Applied Mathematics and Geophysics

D.E. Smylie

Department of Chemistry

T.C.W. Mak

Department of Zoology

A.W.A. Brown  
D.G. Davis



Retirement (June 30, 1969)Department of Geology

G.H. Reavely

Transferfrom Department of Physics to  
Department of Astronomy

R. Mitalas

Leaves of Absence (July 1, 1968 to June 30, 1969, unless otherwise stated)Department of Applied Mathematics

S.C.R. Dennis

Department of Mathematics

M.M. Ali

Department of Zoology

W.N. Holsworth

**TALBOT COLLEGE**Appointments (July 1, 1968, unless otherwise stated)Department of Classics

D.P. Stanley-Porter

Lecturer

Department of Fine Art

R. Fenwick

Lecturer

W.S. Hart

Associate Professor

Department of German

R.H. Samuel

Visiting Professor

Department of History

D. Avery

Lecturer

G. Emery

Lecturer

K. Metzger

Assistant Professor

Department of Philosophy

H.N. Castaneda

Visiting Professor

R. Clark

Visiting Professor

P.L. Friedman

Assistant Professor

J.J. Leach

Associate Professor

T.M. Lennon

Assistant Professor

R.G. Muehlmann

Assistant Professor

G.S. Pappas

Assistant Professor

C.D. Rollins

Visiting Professor



Department of Political Science

H.S. Albinski	Visiting Professor
M.J. Hrabik	Lecturer
P. Leach	Instructor (p.t.)
G.P. Murray	Lecturer
W.T. Salisbury	Lecturer

Promotions (July 1, 1968, unless otherwise stated)Department of Classics

A.R. Littlewood	Assistant Professor
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Department of History

F.H. Armstrong	Associate Professor
R.L. Emerson	Associate Professor
T.N. Guinsburg	Assistant Professor
D. S. Hoffman	Assistant Professor
A.M.J. Hyatt	Associate Professor
A. Levin	Assistant Professor

Department of Philosophy

R.W. Binkley	Professor
R.N. Bronaugh	Associate Professor

Department of Political Science

P. Althoff	Assistant Professor
W.F. Dawson	Chairman
C.C. Dunlop	Associate Professor
H.K. Khanh	Assistant Professor

Department of Russian Studies

N. Bernotas	Lecturer
K.D. McFadden	Lecturer

Resignations (June 30, 1969, unless otherwise stated)Department of Classics

D.E. Hill	Assistant Professor
J.D. Ralph	Professor (p.t.)
A.E. Raymond	Department Head

Department of History

A. Leven	Assistant Professor
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Department of Philosophy

G.S. Pappas	Assistant Professor
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Department of Political Science

P. Althoff	Assistant Professor
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Department of Russian Studies

K.D. McFadden	Lecturer
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Leaves of Absence (July 1, 1968 to June 30, 1969, unless otherwise stated)Department of History

A.M.J. Hyatt	Associate Professor
M. Zaslow	Professor

Department of Philosophy

P. Angeles	Associate Professor
J.W. Davis	Professor

Department of Political Science

W.M. Dobell	Associate Professor
B.B. Kymlicka	Associate Professor

Department of Russian Studies

R. Piontkovsky	Lecturer
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Returning from Leaves of Absence (July 1, 1968, unless otherwise stated)Department of Political Science

S.J.R. Noel	Associate Professor
T.R. Sansom	Associate Professor

**COLLEGE OF MUSIC**Appointments (July 1, 1968, unless otherwise stated)

L. Cortner	Instructor
C. Dalkert	Lecturer
A. Giron	Assistant Professor
A. Rosnor	Instructor

P. Bendzsa	Instructor P.T.
P. Giron	Instructor P.T.
L. Munn	Instructor P.T.
C. Ross	Instructor P.T.

Promotions (July 1, 1968, unless otherwise stated)

P.J. Clements	Assistant Professor
J.P. Green	Associate Professor

Resignation (June 30, 1969)

Arnold Rosner	Instructor
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Leave of Absence (July 1, 1968 to June 30, 1969)

J.S. McIntosh

Assistant Professor

**FACULTY OF MEDICINE**Appointments (July 1, 1968, unless otherwise stated)Department of Anaesthesia

J.A. Gerry

Instructor

Patricia F. Kandel

Instructor

M. Keeri-Szanto

Clinical Associate Professor

G. Sellery

Clinical Lecturer

G.W. Squire

Clinical Lecturer

A.C. Webster

Clinical Associate Professor

Department of Anatomy

G.G. Altmann

Assistant Professor

E.B. Gammal

Lecturer

A. Goldberg

Instructor

D.G. Gwyn

Assistant Professor

G.A. Leyshon

Instructor

S.K. Warma

Instructor

A.S. Wilson

Associate Professor

Department of Bacteriology and Immunology

C.F. Robinow

Acting Head

G.H. Strejan

Assistant Professor

P.O. Wilkins

Assistant Professor

Department of Biochemistry

P.D. Lawley

Associate Professor

Department of Biophysics

D.R. Miller

Honorary Lecturer

Department of Cancer Research

D.R. Miller

Associate Professor

Department of Community Medicine

C.G. Rand

Associate Professor

O.J. Stewart

Clinical Lecturer

J.M. Wanklin

Associate Professor

Department of Family Medicine

R.K. Annett

Instructor

S.J. Burns

Instructor

F.J. Butson

Instructor

J.E. Collyer

Instructor

D. Elliott

Instructor

W.G. Ellyatt

Instructor



Department of Family Medicine

H.G. Fletcher	Honorary Lecturer
R.B. Gambrill	Instructor
K.E. Gay	Instructor
R.H. Gillick	Instructor
K.A. Johnston	Instructor
H. Keidan	Instructor
P. Marchuk	Instructor
D. McCue	Instructor
J.S. McKim	Clinical Assistant
J.O. Merritt	Instructor
L. Naftolin	Instructor
J.W. Oosterhuis	Instructor
J.W. Orchard	Instructor
J.F. Patten	Instructor
P.W. Pennington	Instructor
H.C. Robinson	Instructor
K.J. Southwood	Instructor
P. Stein	Instructor
J. Theoret	Instructor
R.C. Wilson	Instructor

Department of Medical History

G.R. Pendrill	Assistant Professor
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Department of Medicine

D.T. Armstrong	Associate Professor
G.C. Chertkow	Clinical Assistant
O. Clarke	Associate Professor
E.S. Hagerman	Instructor
R.K. Stuart	Lecturer
J.M. Thompson	Assistant to Dean
J.H. Watson	Assistant to Dean
T.E. Wood	Lecturer

Department of Ophthalmology

M.J. Hollenberg	Honorary Lecturer
C. Mailer	Instructor

Department of Otolaryngology

D.M. Smith	Clinical Lecturer
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Department of Paediatrics

M.D. Haust	Honorary Lecturer
M.D. Li	Lecturer
D.S. Rajic	Clinical Assistant Professor
M.D. Sutton	Assistant Professor

Department of Pathology

B.A. Warren	Assistant Professor
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Department of Physical Medicine and Rehabilitation

D.A. Egan Lecturer

Department of Physiology

J.E. Grace Instructor  
P.B. Stein Instructor  
C.H. Vanderwolf Associate Professor

Department of Psychiatry

W.N. Andrews Instructor  
R.C. Corrin Instructor  
E.J.L. Deinum Instructor  
R.L. Dingus Instructor  
Mrs. R.M.A. Dingus Instructor  
K. Green Instructor  
M.P. Hoover Instructor  
Diana M.M. Johnson Instructor  
C.A. Lapp Instructor  
E.J. Love Lecturer  
F.A. McKenzie Instructor  
R.B. Palmer Instructor  
W.G. Tobin Instructor

Department of Radiology - Therapeutic

R.M. Sutherland Lecturer (p.t.)

Department of Surgery

J.P. Girvin Assistant Professor (Physiology)

Promotions (July 1, 1968, unless otherwise stated)Department of Anaesthesia

D.H. Adamson Clinical Lecturer  
G.R. Butlin Clinical Lecturer  
J.M. Growse Honorary Lecturer  
M.L.W. Hersey Clinical Lecturer  
C.A. Stewart Honorary Lecturer

Department of Anatomy

M.J. Hollenberg Associate Professor  
F.R. Sergovich Assistant Professor  
E.L. Shaver Assistant Professor  
R.P. Singh Assistant Professor

Department of Bacteriology and Immunology

J.E. Zajic Associate Professor

Department of Biochemistry

K.K. Carroll Assistant Professor  
V. Donisch Assistant Professor (p.t.)  
B.A. Gordon Lecturer  
D.S.M. Haines Lecturer  
W.L. Magee Associate Professor



Department of Biophysics

P.B. Canham  
M.R. Roach  
R.M. Sutherland

Professor  
Associate Professor  
Assistant Professor

Department of Continuing Education

A.T. Hunter

Assistant to the Dean

Department of Community Medicine

D.M. Cramm  
A.J. Harris

Clinical Lecturer  
Clinical Lecturer

Department of Family Medicine

G.E. Pratt

Clinical Lecturer

Department of Medicine

S.P. Ahuja  
D.E. Aikenhead  
H.J. Albers  
W.K. Coulter  
A. Kertesz  
J.L. Loudon  
J.B. Robinson  
N.W. Rodger  
J.G. Ryan  
J.M. Thompson  
J.H. Watson  
D.F. White

Assistant Professor  
Clinical Assistant Professor  
Clinical Lecturer  
Clinical Assistant Professor  
Assistant Professor  
Assistant Professor  
Honorary Lecturer  
Assistant Professor  
Clinical Lecturer  
Assistant Professor  
Assistant Professor  
Clinical Assistant Professor

Department of Obstetrics and Gynaecology

E.R. Plunkett

Professor, Chairman

Department of Otolaryngology

P.G. Gettas  
G.M. Leboldus

Honorary Lecturer  
Clinical Assistant Professor

Department of Paediatrics

J.R. Dubois  
J.S. McKim  
R.R. Riese  
G.H. Valentine  
J.E. Vincent  
W.S. Whelen

Clinical Assistant Professor  
Clinical Assistant Professor  
Clinical Lecturer  
Professor  
Clinical Assistant Professor  
Clinical Lecturer

Department of Pathological Chemistry

W.B. Barton  
Y.S. Brownstone  
L.L. deVeber  
S. Prakash

Professor  
Professor  
Associate Professor  
Assistant Professor



Department of Pathology

G.M. Abdelnour  
M.D. Haust  
D.M. Mills

Clinical Assistant Professor  
Professor  
Clinical Professor

Department of Pharmacology

T.D. Lovegrove  
D.B. Meltzer

Honorary Lecturer  
Clinical Associate Professor, Honorary Lecturer

Department of Physiology

F.J. Rounthwaite

Honorary Lecturer

Department of Psychiatry

G.J. Mogenson  
H.J.A. Thurlow

Professor  
Lecturer, Assistant Professor (Community  
Medicine)

W.A. Tillman

Associate Professor

Department of Radiology - Diagnostic

E.E. Johnston  
W.W. Wilkins

Clinical Associate Professor  
Clinical Associate Professor

Department of Surgery

H.W.K. Barr  
J.C.G. Coles  
C.G. Drake  
D.W. Johnston  
J.C. Kennedy  
L.N. McAninch  
R.M. McFarlane  
J.K. Wyatt

Clinical Assistant Professor  
Clinical Professor and Chairman  
Clinical Professor and Chairman  
Clinical Professor  
Clinical Professor, Chairman  
Clinical Professor, Chairman  
Clinical Professor, Chairman  
Clinical Assistant Professor, Acting Chairman

Resignations (June 30, 1969, unless otherwise stated)Department of Anaesthesia

H.B. Keenleyside

Instructor

Department of Anatomy

J.H. Cutts  
A.R. McLean  
Maureen B. Sass

Associate Professor  
Instructor  
Assistant Professor

Department of Bacteriology and Immunology

R.B. Ziv

Lecturer

Department of Community Medicine

E.S. Pentland

Clinical Lecturer



Department of Medicine

Miss R.C. Aikin  
 H.T. McAlpine  
 C.J.F. Ross  
 J.G. Ryan

Special Lecturer in Hosp. Pro.  
 Clinical Assistant Professor (deceased)  
 Special Lecturer, Medical Jurisprudence  
 Clinical Lecturer

Department of Obstetrics and Gynaecology

S.B. Effer

Assistant Professor

Department of Pathological Chemistry

S. Prakash

Assistant Professor

Department of Pathology

V.L. Baryluk  
 J.H. Choi  
 S.I. Deneka

Instructor  
 Lecturer  
 Instructor

Department of Physiology

J.E. Grace

Instructor

RetirementDepartment of Anatomy

Dr. P.P. Hauch

Lecturer

Department of Obstetrics and Gynaecology

Dr. A.E. Mowry

Clinical Associate Professor

Leaves of Absence (July 1, 1968 to June 30, 1969, unless otherwise stated)Department of Anatomy

M.B. Sass

Assistant Professor

Department of Bacteriology and Immunology

R.G.E. Murray

Professor and Head

Department of Biochemistry

I.G. Walker

Associate Professor

Department of Community Medicine

A.V. Hall

Instructor

Department of Medicine

P.A. Rechnitzer

Clinical Assistant Professor

Department of Physiology

Mrs. E.H. Walker

Instructor



Return from Leave of Absence (July 1, 1968)Department of Biochemistry

W.C.C. McMurray

Associate Professor

**FACULTY OF NURSING**Appointments

Jean Forrest

Assistant Professor

Donna Marie Fraleigh

Instructor (p.t.)

Patricia Martin

Instructor

Margaret Moncrieff

Assistant Professor

Patricia Ridler

Instructor

Resignations

Caroline S. Dauk

Assistant Professor

Lillian Douglass

Instructor

Patricia Martin

Instructor

Leaves of Absence

Jeananne McWhirter

Lecturer

**FACULTY OF DENTISTRY**AppointmentsDepartment of Oral Medicine

K.B. Petersen

Assistant Professor

E.S. Thompson

Instructor

K.H. Wright

Assistant Professor

B.J. Zulgar-Nain

Assistant Professor

Department of Oral Surgery

W.S. Prusin

Clinical Lecturer

Department of Paediatric Dentistry

W.S. Hunter

Professor and Chairman

D.A. King

Instructor

H.C. Parrott

Instructor

Department of Restorative Dentistry

G.A. Bedrosian

Clinical Instructor

H.G. Bunston

Clinical Instructor

A.W.E. Cluett

Clinical Instructor

F.V. Currie

Clinical Instructor

F.J. Marshall

Special Lecturer

J. Reddon

Clinical Instructor

K.R.P. Settingington

Clinical Instructor



Department of Social Dentistry

W.A. Dinniwell	Instructor
S.A. Elderkin	Instructor
G.C. Frey	Instructor
B.P. Martinello	Associate Professor and Chairman
S.J. McParland	Instructor
M.C. Nordine	Instructor

PromotionsDepartment of Oral Medicine

J.A. Reid	Clinical Assistant Professor (p.t.)
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Department of Restorative Dentistry

J.A. Guest	Clinical Associate Professor (p.t.)
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ResignationsDepartment of Oral Surgery

W.S. Prusin	Clinical Lecturer
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Department of Social Dentistry

S.A. Elderkin	Instructor
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**FACULTY OF LAW**Appointments

P. Anisman	Assistant Professor
D.R. Harris	Visiting Professor
H. Janisch	Assistant Professor
R.S. Mackay	Office of the Dean
C.G. Morley	Assistant Professor
W.B. Rayner	Assistant Professor
G.M. Thomson	Assistant Professor

Promotions

T.C. Hartley	Associate Professor
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Resignations

T.C. Hartley	Associate Professor
K.A. Hinnegan	Assistant Professor
B.G. Smith	Lecturer

Leave of Absence

J.D. Payne	
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## FACULTY OF ENGINEERING SCIENCE

### Appointments

G.S.P. Castle	Lecturer
M.G. McGarry	Assistant Professor
V. Vitols	Sessional Assistant Professor

### Promotion

P.A. Rosati	Assistant Professor
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## SCHOOL OF BUSINESS ADMINISTRATION

### Appointments

R.R. Britney	Assistant Professor
D.G. Burgoyne	Lecturer
B.L. Davidson	Instructor
J.J. DiStefano	Assistant Professor
D.A. Drinkwalter	Lecturer
H.H. Frankiel	Assistant Professor
K.G. Hardy	Assistant Professor
B.E. Hicks	Assistant Professor
R.J.A. Lord	Lecturer
M. Pearce	Instructor and Research Assistant
J.T. Sears	Visiting Associate Professor
D.C. Shaw	Assistant Professor
D.B. Smith	Assistant Professor
T.N. Warner	Lecturer
A.K. Weinstein	Lecturer
F. Zabransky	Lecturer (p.t.)

### Promotions

J.A. Erskine	Lecturer
J.N. Fry	Associate Professor
J.M. Fuller	Lecturer
J.R.M. Gordon	Associate Professor
E.M. Kepper	Lecturer
D.W. Konchak	Lecturer
D. Kuechle	Associate Professor
A.R. Wood	Professor

### Resignations

P.B. Biesiot	Associate Professor
S.D. Morehouse	Lecturer
Elaine Wilson	Instructor

### Leave of Absence

J.M. Ellert	Lecturer
A.A. Grindlay	Associate Professor
R.M. Knight	Lecturer



## SCHOOL OF LIBRARY AND INFORMATION SCIENCE

Appointments

G.T. Alley	Professor
W.J. Cameron	Professor and Associate Dean
Eleanore C.M. Donnelly	part time faculty
J.L. H. Henderson	part time faculty
G.R. Pendrill	Associate Professor
J.J. Talman	part time faculty
Jean P. Whyte	part time faculty

Resignation

Barbara J. Smith	Professor
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Retirement

E. Reitman	Professor
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## ALTHOUSE COLLEGE OF EDUCATION

AppointmentsDepartment of English

D.C. Gutteridge	Sessional replacement
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Department of History of Education

W.B. Hamilton  
J.D. Purdy

Department of Mathematics

R.M. Holmes	Sessional replacement
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Department of Psychology and Sociology

S.H. Irvine

ResignationsDepartment of Art

K. English

Department of Business and Commerce

R.H. Bailey

Department of History of Education

R.M. Stamp

Retirement (June 30, 1969)

W.S. Turner	Dean of Althouse College of Education
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Leaves of AbsenceDepartment of English

J. Smallbridge

Department of Mathematics

A. Harris

Department of Philosophy

P. O'Leary

Department of Physical Education

I. Bliss

**TROIS PISTOLES**Appointments

Monsieur Armand Auger  
 Monsieur Andre Bussieres  
 Mr. Philip Clark  
 Madame Marielle Tremblay

Resignations

Monsieur Archille Ferland  
 Mr. John Lillie  
 Monsieur Armand Roth

**AFFILIATED COLLEGES****HURON COLLEGE**Appointments

Major David Blaise Butts

Comptroller

Department of Economics

M.K. Inman  
 H.T. Johnson

Special Lecturer  
 Lecturer

Department of English

Elaine C. Bowe

Assistant Professor

Department of History

G.L. Owens

Assistant Professor

Department of Mathematics

R.H. Lee  
 D. Weichman

Lecturer  
 Lecturer



Department of Philosophy

J.P. Schachter

Assistant Professor

Resignations

H.B. Rooney

Comptroller, Lecturer, School of Business

Department of Classics

P. Derbyshire

Lecturer

Department of Economics

A.K. Kelly

Lecturer

Department of English

C.G. Faulkner

Lecturer

Department of Mathematics

G. Edwards

Lecturer

Department of Philosophy

R.W. Binkley

Lecturer

J.A. Eisenberg

Lecturer

**BRESCIA COLLEGE**AppointmentsDepartment of English

N. Tausky

Department of Home Economics

L. DiStefano

R. Penney

M. Rouane

Leave of AbsenceDepartment of Home Economics

Sr. Lorraine

**KING'S COLLEGE**AppointmentsDepartment of Economics

William Marr

Lecturer



Department of English

J.H. Campbell  
Gary H. Paterson

Assistant Professor  
Lecturer

Department of Mathematics

Stuart Jackson

Lecturer

Department of Politics

Phyllis Leach

Lecturer

PromotionDepartment of History

Gerald Olsen

Assistant Professor

ResignationDepartment of History

Nick Tines

Assistant Professor



APPENDIX B  
PUBLICATIONS OF THE FACULTY  
AND GRADUATE STUDENTS



## PUBLICATIONS OF THE FACULTY AND GRADUATE STUDENTS

### UNIVERSITY COLLEGE

#### DEPARTMENT OF ECONOMICS

- BODKIN, R.G. (Review) GORDON, R.A. The Goal of Full Employment (New York, London and Sydney: John Wiley and Sons, 1967). American Economic Review, Vol. 58 (1968), pp. 1003-1006.
- BODKIN, R.G. (Review) LITHWICK, N.H. Economic Growth in Canada: A Quantitative Analysis (Toronto: University of Toronto Press, 1967). Canadian Journal of Economics, Vol. 1 (1968), pp. 834-836.
- CONKLIN, D.W. "Barriers to Technological Change in the U.S.S.R.: A Study of Chemical Fertilizers," Soviet Studies, Vol. 20 (1969), pp. 353-365.
- DUNNING, J.H. "Foreign Capital in the U.K. Economy," In Changing Patterns of World Commerce, Edited by I.A. Litvak and C.J. Maule (New York: F. Praeger, 1969).
- DUNNING, J.H. "Foreign Capital and European Economic Growth," In The Mechanics of European Economic Integration, Edited by G. Denton (London: Weidenfeld and Nicholson, 1969).
- DUNNING, J.H. "U.K. and U.S. Direct Investment Abroad: A Comparative Study," National Provincial Bank Review, No. 83 August (1968).
- DUNNING, J.H. "The Role of American Investment in the British Economy," Political and Economic Planning, Broadsheet 507 (1969).
- DUNNING, J.H. "Profitability, Productivity and other Measures of Business Performance," Investment Analyst, April (1969).
- DUNNING, J.H. "The Reddaway and Hufbauer/Adler Reports on the Foreign Investment Controversy," Bankers' Magazine, Vol. 207 (1969), pp. 307-314.
- GUPTA, S.B. "Some Tests of the International Comparisons of Factor Efficiency with the CES Production Function," Review of Economics and Statistics, Vol. 50 (1968), pp. 470-475.
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- JOHNSON, H.T. "The Economic Effects of Cathedral and Church Building in Medieval England: A Rejoinder," Explorations in Entrepreneurial History, Vol. 6 (1969), pp. 170-174.
- JOHNSON, H.T. (Review) HAYTER, E.W. The Troubled Farmer, 1850-1900: Rural Adjustment to Industrialism (DeKalb, Illinois: 1968). Economic History Review, Vol. 22 (1969), pp. 182-183.
- KADIYALA, K.R. et al. "Efficiency of the Sample Mean when the Residuals Follow a First Order Stationary Markov Process," American Statistical Association. Journal, Vol. 63 (1968), pp. 1237-1246.
- LEITH, J.C. The International Economy, by P.T. Ellsworth (4th ed.) (New York: Macmillan, 1969) 2 chapters.



- LEITH, J.C. "Substitution and Supply Elasticities in Calculating the Effective Protective Rate," Quarterly Journal of Economics, Vol. 82 (1968), pp. 588-601.
- LEITH, J.C. "The Specification of Nominal Tariff Rates in Effective Protection Estimates," Philippine Economic Journal, Vol. 6 (1967), pp. 55-70.
- LEITH, J.C. "Across-the-Board Nominal Tariff Changes and the Effective Rate of Protection," Economic Journal, Vol. 78 (1968), pp. 982-984.
- LEITH, J.C. "The Customs Revenue Loss in a Southeast Asian Customs Union," Journal of Development Studies, Vol. 5 (1969), pp. 142-146.
- LEITH, J.C. and REUBER, G.L. "The Impact of the Industrial Countries' Tariff Structures on their Imports of Manufactures from Less Developed Areas: A Comment," Economica, Vol. 36 (1969), pp. 75-80.
- MELVIN, J.R. "Intermediate Goods in Production Theory: The Differentiable Case," Review of Economic Studies, Vol. 36 (1969), pp. 124-131.
- MELVIN, J.R. "Intermediate Goods, the Production Possibility Curve and Gains from Trade," Quarterly Journal of Economics, Vol. 83 (1969), pp. 141-151.
- MELVIN, J.R. and WILKINSON, B.W. "Effective Protection in the Canadian Economy," Economic Council of Canada, Special Study No. 9, August (1968), p. 81.
- MELVIN, J.R. "Demand Conditions and Immiserizing Growth," American Economic Review, Vol. 59, June (1969).
- MELVIN, J.R. "Comments on the Theory of Customs Unions," Manchester School of Economic and Social Studies, Vol. 36, June (1969).
- REUBER, G.L. et al. International Capital Flows and Domestic Policy: Canada 1951-62 (Cambridge: Harvard University Press, 1970).
- REUBER, G.L. "The Specification and Stability of Estimated Price-Wage-Unemployment Adjustment Relationships," Journal of Political Economy, Vol. 76 (1968), pp. 750-754.
- REUBER, G.L. "Canada's Economic Policies Toward the Less-Developed Countries," Presidential Address, Canadian Economics Association, Calgary (1968). Canadian Journal of Economics, Vol. 1 (1968), pp. 669-698.
- REUBER, G.L. (Review) "An Econometric Model of Canada Under the Fluctuating Exchange Rate," American Economic Review, December (1968), pp. 1416-1419.
- REUBER, G.L. and LEITH, J.C. "The Impact of The Industrial Countries' Tariff Structure on Their Imports of Manufactures from Less-Developed Areas: A Comment," Economica, Vol. 36 (1969), pp. 75-80.
- ROBINSON, T.R. "The Foreign Trade Sector and Domestic Stability: The Canadian Case," Yale Economic Essays, Spring (1969).
- ROBINSON, T.R. "Fiscal Federalism and Economic Stability: An Examination of Multi-Level Public Finances in Canada, 1952-1965," Canadian Journal of Economics, Vol. 2 (1969).
- ROBINSON, T.R. (Review) TAIT, A.A. "Taxation of Personal Wealth," Canadian Journal of Economics, Vol. 2 (1969), pp. 147-149.
- ROY, P.N. et al. "Capital Stocks, Production Functions, and Investment Functions for Selected Input-Output Sectors," (Washington: U.S. Government Printing Office, 1969), p. 180.



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- TANNER, J.E. "Monetary Policy: The Thirties and Sixties," Business Economics. Vol. 4 (1969), pp. 45-49.
- WONNACOTT, R.J. and WONNACOTT, T.H. Introductory Statistics (John Wiley and Sons, 1969), 403 p.
- ZUDAK, L.S. (Abstract) "A Theoretical Analysis of Supply and Demand for Labor in the Steel Industry," In Manpower Research Projects (Washington: U.S. Department of Labour, 1968).
- DEPARTMENT OF ENGLISH
- BANDEEN, B.I. "Geoffrey Chaucer: Prologue to the Canterbury Tales," In Studies of Major Works in English. Edited by J. Orrell (Toronto: Oxford University Press, 1968), pp. 1-29.
- BATES, R.G.N. Changes (Toronto: Macmillan, 1968).
- BATES, R.G.N. (Translation) SODERGRAN, E. "The Strange Ocean," "Towards All Four Winds," "Triumph to Exist," "First I Want to Climb Chimborazzo," Tamarack Review, No. 48 (1968).
- BATES, R.G.N. (Translation) VALA, K. "Chalk Circles," "Night Sky," "God and I," "The Child is Playing," The Tamarack Review, No. 48 (1968), pp. 59-61.
- BATES, R.G.N. (Translation) VALA, K. "Winter Night," "Guardian," "Winter Has Come," "Summer," "The Black Ship," Prism International. Autumn (1968), pp. 8-11.
- BATES, R.G.N. (Translation) SANDELIN, P. "Birds are Singing," Prism International. Autumn (1968), p. 117.
- BATES, R.G.N. (Translation) SODERGRAN, E. "The Great Garden," "The Portrait," "Instinct," "We Women," Prism International. Autumn (1968), pp. 132-133.
- BATES, R.G.N. (Translation) HOFMO, G. "From Another Reality," "Who Says We are Apart?" Literary Review. Vol. 12 (1968-69), pp. 237-238.
- BATES, R.G.N. (Translation) HOLM, P.R. "Motif in Snow," Literary Review. Vol. 12 Winter (1968-69), p. 266.
- BATES, R.G.N. (Translation) LINDEGREN, E. "The Man Without a Way," New Directions Anthology. No. 21 (1968), pp. 1-28.
- BATES, R.G.N. (Poem) "The Man Who Found a Way," New Directions Anthology. No. 21 (1968), p. 29.
- BELL, M. "The Structure of Don Quixote," Essays in Criticism. Vol. 18 (1968).
- BIEMAN, E. "The Alienation of Lear: King Lear, Act Two, Scene Four," Mosaic 2/1, Fall (1968).
- BROWN, M. Bibliography and Introduction to "Creative Writing in Canada in 1966," Journal of Commonwealth Literature. No. 6, December (1968).
- COLLINS, T.J. "Browning's Early Poetry: The Problem of Critical Sophistication," Cithara. Vol. 8 November (1968), pp. 47-53.



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- HIEATT, C.B. "Roland's Christian Heroism," Traditio. Vol. 24 (1968), pp. 420-429.
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- MORRISSEY, L.J. Edition of Henry Fielding's The Tragedy of Tragedies and Tom Thumb, Fountain Wells Drama series, (April, 1969).
- ONDAATJE, M. (Poem) "Pictures from the War," In The New Romans. Edited by A. Purdy (Hurtig, 1968).
- ONDAATJE, M. (Poems) "Description is a Bird," "Over the Garden Wall," In New Voices of the Commonwealth. Edited by H. Sergeant (England: Evans Bros., 1968).
- ONDAATJE, M. (Poem) "Pictures from the War," Queen's Quarterly. Vol. 75 (1968).
- ONDAATJE, M. (Poems) "Stuart's Bird," "Philoctetes on the Island," Is. Vol. 6 (1969).
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#### ALTHOUSE COLLEGE OF EDUCATION

##### DEPARTMENT OF BUSINESS AND COMMERCE

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- WALSH, J.E., CASEY, J.W., ST. LOUIS, M.A. and STEPHEN, G.M. Mathematics 410 (Toronto: Copp Clarke, 1969), 372 p.

##### DEPARTMENT OF ELEMENTARY TEACHING

- HARDY, M. "Disabled Readers: What Happens to Them after Elementary School," Canadian Education and Research Digest. Vol. 8 (1968), pp. 338-346.
- HARDY, M. "Follow-up of Four Who Failed." Journal of Reading. Vol. 12 (1969), pp. 379-382+.
- HARDY, M. "The Relationship Between Auditory Abilities and Reading and Spelling," Special Education in Canada. Vol. 43 (1968), pp. 23-27.

##### DEPARTMENT OF ENGLISH

- GUTTERIDGE, D.G. Riel: A Poem for Voices (Fredericton: Fiddlehead Books, 1968), 52 p.
- PROCUNIER, E.R. "Incident at the Poseidon," (One-act play) In Temper of the Times. Edited by R. Greenfield and R. Side (Toronto: McGraw-Hill, 1969), pp. 174-191.
- PROCUNIER, E.R. Editor of 8 literary selections. In Searchlight Series (Agincourt: Book Society of Canada), pp. various



DEPARTMENT OF GEOGRAPHY

LANGMAN, R.C. "The Agricultural Realm". In Lands of Change. Edited by A.R. Grime (Toronto: Bellhaven House, 1968), pp. 99-190, pp. 297-312, pp. 424-432.

DEPARTMENT OF HISTORY

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PURDY, J.D. (Review) ADAMS, H. The Education of Canadians, 1800-1867 (Montreal: Harvest Books, 1968). Comparative Education Review. Vol. 13 (1969), pp. 231-233.

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DEPARTMENT OF MODERN LANGUAGES

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DEPARTMENT OF MUSIC

WOODBURN, D.E., BRAY, K.I., ROY, G. and STILLMAN, M.E. Music for Young Canada - - Grade 5 (Toronto: Gage, 1968), 201 p.

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DEPARTMENT OF PHILOSOPHY

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DEPARTMENT OF PSYCHOLOGY

HARPER, F.B.W. "Accentuating the Positive," In International Conference on Psychology in the Teacher Preparation Curriculum: A Report on the Outcomes of the Conference (Toronto: Ontario Institute for Studies In Education, 1969), pp. 15-17.

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## COLLEGE OF MUSIC

TSUTSUMI, TSUYOSHI. Sonata for Cello Op. 8 by Z. Kodaly (CBS - Sony, Tokyo, Japan. Sonc 16003) 1968.

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TSUTSUMI, TSUYOSHI. Concerto for Cello and Orchestra by Akio Yashiro (Columbia Record Company, Tokyo, Japan) OS 10025: 1968.

## KING'S COLLEGE

CARRIGAN, D.O. Canadian Party Platforms 1867-1968 (Toronto: Copp Clark, 1968), 363 p.

CARRIGAN, D.O. "A Forgotten Yankee Marxist," The New England Quarterly. Vol. 42 (1969), pp. 23-43.

CRUNICAN, P.E. "Church and the University: Questions for Consideration," University Christian Conference of Canada Quarterly Bulletin Summer (1969), pp. 16-18.



APPENDIX C  
SCHOLARLY ADDRESSES



## SCHOLARLY ADDRESSES

### UNIVERSITY COLLEGE

#### Department of Economics

- BAGULEY, R.W. "International Capital Flows and Canadian Monetary and Fiscal Policies, 1951-1962", Canadian Economic Policy Seminar, Harvard University, April, 1969.
- BODKIN, R.G. "Wage Drift in the United States, 1953-1957". Wesleyan University, Middletown, Connecticut, October, 1968.
- BODKIN, R.G. "Real Wages and Cyclical Variations in Employment: A Re-consideration", University of Illinois, Urbana, Illinois, December, 1968.
- BODKIN, R.G. "Real Wages and Cyclical Variations in Employment: A Re-consideration". Meetings of the Econometric Society, Evanston, Illinois, December, 1968.
- BODKIN, R.G. "Real Wages and Cyclical Variations in Employment: A Re-consideration". University of Maryland, May, 1969.
- BODKIN, R.G. "A Set of Additive Relationships Explaining Personal Savings and the Categories of Consumption Expenditures for the United States of America, 1949-1963". Conference on Econometric Methodology, UWO, May, 1969.
- BODKIN, R.G.  
and K.S.R. MURTHY "The Orders-Shipments Mechanism in Canadian Producer Goods Industries". Canadian Economics Association, York University, June, 1969.
- BROWN, T.M. "The Use of Econometric Models for Estimating Optimal Growth Paths". University of Toronto, April, 1969.
- BROWN, T.M. "The Use of Econometric Models for Estimating Optimal Growth Paths". UWO Seminar, April, 1969.
- BROWN, T.M. "Approximate Small Sample Covariance Formulas for Parameters Estimated by Various Econometric Methods". Conference on Econometrics, UWO, May, 1969.
- CONKLIN, D.W. "The Estimation of Canadian Agricultural Production Functions". Econometric Society Meetings, Evanston, Illinois, December, 1968.
- DUNNING, J.H.  
and MAX STENER "The Effects of U.S. Direct Investment on British Technology". Conference on Trade and Technology, New York, October, 1968.
- DUNNING, J.H. "The Costs and Benefits of Overseas Investment to the Investing Country". Harvard University, October, 1968.
- DUNNING, J.H. "The Costs and Benefits of Overseas Investment to the Investing Country". University of Toronto, November, 1968.
- DUNNING, J.H. "Foreign Capital and European Economic Growth". The University of Calgary, March, 1969.
- DUNNING, J.H. "Foreign Capital and European Economic Growth". The University of Manitoba, March, 1969.
- DUNNING, J.H. "Foreign Capital and European Economic Growth". Le Moyne University (Syracuse), March, 1969.



- DUNNING, J.H. "Technology, Economic Growth, and U.S. Direct Investment in Europe". M.I.T., April, 1969.
- DUNNING, J.H. "A Critique of the Reddaway and Hufbaeur/Adler Reports". Columbia University, April, 1969.
- DUNNING, J.H. "A Critique of the Reddaway and Hufbaeur/Adler Reports". Rutgers University, April, 1969.
- DUNNING, J.H. "The Technological 'Gap', the Product Cycle, and U.S. Investment in Europe". University of North Carolina, April, 1969.
- DUNNING, J.H. "Measures of Inter-firm Efficiency". Dalhousie University, November, 1968.
- DUNNING, J.H. "Measures of Inter-firm Efficiency". Michigan State University, May, 1969.
- DUNNING, J.H. "The Impact of U.S. Foreign Investment on Patterns of Trans-Atlantic Trade". University of Chicago, May, 1969.
- FRIED, J. "Bank Portfolio Selection". Mid-west Finance Association Meeting, Minneapolis, Minnesota, April, 1968.
- KADIYALA, K.R. "A small Sample Property of k-Class Estimators", University of Missouri, November, 1968.
- KADIYALA, K.R. "A Small Sample Property of k-Class Estimators". Conference on Econometrics, UWO, May, 1969.
- LEITH, J.C.  
and D.W. CONKLIN  
and W.E. VICKERY "Project Appraisal" Seminar presented to officers of Canadian International Development Agency, Ottawa. Fall, 1968 (12 lectures) Spring, 1969 (12 lectures).
- MELVIN, J.R. "The Determinants of Trade: A Theoretical Analysis". University of Saskatchewan, Saskatoon, January, 1969.
- MELVIN, J.R. "Effective Protection in the Canadian Economy". University of Saskatchewan, Saskatoon, January, 1969.
- MELVIN, J.R. "Increasing Returns to Scale as a Determinant of Trade". Trade Seminar, University of Rochester, February, 1969.
- MELVIN, J.R. "Intermediate Goods and Trade Theory". University of Rochester, February, 1969.
- MELVIN, J.R. "Commodity Taxation as a Determinant of Trade". Canadian Economics Association, York University. June 5, 1969.
- MELVIN, J.R. "The Future of Canada in the International Economy". Conference of the Canadian Textile Industries, Montreal, June, 1969.
- REUBER, G.L. "Wage Determination in Canadian Manufacturing". Carleton University, March, 1969.
- TANNER, J.E. "Lags in the Effects of Monetary Policy: A Statistical Investigation". Michigan State University, January, 1969.
- TANNER, J.E. "Empirical Evidence on the Real Balance - Outside Wealth Effect in Canada". University of Toronto/UWO Seminar, April, 1969.



- WONNACOTT, R.J. "Possible Economic Implications of Canada - U.S. Free Trade", Canadian Chamber of Commerce, Calgary, October, 1968.
- WONNACOTT, R.J. "U.S. Canadian Economic Relations", University of British Columbia, October, 1968.
- WONNACOTT, R.J. "The Canada - U.S. Auto Agreement and the Wage Parity Question", Queen's University, February, 1969.
- WONNACOTT, R.J. "Wage Parity". Carleton University, March, 1969.
- WONNACOTT, R.J. "Wage Parity". Montreal Economic Association, April, 1969.
- Department of English
- CHAPIN, D.F. "Chaucer's Use of the Interrupted Tale in the Canterbury Tales". Medieval-Renaissance Seminar, UWO. February, 1969.
- COLLINS, T.J. "University English and the Ideal High School Curriculum", Secondary School English Departments of London, South Secondary School, March, 1969.
- DEVEREUX, E.J. "John Rastell and the English Reformation", UWO Medieval and Renaissance Colloquium. Victoria College, Toronto, Renaissance and Reformation Colloquium.
- HIEATT, A.K. "Three Fearful Symmetries of The Faerie Queene: Pattern Elucidating Meaning", UWO Colloquium, November, 1968.
- ONDAATJE, M. "Leonard Cohen", University of New Brunswick, April, 1969.
- ONDAATJE, M. "Leonard Cohen's Beautiful Losers", UWO Colloquium, November, 1968.
- RAJAN, B. "The Constant Core: Continuity in Milton's Poetry". University of Guelph, November, 1968.
- RAJAN, B. "Drama of W.B. Yeats". University of Toronto, November, 1968.
- SANBORN, C.E. "University Expectations of the High School English Program". Canadian Council of Teachers of English, Calgary, August, 1968.
- WILSON, H.R. "Tennyson: The Dialect Poems", University of Massachusetts, April, 1969.
- Department of French
- BALSE, M.L. Colloque 69: Bernanos "Authenticity of the vision of Bernanos", UWO, January, 1969.
- BUSH, W.S. Colloque 69: Bernanos "Vision creatrice et tentation litteraire", UWO, January, 1969.
- HELLER, L.M. "Pascal's Wager", York University, June, 1969.
- RENAUD, G.R.J. Colloque 69: Bernanos "Une vision décléricalisée: chantal de Clergerie et le curé d'Ambricourt". UWO, January, 1969.



- VENESOEN, C. "Etude & Enseignement des classiques francais: anachronisme ou actualité?" York University, June, 1969.
- Department of Physical and Health Education
- BERZINS, E. "Physical Education in Soviet Latvia", Association of Scientists of Baltic States, University of Maryland, November, 1968.
- EYNON, R.B. "Canadian Council for Co-operation in Aquatics", Canadian Association for Health, Physical Education and Recreation, Victoria, B.C., June, 1969.
- L'HEUREUX, W.J. "A Look at the Future in Fitness and Amateur Sport", National Advisory Council Meeting, Ottawa, November, 1968.
- L'HEUREUX, W.J. "Physical Activity for Children with Learning Difficulties", Canadian Association of Children with Learning Difficulties, London, October, 1968.
- L'HEUREUX, W.J. "Building National Goals in Fitness and Amateur Sports", Atlantic Provinces Physical Education Association, Moncton, N.B., November, 1968.
- L'HEUREUX, W.J. "The Government and Sport", Coaches, Canadian Water Polo Association, London, UWO. March, 1969.
- PATON, G.A. "Professional Preparation in Recreation at Western", Fanshawe College, London, October, 1968.
- PATON, G.A. "Expanding Enrolment in Undergraduate Physical Education Programs in Ontario", University of Waterloo, December, 1968.
- PATON, G.A. "Relationship Between the Undergraduate and Graduate Courses in Physical Education Administration", Queen's University, April, 1969.
- PATON, G.A. "Administrative Theory and Practice on Physical Education", Canadian Association for Health, Physical Education and Recreation, Victoria, B.C., June, 1969.
- RICHARDSON, J.R. "Stabilometer Motor Performance", 2nd International Congress on the Psychology of Sport, Washington. October, 1968.
- RICHARDSON, J.R. "Lifejacket Development in Canada", Canadian Association for Health, Physical Education and Recreation, Victoria, B.C., June, 1969.
- RICHARDSON, J.R. "Referee Development Clinic", Hamilton, Ontario. Course Co-ordinator. F.I.N.A. October, 1968.
- RICHARDSON, J.R. "Interprovincial Regional Organization Clinic", Fredericton, N.B. Course Director - (Recreation Leaders) December, 1968.
- RICHARDSON, J.R. "Canada Games Development", Fredericton, N.B. (Canada Games Committee) March 1969.
- SMITH, G. "Concept of Group Cohesion and its Significance in Physical Education", Canadian Association for Health, Physical Education and Recreation, Victoria, B.C., June, 1969.



- YUHASZ, M.S. "Physical Fitness Appraisal for Young Men and Women", Fanshawe College, London.
- Department of Sociology
- BALAKRISHNAN, T.R. and J.F. KANTNER and J.D. ALLINGHAM "Nativity and Fertility". Population Association of America, Atlantic City, April, 1969.
- BALAKRISHNAN, T.R. and J.D. ALLINGHAM and J.F. KANTNER "The End of Rapid Decline in the Use of Oral Anovulants; Some Problems in the Interpretation of Time Series of Oral Use Among Married Women". Canadian Sociological and Anthropological Association, Toronto, June, 1969.
- EBANKS, G.E. "World Population Problems", Ministry of Health (Jamaica) Training Program for Family Planning Education Officers, August, 1968.
- GESCHWENDER, J.A. "Opportunities for Higher Education in Canada", Conference on Student power and Social Change in the Canadian University Today, UWO, January, 1969.
- GEORGE, P.M. "Science and Society: The Development of a Relationship". X11th International Congress of the History of Science, Paris, France, August, 1968.
- GRINDSTAFF, C.F. "The Negro, Urbanization, and Relative Deprivation in the North". American Sociological Association, Boston, Massachusetts, August, 1968.
- GRINDSTAFF, C.F. "To Obey or Disobey - - The Rule of Law in a Changing Society". UWO Forum, February, 1969.
- GRINDSTAFF, C.F. "Migration in Mississippi, Census Survival and Place of Birth". International Population Program, Cornell University, Ithaca, New York, March, 1969.
- KIM, H.Y. "Perceived Attributes, Adoption, and Changes in Attitude Toward a New Contraceptive Method", Population Association of America, Atlantic City, April 11, 1969.
- KIM, H.Y. "Social Class Position of the Family, Modes of Reference, and Aspirations for Higher Education". Canadian Sociological and Anthropological Association, June, 1969, Toronto.
- PRYOR, E.T. "The School and Sociological Problems of the Future", Secondary School Principals' Course, UWO, July, 1968.
- PRYOR, E.T. "Historical Demographic Data for the United States". Johns Hopkins University, Baltimore, Maryland, May, 1969.
- SINGER, B.D. "Attitudes, Violence and the Mass Media", Children's Psychiatric Research Institute, October, 1968.
- WILLIAMS, J.I. "Disease as Deviance". Canadian Sociological and Anthropological Association, June, 1969, Toronto.



## MIDDLESEX COLLEGE

Department of Geography

- BJORKLUND, E.M. "A Perception Based Model of Intra-cultural Change", 21st International Geographical Congress, New Delhi, India, December, 1968.
- BUTLER, R.W. "Canadian National Parks - Areas of Conflict", GIRMS, Geographical Inter-universities Resources Management, Kitchener, October, 1968.
- DAY, J.C. "Institutional Approaches to Water Management on the Rio Grande", Geographical Inter-universities Resources Management, Kitchener, October, 1968.
- PACKER, R.W. "Winter Mass Wasting on the Lake Erie North Shore", Southern Ontario Division, Ontario Association of Geographers, University of Windsor, January, 1969.
- PACKER, R.W. "Non-linearity in Coastal Geomorphic Forms", Symposium on Geomorphology, University of Guelph, April, 1969.
- PHILBRICK, ALLEN, K. "Geographical Measures of Dimensional Diversity", International Geographical Union, New Delhi, December, 1968.
- PHILBRICK, ALLEN, K. "Data Bank Research in Ontario", Conference of Urban Geographers, Tokyo, July, 1968.
- PHILBRICK, ALLEN, K. "Quantitative Perspective in Geography", University Geography Seminar, Accra, December, 1968.
- PLEVA, EDWARD G. "Today's Students", Ontario Department of Education Vice-Principal's Course, The University of Western Ontario, London, July, 1968.
- PLEVA, EDWARD G. "Man, the Fitness of the Environment, and Survival", Canadian Institute on Pollution Control, Conference on Canada's Second Century, Toronto, October, 1968.
- PLEVA, EDWARD G. "How to Identify the Operative Region" - Seminar in Resources Management Course, University of Toronto, January, 1969.
- PLEVA, EDWARD G. "Urban Problems and a Science Policy for Canada", Canadian Institute of Public Affairs, Winter Conference, Toronto, February, 1969.
- WHEBELL, C.F.J. "Concepts in Settlement Geography", International Geographical Union, New Delhi, India, December, 1968.

Department of Psychology

- FEENSTRA, H.J. "Parent and Teacher Attitudes": Their role in second-language learning. Jasper Conference for Language Arts Specialists, Jasper, Alberta, June, 1968.
- FEENSTRA, H.J. "Evaluation of the Impact of Summer School on the Subsequent Academic Achievement of London's Carnegie Students". Ontario Educational Research Council, Toronto, December, 1968.



- FEENSTRA, H.J. "The Process of Second-language Learning". XVIth International Congress of Applied Psychology, Amsterdam, August, 1968.
- FEENSTRA, H.J. "A Follow-up of Graduates from the London School System". Canadian Educational Researchers' Association, Victoria, B.C., January, 1969.
- FEENSTRA, H.J. "Factors in Second-language Learning". Baffin Island Teachers' Conference (of Eskimo students), Montreal, February, 1969.
- FOULDS, G.A. "Age of Onset and Patterns of Excessive Drinking in Relation to Personality". Ontario Psychological Association, Toronto, February, 1969.
- GARDNER, R.C. "Ethnic Stereotypes": The role of contact. Psychological Association of the Philippines, Annual Meetings, Manila, January, 1969.
- GARDNER, R.C. "The Psychology of Foreign Language Learning". Seminar on Language Teaching. Ateneo De Manila University, April, 1969.
- GARDNER, R.C. "Psychology and the Computer". Invited address. Psychological Association of the Philippines. Special Meeting. University of the Philippines, Quezon City, May, 1969.
- GARDNER, R.C. "The Psychological Aspects of Language Learning". Invited address. Seminar on Language Teaching and Language Testing. Philippine College of Commerce, Manila, January, 1969.
- JACKSON, D.N. "A Threshold Model for Stylistic Responding". American Psychological Association, San Francisco, September, 1968.
- JACKSON, D.N.  
and L.J. STRICKER  
and S. MESSICK "Dimensionality of Social Influence". American Psychological Association, San Francisco, September, 1968.
- JACKSON, D.N. "Multitrait-multimethod Evaluation of the Personality Research Form". American Psychological Association, San Francisco, September, 1968.
- JACKSON, D.N. "The Dynamics of Structured Personality Tests": 1969. Western Psychological Association, Vancouver, June, 1969.
- JACKSON, D.N. "A Multivariate Criterion for Parallel Forms". Canadian Psychological Association, Toronto, June, 1969.
- JACKSON, D.N.  
and B.F. BURRON  
and C.H. LAY "Inferential Relationships, Endorsement Frequency, and Judgment Probabilities of Joint Occurrence". Canadian Psychological Association, Toronto, June, 1969.
- KIMURA, D. "Comparison of Left and Right Hands on Individual Finger Movements". Eastern Psychological Association, Philadelphia, April, 1969.
- KIMURA, D. "Perception of Verbal and Nonverbal Auditory Stimuli by Young Children". (Sponsor for Carol Knox) Eastern Psychological Association, Philadelphia, April, 1969.
- KNIGHTS, R.M. "Children with Learning Disabilities": Two years after neuropsychological assessment. Society for Research in Child Development, Santa Monica, March, 1969.



- MOGENSON, G.J.  
and C.W. MORGAN  
and A.G. PHILLIPS  
and J.A.F. STEVENSON      "Studies of Self-stimulation and Drinking". XXIV International Congress of Physiological Sciences, Washington, August, 1968.
- MOGENSON, G.J.      "Some Observations of Drinking from Electrical Stimulation of the Hypothalamus". Third International Conference on the Regulation of Food and Water Intake, Haverford, Pennsylvania, September, 1968.
- MOGENSON, G.J.  
and T. WISHART  
and L. BROHMAN      "Effects of Lesions of the Hippocampus and Septum on Hoarding Behavior". Psychonomic Society, St. Louis, October, 1968.
- MOGENSON, G.J.      "Specific Shifts in Induced Motivated Behavior produced by Drugs". Eastern Psychological Association, Philadelphia, April, 1969.
- MOGENSON, G.J.  
and R. MACLACHLAN  
and T. WISHART  
and J.A.F. STEVENSON      "Effects of Sodium Phenobarbital on Water Intake of Rats with Lesions of the Ventromedial Medial Hypothalamus or Septum." Federation of American Societies for Experimental Biology, Atlantic City, April, 1969.
- MOGENSON, G.J.  
and J. MILLER      "An Electrophysiological Study of Septal-Hypothalamic Relationships". Canadian Federation of Biological Societies, Edmonton, June, 1969.
- MOGENSON, G.J.      "Sensory Factors in Self-Stimulation". Symposium, Canadian Psychological Association, June, 1969.
- MONJAN, A.A.      "Cerebellar Lesions and Task Difficulty". Eastern Psychological Association, Philadelphia, April, 1969.
- PAIVIO, A.U.      "Effects of Imagery Instructions and Concreteness of Memory Pegs in Mnemonic System". American Psychological Association, San Francisco, September, 1968.
- PAIVIO, A.U.      "Concrete-image and Verbal Memory Codes". Psychonomic Meetings, St. Louis, October, 1968.
- PAIVIO, A.U.      "On the Functional Significance of Imagery". Symposium entitled "Imagery in Children's Learning". Society for Research in Child Development, Santa Monica, March, 1969.
- PEDERSON, D.R.  
and L. CHAMPAGNE  
and L. PEDERSON      "Relative Soothing Effects of Vertical and Horizontal Rocking". Society for Research in Child Development, Santa Monica, March, 1969.
- REITZ, W.E.      "Self Attitude Statements as Positive and Negative Reinforcements". Eastern Psychological Association, Philadelphia, April, 1969.
- STENNETT, R.G.      "Four-year or Five-year?" Proceedings of Ontario Educational Research Council, Toronto, December, 1968.
- VANDERWOLF, C.H.      "Effect of Chlorpromazine on Avoidance Behavior and Hippocampal Electrical Activity". Canadian Physiological Society, St. Adele, Quebec, January, 1969.
- VANDERWOLF, C.H.      "Hippocampal Electrical Activity and Voluntary Movement". Second Annual Winter Conference on Brain Research, Aspen, Colorado, January, 1969.



- VIDMAR, N.J. "Group Composition and Risk Taking". Eastern Psychological Association, Philadelphia, April, 1969.
- WRIGHT, M.J. "Canadian Psychology Comes of Age". Presidential Address. Canadian Psychological Association, Toronto, June, 1969.

Department of Spanish and Italian

- LOPEZ PACHECO, J. "La poesia espanola de postguerra" - Fall Meeting of Ontario Association of Teachers of Spanish and Portuguese. Queen's University. November, 1968.
- LOPEZ PACHECO, J. Poetry Reading of his own poems at UWO December, 1968.
- LOPEZ PACHECO, J. "Ultima poesia espanola" - International Colloquium on Post Civil War Spanish Poetry given at UWO February, 1969 in conjunction with the Ontario Chapter of the American Association of Teachers of Spanish and Portuguese.
- LOPEZ PACHECO, J. "La situacion del escritor en la Espana actual" - University of Toronto. March, 1969.
- LOPEZ PACHECO, J. Poetry Reading and Colloquium on poetry of Jesus Lopez Pacheco. Oberlin College, Cleveland, Ohio. May, 1969.

**FACULTY OF SCIENCE**

Department of Astronomy

- GRAY, D. "The Effect of Temperature Distribution on Line Profiles and the Curve of Growth". University of Michigan, Ann Arbor, Michigan, March, 1969.
- GRAY, D. "The Impossibility of Determining Chemical Abundances In Stars". Department of Astronomy, UWO., London, Ontario, March, 1969.
- MARLBOROUGH, J.M. "Models for BE Star Envelopes". Department of Astronomy, University of Toronto, Toronto, Ontario, March, 1969.

Department of Applied Mathematics

- BLACKWELL, J.H. "Applied Mathematics at UWO". Carleton University, Ottawa, Ontario, March, 1969.
- DENNIS, S.C.R. "Numerical Integration of the Navier-Stokes Equations For Steady Two-Dimensional Flows". International Symposium on High-Speed Computing in Fluid Dynamics, Monterey, California, August, 1968.
- DENNIS, S.C.R. "Incompressible Boundary Layers on Cylinders". University of Toronto, Department of Mathematics, Toronto, Ontario. November, 1969.

Department of Botany

- CAVERS, P.B. "The Use of Land in Ontario". Ontario Institute of Agrologists, April, 1969.
- CAVERS, P.B.  
and R.A. FROST "Studies of the Germination Behavior of Seeds of Amaranthus spp. After Overwintering Under Field and Laboratory Conditions". The University of Western Ontario, London, Ontario, February/March, 1969).
- CAVERS, P.B.  
and M.A. MAUN "Effect of 2, 4-D on the Seed Production and Embryo Development of Rumex Crispus L." The University of Western Ontario, London, Ontario, February/March, 1969.



- CAVERS, P.B.  
and S.S. SIDHU      "The Dormancy and Viability of Seeds of Medicago Lupulina L. at Different Stages of Maturity", The University of Western Ontario, London, Ontario, February/March, 1969.
- HICKMAN, C.J.      "Some Factors Involved in the Accumulation of Phycomycete Zoospores on Plant Roots". International Congress of Plant Pathology London, England, July, 1968.
- HICKMAN, C.J.      "Biology of Phytophthora Zoospores". American Phytopathological Society, Tucker Memorial Symposium, Columbia, Missouri, June, 1969.
- ORLOCI, L.      "Information Theory Models for Hierarchic and Non-Hierarchic Classifications". Conference on Numerical Taxonomy, St. Andrews, Scotland, September, 1968.
- WALDEN, D.B.      "The Mitotic Karyotype and the Prediction of Meiotic Behavior. Experimental Evidence from Maize". 12th International Congress of Genetics, Tokyo, Japan, August, 1968.
- WELLMAN, A.M.      "Growth of Some Fungi Before and After Cryogenic Storage". International Conference on Culture Collections, Tokyo, Japan, October, 1968.
- Department of Chemistry
- BAIRD, N.C.      "Hyperconjugative Stabilization of Organic Radicals and Ions". NRC - CIC Conference, Montreal, Quebec, May, 1969.
- CHAN, R.K.      "Co-efficient of Thermal Expansion of Non-Polar Solids by Means of Dielectric Constant Measurements". NRC-CIC Conference, Montreal, Quebec, May, 1969.
- CLARK, H.C.      "Relative Reactivities of Si-Fe, Ge-Fe, and Sn-Fe Bonds". NRC - CIC Conference, Montreal, Quebec, May, 1969.
- CLARK, H.C.      "Hydrides and Carbonyls of Platinum". Harvard University, Boston, Massachusetts, October, 1968.
- CLARK, H.C.      "Hydrides and Carbonyls of Platinum". McGill University, Montreal, Quebec, December, 1968.
- CLARK, H.C.      "Hydrides and Carbonyls of Platinum". State University of New York at Buffalo, New York, February, 1969.
- CLARK, H.C.      "Hydrides and Carbonyls of Platinum". University of Manitoba, Winnipeg, Manitoba, March, 1969.
- CLARK, H.C.      "Hydrides and Carbonyls of Platinum". University of Saskatchewan, Saskatoon, Saskatchewan, March, 1969.
- CLARK, H.C.      "Hydrides and Carbonyls of Platinum". Ohio State University, Ohio, May, 1969.
- HAINES, R.A.      "Circular Dichroism of Metal Complexes". York University, Toronto, Ontario, September, 1968.
- HAINES, R.A.      "Stereospecificity of Co(en)<sub>2</sub>C<sub>12</sub><sup>+</sup> In an Active Solvent". NRC - CIC Conference, Montreal, Quebec, May, 1969.



- HAINES, R.A. Lectured during professional development course in Chemistry. CIC - Sarnia, Sarnia, Ontario, March - May, 1969.
- HUNTER, D.H. "Orbital Symmetry in a Carbanion Cyclization". NRC - CIC Conference, Montreal, Quebec, May, 1969.
- JACOBS, P.W.M. "Thermal and Photochemical Decomposition Reactions in Inorganic and Organic Solids". VI International Symposium on Reactivity of Solids, Schenectady, N.Y., August, 1968.
- JACOBS, P.W.M. "Mechanism of Decomposition of Ammonium Perchlorate". Colloquium at Canadian Armament Research and Development Establishment, Valcartier, P.Q., October, 1968.
- JACOBS, P.W.M. "Thermal Decomposition of Barium and Magnesium Perchlorates". Colloquium at Picatinny, Arsenal, J.J., March, 1969.
- JACOBS, P.W.M. "Ionic Conductivity". Colloquium at Princeton University, March, 1969.
- JACOBS, P.W.M. "Thermal Decomposition of Barium Perchlorate". CIC Annual Meeting, Montreal, Quebec, May, 1969.
- JACOBS, P.W.M. "The Thermal Decomposition of Ammonium Perchlorate + Magnesium Perchlorate Mixtures". AIAA Joint Propulsion Meeting, Colorado Springs, Colorado, June, 1969.
- KIDD, R.G. "Solvation of Sodium Ions Studied by  $^{23}\text{Na}$  NMR". York University, Toronto, September, 1968.
- KIDD, R.G. "Aluminum Halides of the Type  $\text{AlX}_4^-$  and  $\text{AlX}_n\text{Y}_{4-n}$ ". Spectroscopy Society of Canada, Toronto, October, 1968.
- KIDD, R.G. "A  $^{39}\text{K}$  NMR Study of the Interactions Between  $\text{K}^+$  Ions and Oxyanions in Aqueous Solution". NRC - CIC Conference, Montreal, Quebec, May, 1969.
- KING, J.F. "Sulfenes". McGill University, Montreal, Quebec, November, 1968.
- KING, J.F. "Sulfenes: Recent Researches into Their Formation and Habits". CIC Tour of Western Canada, October - November, 1968.
- KING, J.F. "Sulfenes". CIC - Sarnia, April, 1969.
- KING, J.F. "Organosulfur Chemistry". ACS National Meeting, Minneapolis, Minnesota, April, 1969.
- KING, J.F. "Axial: Equatorial Rate Ratios and the Geometry of Transition States". NRC - CIC Conference, Montreal, Quebec, May, 1969.
- LORIMER, J.W. "The Measurement and Interpretation of Electro-osmotic Flow". University of Michigan, Biophysics Research Group, Ann Arbor, Michigan, May, 1969.
- LORIMER, J.W. "Light Scattering and Thermodynamics of Binary Liquid Systems". NRC - CIC Conference, Montreal, Quebec, May, 1969.



- MAYO, P. DE "Primycin". IUPAC Symposium on Natural Products, London, England, July, 1968.
- MAYO, P. DE "Flash Thermolysis". CIC Conference, Montreal, Quebec, May, 1969.
- MAYO, P. DE "Flash Thermolysis". NRC, Ottawa, Ontario, October, 1968.
- MAYO, P. DE "Flash Thermolysis". Rockefeller University, New York, November, 1968.
- MAYO, P. DE "Synthesis of Methyl Isomarasmate". Firmenich et Cie, Geneva, Switzerland, March, 1969.
- MAYO, P. DE "Synthesis of Methyl Isomarasmate". Institut de Chimie des Substances Naturelles, Gif-sur-Yvette, March, 1969.
- MAYO, P. DE "La Photochimie de Nitrobenzene". Societe Chimique de France, Paris, France, March, 1969.
- MAYO, P. DE "La Photochimie de Nitrobenzene". Faculte des Sciences, Universite Nancy, France, March, 1969.
- MAYO, P. DE "Flash Thermolysis". Faculte des Sciences, Universite de Strasbourg, France, March, 1969.
- MAYO, P. DE "Cyclene Photoaddition". Faculte des Sciences, Orsay, France, March, 1969.
- MEATH, W.J. "Intermolecular Forces and the Multipole Expansion". NRC - CIC Conference, Montreal, Quebec, May, 1969.
- STOTHERS, J.B. "Conformational Effects on  $^{13}\text{C}$  Shieldings in Alicyclic Oxygenated Compounds". NRC - 2nd International Symposium on NMR, Sao Paulo, Brazil, July, 1968.
- STOTHERS, J.B. " $^{13}\text{C}$  NMR and Stereochemistry". State University of New York, Stony Brook, N.Y., November, 1968.
- STOTHERS, J.B. " $^{13}\text{C}$  NMR Approaches for Conformational Analysis". EAS Committee, New York, New York, November, 1968.
- STOTHERS, J.B. "Organic Applications of  $^{13}\text{C}$  NMR". ACS, Indianapolis Section, Indianapolis, Indiana, January, 1969.
- STOTHERS, J.B. "Geometrical Effects on  $^{13}\text{C}$  Shieldings". NRC - CIC Conference, Montreal, Quebec, May, 1969.
- STOTHERS, J.B. Series of lectures (6) on "Molecular Spectroscopy". CIC - Sarnia Section, Sarnia, Ontario, March - April, 1969.
- WARNHOFF, E.W. "The Heterocholestenone and Related Rearrangements". CIC and University of New Brunswick, Fredericton, N.B., August, 1968.
- WARNHOFF, E.W. "The Mechanisms of the Favorskii Reaction", Department of Chemistry, University of Manitoba, Winnipeg, Manitoba, February, 1969.
- WARNHOFF, E.W. "Mechanistic Variations in the Favorskii Reaction - Merck Sharpe and Dohme Award Lecture", CIC Conference, Montreal, Quebec, May, 1969.



WILLIS, C.J. Allied Chemical Co., Morristown, N.J., October, 1968 (topic not available).

WILLIS, C.J. "Perfluoro Pinacol Complexes of Nickel". NRC - CIC Conference, Montreal, Quebec, May, 1969.

Department of Computer Science

BECKHOFF, G.F. "Residuation Theory and Automata Theory: A New Look at the Decomposition Theorem". Biennial Research Seminar, Sir George Williams University, Montreal, Quebec, June, 1969.

CARROLL, J.M. "Medial Considerations in the Design of Information Systems". Biennial Research Seminar, Sir George Williams University, Montreal, Quebec, June, 1969.

DEWDNEY, A.K. "Film-CAI Presentation of Computer Science Topics". Biennial Research Seminar, Sir George Williams University, Montreal, Quebec, June, 1969.

GARGANTINI, I. "The Weyl Method for the Simultaneous Approximation of all Zeros of a Polynomial". New Mexico State University, Mexico, January, 1969.

GARGANTINI, I. "The Numerical Efficiency of a Zero-Finding Routine For Polynomials". Ohio State University, Ohio, January, 1969.

Department of Geology

05

Delete last entry.

"The Penokean and Hudsonian Orogenies in the Great Lakes Region,

DREIMANIS, A.  
and A.D. EDGAR  
and A. MOTTANA  
and N.D. MACRAE

"Chemistry and Cell parameters of Omphacites and Related Pyroxenes". IMA Meeting, Prague, Germany, September, 1968.

This should now read:

EDGAR, A.D.  
and A. MOTTANA  
and N.D. MACRAE

"Chemistry and Cell parameters of Omphacites and Related Pyroxenes". IMA Meeting, Prague, Germany, September, 1968.

DREIMANIS, A.

Geology in Eastern  
University of Maryland, December, 1968.

DREIMANIS, A.

"Late Pleistocene Lakes in the Ontario and Erie Basins". Great Lakes Research Conference, University of Michigan, Michigan, May, 1969.

DREIMANIS, A.  
and U.J. VAGNERS

"Characteristics of the Composition of Till Derived from the Basal and the Englacial Drift". Geol. Society of American North Central Section, Colorado, Ohio, May, 1969.

DREIMANIS, A.  
and A. BAYROCK  
and J.A. ELSON  
and R.P. GOLDTHWAIT  
and J.R. KEMPTON  
and R.W. MAY  
and S.C. PORTER

"Procedures of Till Investigations in North America". Geol. Soc. of Am. North Central Section, Colorado, Ohio, May, 1969.

DREIMANIS, A.  
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WILLIS, C.J. Allied Chemical Co., Morristown, N.J., October, 1968 (topic not available).

WILLIS, C.J. "Perfluoro Pinacol Complexes of Nickel". NRC - CIC Conference, Montreal, Quebec, May, 1969.

Department of Computer Science

BECKHOFF, G.F. "Residuation Theory and Automata Theory: A New Look at the Decomposition Theorem". Biennial Research Seminar, Sir George Williams University, Montreal, Quebec, June, 1969.

CARROLL, J.M. "Medial Considerations in the Design of Information Systems". Biennial Research Seminar, Sir George Williams University, Montreal, Quebec, June, 1969.

DEWDNEY, A.K. "Film-CAI Presentation of Computer Science Topics". Biennial Research Seminar, Sir George Williams University, Montreal, Quebec, June, 1969.

GARGANTINI, I. "The Weyl Method for the Simultaneous Approximation of all Zeros of a Polynomial". New Mexico State University, Mexico, January, 1969.

GARGANTINI, I. "The Numerical Efficiency of a Zero-Finding Routine For Polynomials". Ohio State University, Ohio, January, 1969.

Department of Geology

CHURCH, W.R. "The Penokean and Hudsonian Orogenies in the Great Lakes Region, and the Age of the Grenville Front". 14th Inst. Lake Superior Geology, Superior, Ontario, May, 1968.

CHURCH, W.R. "Origin of Eclogites". McMaster University, Hamilton, Ontario, February, 1969.

CHURCH, W.R.  
and G.M. YOUNG "Early Proterozoic Stratigraphy of the North Atlantic Continents". International Geology Congress, Prague, Czechoslovakia, August, 1968.

CHURCH, W.R.  
and R.K. STEVENS "Crustal Evolution of the Western Margin of the Newfoundland Appalachians". An. Meet. Geol. Soc. Am., Mexico City, Mexico, November, 1968.

DREIMANIS, A. "Geology in Latvia: 1944-1968". Conference on Baltic Studies, University of Maryland, December, 1968.

DREIMANIS, A. "Late Pleistocene Lakes in the Ontario and Erie Basins". Great Lakes Research Conference, University of Michigan, Michigan, May, 1969.

DREIMANIS, A.  
and U.J. VAGNERS "Characteristics of the Composition of Till Derived from the Basal and the Englacial Drift". Geol. Society of American North Central Section, Colorado, Ohio, May, 1969.

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and R.W. MAY  
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DREIMANIS, A.  
and A.D. EDGAR  
and A. MOTTANA  
and N.D. MACRAE "Chemistry and Cell parameters of Omphacites and Related Pyroxenes". IMA Meeting, Prague, Germany, September, 1968.



- DREIMANIS, A. "Experimental Studies on Undersaturated alkaline rocks". University of Ottawa". Ottawa, Ontario, February, 1969.
- DREIMANIS, A. and R.G. PLATT and M.K. SOOD "Phase relations in Parts of the 'Undersaturated' Residua system with the Addition of Diopside". University of Toronto, Toronto, Ontario, February, 1969.
- DREIMANIS, A. and R.G. PLATT "Phase Relations in the System Diopside-Nepheline-Sanidine". American Geophysical Union Meeting, Washington, D.C., April, 1969.
- DREIMANIS, A. and M.K. SOOD "Phase Relations in the System Diopside-Albite-Leucite". American Geophysical Union Meeting, Washington, April, 1969.
- DREIMANIS, A. and M.K. SOOD and R.G. PLATT "Phase Relations in the System Diopside-Nepheline-Kalsilite-Silica and Its Importance in Alkaline Rock Genesis". Symposium on alkaline Rocks, GAC-MAC Meeting, Montreal, Quebec, June, 1969.
- FARVOLDEN, R.N. "Provincial Conference on Solid Wastes". Conservation Council of Ontario, Toronto, Ontario, November, 1968.
- FARVOLDEN, R.N. "Solid Wastes Pollution Conference". Erie Region Economic Council, London, Ontario, January, 1969.
- FARVOLDEN, R.N. "Water Balance in North America". 3rd Annual Symposium Am. Water Res. Assoc., Banff, B.C., June, 1969.
- FARVOLDEN, R.N. "16th Annual Industrial Waste Conference". Ontario Water Resources Comm., Niagara Falls, Ontario, June, 1969.
- FLEET, M.E. "The Marcasite, Pyrite Transformation". GSA, Mexico City, November, 1968.
- HUTCHINSON, R.W. "Tectonics of Southern Red Sea". Royal Society Discussion Meeting, London, England, March, 1969.
- HUTCHINSON, R.W. "Prospectors Instruction Course". Prospectors and Developers Association, Toronto, March, 1969.
- LENZ, A.C. "3rd International Symposium on Silurian-Devonian Boundary and Stratigraphy of the Lower and Middle Devonian". Leningrad, Russia, July, 1968.
- LENZ, A.C. "Geology and Paleontology of Salair Mountains, Pololia and Bohemia". Geology Club, Carleton University, Ottawa, Ontario, October, 1968.
- STARKEY, J. "The Crystal Structure of Metamorphic Low Albite". American Mineralogical Society, Mexico City, Mexico, November, 1968.
- SUTTERLIN, P.G. "Canada Centre for Inland Waters". Burlington, Ontario, February, 1969.
- SUTTERLIN, P.G. "Development of a Flexible Storage and Retrieval System for Geological Data". Symposium on "Decision Making in Mineral Exploration 11". University of British Columbia, Vancouver, B.C., February, 1969.
- YOUNG, G.M. "Early Proterozoic Stratigraphy of the North Atlantic Continents: A Comparison". 23rd Session of International Geology Congress, Prague, Czechoslovakia, August, 1968.



YOUNG, G.M. "Huronian Rocks of the Great Lakes Region". Field camp, University of Wyoming, Laramie, Wyoming, July, 1968.

YOUNG, G.M. "Stratigraphical and Sedimentological Comparison of Early Proterozoic Rocks of Southeast Wyoming and the Great Lakes Region". 15th Annual Institute on Lake Superior Geology Oshkosh, Wisconsin, May, 1969.

Department of Geophysics

CARMICHAEL, C.M. "The Magnetization of Some Mid-Atlantic Ridge Basalts". American Geophysics Union Congress, Washington, April, 1969.

KILLEEN, P.G. "Uranium Exploration with a Gamma-Ray Spectrometer in Blind River Area, Ontario". Second Annual Conference on Geophysics of the Utah Geophysical Society, Salt Lake City, Utah, March, 1969.

MANSINHA, L. "Earthquake and the Chandler Wobble". Geophysical Discussion of Royal Astronomical Society, London, Ontario, January, 1969.

P. 306 Delete first eleven lines from top of left column; first twelve lines of right column.  
This should now read:

EDGAR, A.D. "Experimental Studies on Undersaturated alkaline rocks". University of Ottawa". Ottawa, Ontario, February, 1969.

EDGAR, A.D.  
and R.G. PLATT  
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EDGAR, A.D.  
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and M.K. SOOD  
and R.G. PLATT "Phase Relations in the System Diopside-Nepheline-Kalsilite-Silica and Its Importance in Alkaline Rock Genesis". Symposium on alkaline Rocks, GAC-MAC Meeting, Montreal, Quebec, June, 1969.

BOW, Y.F. "Rotational Gyromagnetic Ratios of Deformed Nuclei". Indiana State University, Terre Haute, Indiana, October, 1968.

FORSYTH, P.A.  
and J. HOFSTEE "Ion-Acoustic Waves in the Auroral Plasma". Canadian Association of Physicists, Waterloo, Ontario, June, 1969.

FULFORD, J.A.  
and J. LITVA "Metric Solar Radio Astronomy and Travelling Ionospheric Disturbances". Canadian Association of Physicists, Waterloo, Ontario, June, 1969.

JOHN, P.K. "A Comparison Between the Observed Time Dependency Of a  $\theta$  Pinch Neutron Emission and that Calculated From Simultaneous Light Scattering Measurements". American Physical Society, Miami Beach, Florida, November, 1968.



YOUNG, G.M. "Huronian Rocks of the Great Lakes Region". Field camp, University of Wyoming, Laramie, Wyoming, July, 1968.

YOUNG, G.M. "Stratigraphical and Sedimentological Comparison of Early Proterozoic Rocks of Southeast Wyoming and the Great Lakes Region". 15th Annual Institute on Lake Superior Geology Oshkosh, Wisconsin, May, 1969.

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KILLEEN, P.G. "Uranium Exploration with a Gamma-Ray Spectrometer in Blind River Area, Ontario". Second Annual Conference on Geophysics of the Utah Geophysical Society, Salt Lake City, Utah, March, 1969.

MANSINHA, L. "Earthquake and the Chandler Wobble". Geophysical Discussion of Royal Astronomical Society, London, Ontario, January, 1969.

SCHLOESSIN, H.H. "Influence of Surface States and of Strain on Phosphorescence and Thermoluminescence of Blue, Yellow and Green Fluorescent Diamond". Diamond Conference, Bristol, England, July, 1968.

Department of Mathematics

BLYTH, T.S. "Boolean Modules and Boolean Matrix Theory". University of Massachusetts, Amherst, Massachusetts, April, 1969.

HAQ, M.S. "Structural Analysis for the First Order Autoregressive Stochastic Process". Annual Meeting of the Institute of Mathematical Statistics, Madison, Wisconsin, August, 1968.

HAQ, M.S. "Structural Inference for the Linear Models with Autoregressive Error". Central Regional Meeting of the Institute of Mathematical Statistics, Iowa, April, 1969.

RITCEY, L.F.S. "Probability". Annual Meeting of the Western Branch of the Ontario Association of Teachers of Mathematics, London, Ontario, March, 1969.

VISWANATHAN, T.M. "Hahn Valuations and (locally) Compact Rings". Annual Meeting of the American Mathematical Society, New Orleans, Louisiana, January, 1969.

Department of Physics

BOW, Y.F. "Rotational Gyromagnetic Ratios of Deformed Nuclei". Indiana State University, Terre Haute, Indiana, October, 1968.

FORSYTH, P.A.  
and J. HOFSTEE "Ion-Acoustic Waves in the Auroral Plasma". Canadian Association of Physicists, Waterloo, Ontario, June, 1969.

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JOHN, P.K. "A Comparison Between the Observed Time Dependency Of a  $\theta$  Pinch Neutron Emission and that Calculated From Simultaneous Light Scattering Measurements". American Physical Society, Miami Beach, Florida, November, 1968.



- JOHN, P.K. "Application of High Power Lasers in Plasma Research". McMaster University, Hamilton, Ontario, June, 1969.
- MURTY, R.C. "Lightning Counter Studies of Thunderstorms". Chicago, Illinois, April, 1969.
- TONG, B.Y. "Electronic Structure of Ordered and Disordered Systems". Suny State University of New York, Buffalo, N.Y., April, 1969.
- Department of Zoology
- JUDD, W.W. "Insects from the Sphagnum Mat and Leaves of Sundew Drosera spp., In the Byron Bog". The University of Western Ontario, London, Ontario, February, 1969.
- KEENLEYSIDE, M.H.A. "Reproductive Isolation in Sunfish Species". Dalhousie University, Halifax, N.S., January, 1969.
- KEENLEYSIDE, M.H.A. "Reproductive Isolation in Sunfish Species". Biology Club, Brock University, St. Catharines, Ontario, March, 1969.
- KEENLEYSIDE, M.H.A. "Comparative Ultrastructure of a Mammalian and Invertebrate Heart". Iowa State University, Iowa, March, 1969.
- LADOCHY, C. "Transmission of Rabies Virus Among Mammalian Species". 23rd Session Biology Research UWO, London, Ontario, March, 1969.
- MACINNES, C.D. "Some Statistical Properties of Predation on Eggs". Department of Zoology, UWO, London, Ontario, November, 1968.
- MACINNES, C.D. "A Naturalist in Venezuela". Department of Zoology, UWO, London, Ontario, January, 1969.
- SHIVERS, R.R. "Comparative Ultrastructure of a Mammalian and an Invertebrate Heart". Department of Zoology, UWO, London, Ontario, March, 1969.
- STINSON, R.H. "Classification Games with Children". Ontario Education Research Council, December, 1968.

#### TALBOT COLLEGE

##### Department of Classics

- GERBER, D.E. "Two Lectures on Latin Metre", Latin Institute, Brock University, August, 1968.
- GERBER, D.E. "The Reading of Latin Poetry". Mid-western Ontario Classical Association, Waterloo University, March, 1969.
- HILL, D.E. "Quaestio Prosodiae". Ontario Classical Association, Waterloo University, October, 1968.
- MURISON, C.L. "The Peace of Callias - Yet Again!". Conference of Ancient Historians from Ontario and New York, McMaster University, May, 1969.

##### Department of Fine Art

- HART, W.S. "Landscape Composition Types". Western Art League, London, September, 1968.



- HART, W.S. "Late 18th Century Artists at Nootka Sound". Humanities Association, University of Guelph, February, 1969.
- URQUHART, A.M. "The Esthetics of Structure and Space". Graduate Seminar, Civil Engineering, UWO, London, February, 1969.
- Department of German
- SAMUEL, R.H. "Goethe and Novalis". Department of German Seminar, UWO London, Ontario, October, 1968.
- SAMUEL, R.H. "The Conservative Revolution in Germany (1920-1944)". Department of German Seminar, UWO, December, 1968.
- SAMUEL, R.H. "A Controversial Biography of J.W. Goethe". University of Guelph, November, 1968.
- SAMUEL, R.H. "Introduction to the German Sturm und Drang Movement". Queen's University, Kingston, Ontario, February, 1969.
- SAMUEL, R.H. "A Discussion Seminar on Heinrich von Kleist". University of Waterloo, February, 1969.
- SAMUEL, R.H. "The Form of Novalis' 'Fragmente' ". Cornell University, Ithaca, New York, April, 1969.
- SAMUEL, R.H. "Novalis' Novel 'Heinrich von Ofterdingen' ". University of North Carolina, Chapel Hill, North Carolina, April, 1969.
- SPENCER, H. "Heine's Influence on Nietzsche". Department of German Seminar, UWO, March, 1969.
- SPENCER, H. "Heine uber Borne". Interdepartmental Seminar, UWO, April, 1969.
- TRACY, G.L. "The Language of Nietzsche's Zarathustra". Graduate Seminar, Department of German, UWO, April, 1969.
- Department of History
- CORNWALL, P.G. "The Modernization Thesis in Historiography: The Case of Japan". History Conference, UWO, March, 1969.
- CORNWALL, P.G. "Modernization and the Imperial Japanese Navy". Canadian Historical Meeting, York University, June, 1969.
- DREYER, F.A. "Crime and Politics in 18th Century England". 18th Century Society, UWO, March, 1969.
- GUINSBURG, T.N. "The Relevance of the Past to the Present and vice versa: The Case of American History". Ontario Teachers of History, UWO, February, 1969.
- HILBORN, K.H.W. "Viet Nam and Southeast Asia". London United Services Institute, London, January, 1969.
- HILBORN, K.H.W. "Impact of Totalitarian Ideology on International Relations in the 20th Century". History Conference for High School Teachers, UWO, March, 1969.



- HITCHINS, F.H. "Full Circle", Seminar Group of Ontario High School History Teachers, UWO, February, 1969.
- HOFFMAN, D.S. "New Interpretations of Nazi History". History Conference, Althouse College of Education, London, UWO, February, 1969.
- MCLAUGHLIN, J.P. "Do Historians Sell Revolution?". Conference of Secondary School Teachers, UWO, February, 1969.
- OGELSBY, J.C.M. "Canada and the OAS". Canadian Institute of International Affairs, London, January, 1969.
- OGELSBY, J.C.M. "The Unrest in Mexico". WBEN-TV, Buffalo, New York, October, 1968.
- OGELSBY, J.C.M. "Chile and Peru in the 1960's". Canadian Forces Staff College, April, 1969.
- OGELSBY, J.C.M. "Long-term considerations that should guide Canadian Policy toward Latin America". Canadian Government Foreign Policy Review (Latin America) Meeting, March, 1969.
- OGELSBY, J.C.M. "Canadian Policy and Latin America: Influences and Resources". CIIA Annual Meeting, York University, June, 1969.
- RUUD, C.A. "The New Russian Imperial Censorship Reform of 1865". American Historical Association Meeting, New York, December, 1968.
- WADE, M. "Cultural Aspects of Interdependence". Canadian-American Seminar, University of Windsor, November, 1968.
- ZASLOW, M. "Past, Present and Future of Self-Government in Canada's Northwest Territories". 19th Alaskan Science Conference, Whitehorse, Yukon Territory, August, 1968.
- Department of Philosophy
- BINKLEY, R.W. "The Agent in Time". University of Toronto, January, 1969.
- BINKLEY, R.W. "The Agent in Time". University of Michigan, January, 1969.
- BINKLEY, R.W. "The Agent in Time". UWO, January, 1969.
- BINKLEY, R.W. "The Agent in Time". McMaster University, February, 1969.
- BINKLEY, R.W. "Modal Logic and Natural Necessity". Seminar, McMaster University, March, 1969.
- BLOCK, I. "Austin and the Cartesians", American Philosophical Association, Eastern Division, Washington, D.C., December, 1968.
- BUTTS, R.E. "Kant's Schemata as Semantical Rules". XIV International Congress of Philosophy, Vienna, September, 1968.
- BUTTS, R.E. "Kant's Schemata as Semantical Rules". Philosophy Colloquium, University of Illinois, Urbana, November, 1968.
- BUTTS, R.E. "The Elements of a Conceptual System - - a Kantian Approach". Buffalo Philosophy Colloquium, State University of New York, November, 1968.



- BUTTS, R.E. "Comment on Philip Peterson 'Theory and Meaning' ".  
Philosophical Association Meeting, York University, June, 1969.
- BUTTS, R.E. "Today's Society and its Institutions - A Philosopher's Viewpoint".  
Seminar for Senior Nursing Executives, UWO, June, 1969.
- CLARK, R. "In Any Event". University of Indiana, December, 1968.
- CLARK, R. "In Any Event". McMaster University, March, 1969.
- CLARK, R. "In Any Event". University of Rochester, April, 1969.
- CLARK, R. "Variations on a Theme by Stalnaker". Guelph-McMaster Seminar  
in the Philosophy of Science, March, 1969.
- FRIEDMAN, P.L. "On Fann on Wittgenstein". Canadian Philosophical Association,  
Toronto, June, 1969.
- JOHNSON, H.J. "Education for What?". Principal's Conference, Sarnia, November,  
1968.
- JOHNSON, H.J. "Education for What?". Ontario Department of Education  
Principal's Conference, UWO, July, 1968.
- JOHNSON, H.J. "Can Hart's Rationale for Legal Excuses Survive Determinism",  
(commentator on paper by D. Lyons). Canadian Philosophical  
Association, Toronto, June, 1969.
- MARRAS, A. "Beliefs About Existence". Department of Philosophy, UWO,  
October, 1968.
- MAYNARD, P. "Realism: Vision and Convention". University of Michigan,  
March, 1969.
- PAPPAS, G.S. "Comments on James King 'Moral Relevance' ". Canadian  
Philosophical Association, Toronto, June, 1969.
- WILLIAMS, M.E. "Paradox in Nietzsche's Thought". Canadian Philosophical  
Association, Toronto, June, 1969.
- Department of Political Science
- BEECROFT, E. Address, as Chairman to Canadian Council on "Urban and Regional  
Research". Ottawa, April, 1969.
- BEECROFT, E. "Urban Development Studies". Engineering Faculty Conference on  
Urban Development, UWO, October, 1968.
- BEECROFT, E. "The Role of the Professions in Environmental Policy-making",  
Air Pollution Control Association, London, May, 1969.
- BEECROFT, E. "The Role of the Professional in Community Development".  
Senior Seminar for Nursing Executives, UWO, June, 1969.
- BEECROFT, E. Symposium on "Canada's Environmental Resource Problems"  
Carleton University, March, 1969. (Ottawa Biological and Biochemical  
Survey)



- HRABIK, M.J. "The Czechoslovak Republican Party of Small-holders and Farms". Czechoslovak Society for the Arts and Sciences Congress, Georgetown University, Washington, D.C., September, 1968.
- KHANH, H.K. "The Application of the United Front Policy in the Vietnamese struggle for national emancipation". Canadian Political Science Association, Toronto, June, 1969.
- KHANH, H.K. "Structual Analysis of the Political Superstructure of South Vietnam". Council of Asian Studies, Boston, March, 1969.
- NOEL, S.J.R. "Academic Freedom, University Autonomy and Public Finance". Commission on the relations between Universities and Governments, UWO, London, January, 1969.

Department of Russian Studies

- NEUHAUSER, R. "'The Landlady' - A New Interpretation". 6th International Congress of Slavists, Prague, August, 1968.

**FACULTY OF MEDICINE**Department of Anatomy

- BUCK, ROBERT C. "Current Work on Centrioles, Chromosomes and Mitosis". Joint Symposium with Canadian Association of Anatomists and Canadian Society for Cell Biology, University of Alberta, June, 1969.
- HOSHINO, K. "Mitotic Abnormalities in Regenerating Mouse Mammary Isografts Pretreated with Dimethylbenzanthracene". Dimethylbenzanthracene Carcinogenesis. Workshop, Laval University, June, 1969.
- MONTEMURRO, D.G. "Inhibition of Hypothalamic Hyperphagia and Obesity in Mice by Diethylstilboestrol". Stresa Conference, Italy. Endocrine and Non-endocrine Functions of the Hypothalamus, May, 1969.
- MONTEMURRO, D.G. "Pituicytes in the Neurohypophysis of the Rat". Stresa Conference, Italy. Endocrine and Non-endocrine Functions of the Hypothalamus, May, 1969.

Department of Biophysics

- BURTON, ALAN C. "The mechanics of the red cell in relation to its carrier function". CIBA Foundation Symposium, London, England - July, 1968.
- BURTON, ALAN C. "The best way to carry O<sub>2</sub> to the tissues". Cardiovascular Research Institute, University of California Medical Centre, San Francisco, California. June, 1969.
- BURTON, ALAN C. International Conference on Biological Membranes, "On the stretching of pores in membranes". NATA Advanced Study Institute, Stresa, Italy, June, 1969.
- GROOM, ALAN C. "Arterial hematocrit and temporal separation of cells and plasma in skeletal muscle". 24th International Congress of Physiological Sciences, Washington, August, 1968.



- GROOM, ALAN C. "Gas transfer between tissues and blood". Symposium on the Physiology of Stress, Buffalo, New York, September, 1968.
- GROOM, ALAN C. and MISS J.C. ANDERSON "Sedimentation of human erythrocytes". 13th Annual Meeting of the Biophysical Society, Los Angeles, California. February - March, 1969.
- ROACH, MARGOT R. "Poststenotic Dilatation of Arteries". McGill University and Victoria Hospital, October, 1968.
- ROACH, MARGOT R. "Contraction of umbilical arteries". University of Oregon, Portland, November, 1968.

Department of Community Medicine  
Subdepartment of Epidemiology and Preventive Medicine

- BUCK, CAROL Workshop on the "Behavioral Sciences" at The University of Toronto, June, 1969.
- RAND, C.G. Panelist. "Seminar on Clinical Pharmacology Services", (given to Interns and Residents), Victoria Hospital, London, April, 1969.
- RAND, C.G. Panelist. "Seminar for Senior Nursing Executives". Victoria Hospital, London, June, 1969.

Department of Family Medicine

- MCWHINNEY, I.R. "The Family Physician as a Research Worker". College of Family Physicians, National Research Conference, UWO, London, January, 1969.

Department of Medical History

- PENDRILL, G.R. "The Information Needs of the Medical Profession and Future Staff Requirements of Medical Libraries: implications for the education and training of medical librarians". 3rd International Congress of Medical Librarianship, Amsterdam, May, 1969.
- RICHARDSON, R.A. "James Cowles Prichard's Contributions to the Theory of Race Formation." History of Science Society, Annual Meeting, Toronto, Ontario, December, 1967.

Department of Medicine

- BONDY, D.C. and W.K. COULTER "Gastric Absorption And Salicylate Induced G.I. Bleeding In Arthritis". Royal College of Physicians and Surgeons (Regional Meeting), Windsor, November, 1968.
- BONDY, D.C. "Fecal Fat Analysis And Medium Chain Triglycerides". Canadian Association of Gastroenterology, Vancouver, January, 1969.
- HARTH, M. and D.C. BONDY "Indomethacin And Acetylsalicylic Acid In The Treatment Of Osteoarthritis Of The Hips And Knees". Canadian Rheumatism Society (Annual Meeting), Toronto, June, 1969.
- LIN, C.H. and J. JATO-RODRIGUEZ and A.J. HUDSON and K.P. STRICKLAND "Fatty Acid Oxidation In Mitochondria From Normal And Dystropic Skeletal Muscle Of The Mouse (Strain 129)". Canadian Federation of Biological Societies (Twelfth Annual Meeting), Edmonton, June, 1969.



- BOUGHNER, D.R.  
and M.R. ROACH      "The Effect Of Vibration On Arteries". Canadian Federation of Biological Societies Meeting, Edmonton, June, 1969.
- CHOLOD, E.J.  
and M.D. HAUST  
and A.J. HUDSON      "Clinical And Morphological Studies In Primary Hyperparathyroid Myopathy Occurring In Two Siblings". Fourth Canadian Congress of Neurological Sciences, Montreal, June, 1969.
- FERGUSON, G.G.  
and M.R. ROACH      "The Role Of Hemodynamics In The Pathogenesis Of Intracranial Aneurysms". Royal College of Physicians and Surgeons Annual Meeting, Vancouver, January, 1969.
- KIMBER, R.W.  
and M.S. FAROOKI      "Ferrokinesis And Erythrocyte Life Span In Uremia And Renal Allo-Transplantation". The American Society of Nephrology, Washington, November, 1968.
- LEFCOE, N.M.  
and S. HUQ      "Pharmacology Of Bronchial Smooth Muscle - The Effects Of Dexamethasone". Ontario Thoracic Society Annual Meeting, Toronto, October, 1968.
- LEFCOE, M.N.      "Report Of Survey In The Polyurethane Foam Industry". Royal College of Physicians and Surgeons Annual Meeting, Vancouver, January, 1969.
- LEFCOE, N.M.  
and E.J. O'BRIEN      "Respiratory Units In Ontario". Canadian Tuberculosis and Respiratory Disease Association. St. Johns, Newfoundland, June, 1969.
- ROACH, M.R.  
and C. COLTHART  
and W. BETTS      "Oxygen Consumption Of Isolated Human Umbilical Arteries". Canadian Federation of Biological Societies Meeting, Edmonton, June, 1969.
- STILLER, C.R.  
and R.W. KIMBER      "A Study Of A Family With Familial Nephritis". Royal College of Physicians and Surgeons Regional Meeting, Windsor, November, 1968.
- STILLER, C.R.  
and R.W. KIMBER  
and A.C. WALLACE  
and J.L. PENISTAN  
and A.H. NEUFELD      "A Syndrome Of Hereditary Neurosensory Deafness, Nephritis And Non-Obstructive Pulmonary Disease". Canadian Federation of Biological Societies Meeting, Edmonton, June, 1969.
- STUART, R.K.  
and V.J. REAM  
and D.P. THOMAS      "Platelet Aggregation And Bleeding In Cirrhosis Of The Liver". Clin. Res. 16: 314, 1968.
- WILCOX, L.D.      "Spleen Effluent Manipulations. Some Biological Possibilities". Canadian Society for Clinical Investigation Annual Meeting, Vancouver, January, 1969.

Department of Obstetrics and Gynaecology

- ARMSTRONG, D.T.      "Luteotropic roles of Prolactin and Luteinizing Hormone in the Rat". Proceedings 111 International Congress Endocrinology, Mexico City, July, 1968.
- ARMSTRONG, D.T.  
and P.L. KEYES      "Endocrine Role of Follicles in the Regulation of Corpus Luteum Function in the Rabbit". Excerpta Medica, International Congress Series No. 158: 84, July, 1968.
- ARMSTRONG, D.T.  
and H.R. BEHRMAN  
and G.J. GOLDSMITH  
and L.V. SANDERSON      "Control of lipid storage in rat lutein tissue by prolactin and luteinizing hormones". Excerpta Medica, International Congress Series No. 157: 202, July, 1968.



- COLLINS, J. "Adenocarcinoma of the Cervix". Royal College of Physicians and Surgeons, Windsor, Ontario, November, 1968.
- EFFER, S.B. "Modern Advances in Fetal Monitoring". Hamilton Academy of Medicine, Hamilton, September, 1968.
- EFFER, S.B. "Management of High Risk Pregnancy". Annual Refresher Course, Department of Obstetrics and Gynaecology, McMaster University, October, 1968.
- EFFER, S.B. "Prevention of Fetal Loss During Labour". Refresher Day - Department of Obstetrics and Gynaecology, UWO, London, November, 1968.
- EFFER, S.B. "Fetal Monitoring - Current Status". Royal College of Physicians and Surgeons' Regional Meeting, Member of Panel, Windsor, Ontario, November, 1968.
- EFFER, S.B. "Studies of the Rhythm of Uterine Contraction". Latin American Association of Reproductive Physiology. Biannual Meeting, Bahia, Brazil, September, 1968.
- HARDING, P.G. "Chronic Placental Insufficiency". District V, American College of Obstetricians and Gynaecologists, Detroit, September, 1969.
- HARDING, P.G.  
and ANN SPENCE "The Significance of Creatinine Clearance in Assessing Feto-placental Function". Canadian Society of Obstetricians and Gynaecologists, Toronto, June, 1969.
- PLUNKETT, E.R. "Mechanism of Ovulation in the Human". American Fertility Society, Miami, April, 1969.
- PLUNKETT, E.R. "Ovulation Induction". American Fertility Society, Miami, April, 1969.
- PLUNKETT, E.R. "Ovarian Failure". Kansas City Gynaecological Society, Kansas, May, 1969.
- PLUNKETT, E.R. "Functional Uterine Bleeding". St. Joseph's Hospital, Hamilton, Ontario, Quarterly Staff Meeting, March, 1969.
- PLUNKETT, E.R. "Endocrine Investigation of Infertility". Canadian Society for Study of Fertility, Toronto, June, 1969.
- PLUNKETT, E.R. "Anovulatory Syndromes". Canadian Medical Association, Toronto, June, 1969.
- PLUNKETT, E.R. "Newer Aspects of Reproductive Physiology". Oakland University, Michigan, November, 1968.
- PLUNKETT, E.R. "Thyroid Function Tests in Obstetrics and Gynaecology". Regina General Hospital Clinical Teaching Program, November, 1969.
- WALTERS, J.H. "Prospective Study of the Maturation Index and the Maturation Value In Pregnancy". International Congress of Cytology, Rio de Janeiro, May, 1968.
- WALTERS, J.H. "Combined Obstetrical-Paediatric Intensive Care Unit for High Risk Pregnancy". American College of Obstetricians and Gynaecologists, Florida, May, 1969.



WALTERS, J.H. "Requirements for Medical Facilities - Role of Institutions Providing Medical Care". First International Socio-Economic Conference, World Medical Association, 23rd Assembly, Paris, June, 1969.

WALTERS, J.H. "Ten Years Experience with Routine In-Hospital Cytology Screening". Canadian Society of Laboratory Technicians, Annual National Conference. Toronto, June, 1969.

Department of Pharmacology

BALL, A.J.S. "Control of mitochondriogenesis". 12th Annual Meeting, Canadian Federation of Biological Societies, University of Alberta, June, 1969.

STILLER, C.R. "A syndrome of hereditary neurosensory deafness, nephritis and non-obstructive pulmonary disease". 12th Annual Meeting, Canadian Federation of Biological Societies, University of Alberta, June, 1969.

STILLER, C.R. "A study of a family with familial nephritis". Regional Meeting, Royal College of Physicians and Surgeons of Canada, Windsor, November, 1968.

TUSTANOFF, E.R. "Effect of D(-) and L(+) Threo-chloramphenicol on nucleotide and related respiratory activities in yeast undergoing metabolic repression and de-repression". Department of Molecular Biology, University of Warwick, Coventry, England, April, 1969.

TUSTANOFF, E.R. "Control of mitochondriogenesis in Saccharomyces cerevisiae". University of Sheffield, Sheffield, England, Department of Biochemistry, April, 1969.

Department of Pathology

GARDNER, D.G. "Tumours and Tumour-Like Lesions of the Oral Soft Tissues". Kent County Dental Society, Chatham, Ontario, February, 1969.

GARDNER, D.G. "Tumours and Tumour-Like Lesions of the Oral Soft Tissues". Brockville Dental Society, Brockville, Ontario, May, 1969.

GARDNER, D.G. "Pitfalls in diagnosis". Brockville Dental Society, Brockville, Ontario, May, 1969.

GARDNER, D.G. "Cysts of the Oral Regions". Brockville Dental Society, Brockville, Ontario, May, 1969.

HAUST, M. DARIA "Gross and Microscopic Examination of Placenta". International Academy of Pathology Postgraduate Refresher Course, San Francisco, California, March, 1969.

HAUST, M. DARIA "Problems in Paediatric Pathology". International Academy of Pathology (Annual Meeting), (Moderator and Panelist), San Francisco, California, March, 1969.

HAUST, M. DARIA (Visiting Lecturer to participate in the Integrated Teaching Program). "Molecular Pathology of Atherosclerosis". (Myocardial Diseases), McGill University, Montreal, Quebec, March, 1969.

HAUST, M. DARIA (Visiting Lecturer to participate in the Integrated Teaching Program). "Etiology and Pathogenesis of Atherosclerosis". (Myocardial Diseases), McGill University, Montreal, Quebec, March, 1969.



- HAUST, M. DARIA "Lecturer on the subject of Atherosclerosis". Montreal, Quebec. Department of Pathology, McGill University, Montreal, April, 1969.
- WALLACE, A.C. "Studies on a Case of Progeria". 7th International Congress of the International Academy of Pathology, Milan, Italy, September, 1968.
- WALLACE, A.C. "The Occurrence of Fibrin in Tumors". Department of Anatomy, University of Toronto, Toronto, Ontario, December, 1968.
- WARREN, B.A. "The morphology of the platelet aggregate with and without the formation of fibrin". University of Nebraska College of Medicine, The Eppley Institute for Research in Cancer, University of Nebraska College of Medicine, Omaha, Nebraska, March, 1969.

Department of Pharmacology

- GOWDEY, C.W. "Rational Drug Prescribing". London and District Dental Society, London, Ontario, March, 1969.
- GOWDEY, C.W. "Rational Drug Prescribing". (Conference for Secondary School Teachers of Athletics), London Board of Education; Westminster School, March, 1969.
- PHILP, R.B. "Platelets as an etiological factor in experimental decompression sickness". Puget Sound Symposium on Physiological Problems of Man-in-the-Sea, August, 1968.

Department of Physiology

- ALLCOCK, J.M. "Cerebral Aneurysm, The Rule of Arterial Spasm". The Cushing Society, Cleveland, Ohio, April, 1969.
- JOHNSTON, E.E. "Radiology Diagnostic Coding". Canadian Association of Radiological Annual Meeting, Vancouver, B.C., March, 1969.
- MOGENSON, GORDON J. "Studies on Self-Stimulation and Drinking". XXIV International Congress of Physiological Sciences, Washington, D.C., August, 1968.
- MOGENSON, GORDON J. "Some observations of drinking from electrical stimulation of the hypothalamus". III International Conference on the Regulation of Food and Water Intake, Haverford, Pennsylvania, September, 1968.
- MOGENSON, GORDON J.  
and T. WISHART  
and L. BROHMAN "Effects of lesions of the hippocampus and septum on hoarding behavior". Psychonomic Society, St. Louis, October, 1968.
- MOGENSON, GORDON J. "Specific shifts in induced motivated behavior produced by drugs". Eastern Psychological Association, Philadelphia, April, 1969.
- MOGENSON, GORDON J.  
and R. MACLACHLAN  
and T. WISHART  
and J.A.F. STEVENSON "Effects of sodium phenobarbital on water intake of rats with lesions of the ventromedial-medial hypothalamus or septum". Federation of American Societies for Experimental Biology, Atlantic City, April, 1969.
- MOGENSON, GORDON J.  
and J. MILLER "An electrophysiological study of septal-hypothalamic relationships". Canadian Federation of Biological Societies, Edmonton, June, 1969.



- MOGENSON, GORDON J. "Sensory factors in self-stimulation". Symposium, Canadian Psychological Association, June, 1969.
- MOGENSON, GORDON J. "Motivated behavior elicited by hypothalamic stimulation". Invited lecture, University of Kansas, December, 1968.
- MOGENSON, GORDON J. "Elicited species-typical behavior and the neural mechanisms of motivation". Colloquium, McGill University, Montreal, January, 1969.
- REID-SMITH, E.A.M. "The Use of Sorbitol in the Investigation of Motility of the Small Bowel". Canadian Association of Radiologists Annual Meeting, Vancouver, B.C., March, 1969.
- STEVENSON, JAMES A.F. "The Control of Water Intake". XXIV International Congress of Physiological Sciences, Washington, D.C., August, 1968.
- STEVENSON, JAMES A.F. "Thirst - Control of Water Intake". University of Florida, March, 1969.
- Department of Surgery
- CARROLL, S.E.  
and GARY FISHER "Subclavian Steal". Westminster Hospital Staff Meeting, May, 1969.
- CARROLL, S.E.  
and GARY FISHER "Thrombectomy". Canadian Cardiovascular Society, Vancouver, November, 1968.
- CARROLL, S.E. "Mediastinoscopy". Regional Meeting Royal College, Windsor, Ontario, November, 1968.
- COLES, J.C. "Current status of valve replacements". Royal College of Surgeons Regional Meeting, Windsor, November, 1968.
- COLES, J.C. "Current Concepts in Coronary Heart Disease". American College of Cardiology, London, Ontario, May, 1969.
- GERGELY, N. "The Effect of Irradiation on Heterotopic Cardiac Transplant". Presented to the Second International Congress of the Transplantation Society, New York City, September, 1968.
- GERGELY, N. "The Effect of Radiation on Intact Myocardium and on Cardiac Allograft". Presented to the 21st Annual Meeting of the Canadian Cardiovascular Society, Vancouver, B.C., November, 1968.
- HAYMAN, PHILIP  
and L.N. MCANINCH  
and J.K. WYATT  
and J.L. FALES "Vesicoureteral Reflux; a Review". Lake Placid, N.Y., September, 1968.
- HAYMAN, PHILIP "Vesicoureteral Reflux; a Review". Northeastern Section of the American Urological Association, the Royal College of Physicians and Surgeons, Vancouver, January, 1969.
- HAYMAN, PHILIP "Vesicoureteral Reflux; a Review". Urological Section of the Ontario Medical Association, Toronto, May, 1969.



- KENNEDY, J.C. "The Problems of Medial Instability of the Knee". The Western Pacific Orthopaedic Association, Hong Kong.
- KENNEDY, J.C. "Fractures of the Middle Shaft of the Tibia". Panel Discussion.
- KENNEDY, J.C. "Osteochondral Fractures: Their Diagnosis and Treatment". The Malaysian Orthopaedic Association Kuala Lumpur, Malaysia.
- KENNEDY, J.C. "The Posterior Cruciate Ligament". Third Annual Congress of the Singapore Orthopaedic Association, Singapore.
- KENNEDY, J.C. "A Mechanical Evaluation of Knee Joint Instability". The Australian Orthopaedic Association, Melbourne, Australia.
- KENNEDY, J.C. "The Diagnosis and Treatment of Acute Ligamentous Injuries about the Knee Joint". The American Academy - Subsection on Sports Injuries, Buffalo, New York.
- KENNEDY, J.C. "The Canadian Orthopaedic Association and the Royal College of Physicians and Surgeons of Canada". Canadian Orthopaedic Association, Presidential Address, Hamilton.
- MCCREDIE, J.A. "Effect of Single Dose Local Radiotherapy on Allogeneic Skin Graft Rejection in the Mouse". The Royal College of Physicians and Surgeons Annual Meeting in Vancouver, B.C., January, 1969.
- MCCREDIE, J.A. "Reactions of the Carcinogen, N-Methyl-N<sup>1</sup>-nitro-N-nitrosoguanidine (MNNG) with the Human Erythrocyte Membrane". Cell Biology - Biophysics Midwest Meeting in Chicago, Illinois, March, 1969.
- MCCREDIE, J.A. "Effect of Time of Inhalation Before X-radiation of 95% Oxygen and 5% Carbon Dioxide on Cure of the Syngeneic Mammary Tumor in Mice". 17th Annual Meeting of the Radiation Research Society in Cincinnati, Ohio, May, 1969.
- MCLACHLIN, A.D. "Surgery in Africa". Ohio Chapter, American College of Surgeons, Youngstown, Ohio, September, 1968.
- MCLACHLIN, A.D. "The Patient with Multiple Injuries". Woodstock Medical Association, October, 1968.
- MCLACHLIN, A.D. "Gradulomatous Disease of the Intestine". Windsor, South Western Ontario Surgical Association, and Sectional Meeting of the Royal College of Physicians and Surgeons, November, 1968.
- MCLACHLIN, A.D. "Ulcerative Lesions of the Small and Large Intestine". Windsor, South Western Ontario Surgical Association, and Sectional Meeting of the Royal College of Physicians and Surgeons, November, 1968.



- MCLACHLIN, A.D. "Panel on Post-operative Complications". Royal College of Physicians and Surgeons, Vancouver, January, 1969.
- MCLACHLIN, A.D. "Primary Closure of Perineal Incision after Abdominal Perineal Excision of Rectum". Royal College of Physicians and Surgeons, Vancouver, January, 1969.
- MCLACHLIN, A.D. "Primary Closure of Perineal Excision after Abdominoperineal Excision of Rectum". Sectional Meeting of the American College of Surgeons, Louisville, Kentucky, February, 1969.
- MCLACHLIN, A.D. "Surgery in New University Hospital". Stratford Hospital Trust, April, 1969.
- MCLACHLIN, A.D. "Thrombectomy for Ileo Femoral Thrombosis". (Discussion Paper). American Surgical Association, Cincinnati, April-May, 1969.
- MCLACHLIN, A.D. "Cholecystostomy". Ontario Medical Association, Toronto, May, 1969.
- MCLACHLIN, A.D. "Venous Thrombosis and Pulmonary Embolism". Sectional Meeting, Royal College of Physicians and Surgeons, Lakehead, May, 1969.
- MCLACHLIN, A.D. "Management of Duodenal Ulcer". Sectional Meeting, Royal College of Physicians and Surgeons, Lakehead, May, 1969.
- PASSI, R.B. "Pathophysiologic Mechanisms of Shock in Acute Gastric Dilatations". Sectional Meeting of Royal College of Physicians and Surgeons of Canada, November, 1968.
- PASSI, R.B. "Stress Ulceration". College of General Practice, Windsor, November, 1968.
- FACULTY OF NURSING**
- GRIFFIN, A.E. "Identification of Clinical Research Nursing Problems". Canadian Nurses' Association Biennial Convention, Saskatoon, Saskatchewan, July, 1968.
- HORN, E. "Basic Baccalaureate Nursing Programs". Registered Nurses' Association of Ontario Conference for Nurses in Public Health Nursing, Geneva Park, Lake Couchiching, March, 1969.
- STEWART, D. "Trends in Nursing Service". The Committee for Continuing Education for Professional Nurses Workshop, 'Trends in Nursing Education and Service', March, 1969.
- STEWART, D. Panel Moderator, "To explore the shared commitment of nursing education and nursing service to supply a high quality of nursing care as a service to the community". Victoria Hospital, London, April, 1969.
- WOOD, V. "Tests and Measurements: A Frame of Reference". Canadian Nurses' Association Biennial Convention, Saskatoon, Saskatchewan, July, 1968.



## FACULTY OF ENGINEERING SCIENCE

- BAKER, C.G.J.                    "Molten Salts". University of Rhode Island, Kingston, Rhode Island, February, 1969.
- DAVENPORT, A.G.                "The Buffeting of Structures in Storm Winds". American Meteorological Society Conference on Atmospheric Turbulence, Boston, September, 1968.
- DAVENPORT, A.G.                "The Design of Multi-story Buildings". 8th Congress International Association of Bridge and Structural Engineering, New York, New York, September, 1968.
- DAVENPORT, A.G.                "Comparison of Statistical Aspects of Wind and Earthquake Loadings". ASCE Annual Meeting and National Meeting on Structural Engineering, Pittsburg, Penn., October, 1968.
- DAVENPORT, A.G.                "Earthquake Probability". 4th World Conference on Earthquake Engineering, Santiago, Chile, January, 1969.
- DAVENPORT, A.G.                "Recent Advances in Design Procedures and Current Deficiencies". (Sponsored by National Bureau of Standards and Environmental Science Services Administration), Technical Meeting Concerning Wind Loads on Building Structures, Gaithersburg, Maryland, January, 1969.
- DAVENPORT, A.G.                "New Approaches to the Design of Structures Against Wind Action". Canadian Structural Engineering Conference, Toronto, Ontario, February, 1969.
- DAVENPORT, A.G.                "Earthquake Probability". National Science Foundation, Earthquake Engineering Conference, Berkeley, California, March, 1969.
- DAVENPORT, A.G.                "Structural Safety and Reliability Under Wind Action". International Conference on Structural Safety and Reliability, Washington, D.C., April, 1969.
- DAVENPORT, A.G.                "New Approaches to Wind Tunnel Modelling of Structures". Louisville National Structural Engineering Meeting - Structura '69, Louisville, Kentucky, April, 1969.
- DAVENPORT, A.G.                "Statistical Concepts of Wind Loading". IASS Working Committee for Tower Shaped Structures, The Hague, Netherlands, April, 1969.
- INCULET, I.I.                    "Electrostatic Beneficiation of Coal in Fluidized Beds". Paper to Symposium of the Quebec City Coal Research Committee, Quebec, Quebec, September, 1968.
- INCULET, I.I.                    "Air Pollution within the Problems of Urbanization". Address at the First Western Engineering Conference, London, Ontario, October, 1968.
- INCULET, I.I.                    "Air Pollution". Meeting of the Algoma Engineers Association, at Sault Ste. Marie, Ontario, March, 1969.
- INCULET, I.I.                    "Environmental Engineering Program at Western". Address to the Ontario Institute of Apologists, London, Ontario, March, 1969.
- NOVAK, M.                        "Aeroelastic Instability of Prisms in Turbulent Streams". International Congress of Applied Mechanics, Stanford University, Stanford, California, August, 1968.



- NOVAK, M. "The Wind-Induced Vibrations of Large Cylindrical Structures". The Eighth Congress of the International Association for Bridge and Structural Engineering, New York, September, 1968.
- NOVAK, M. "Oscillations of Large Cylindrical Structures in Wind". Seminar at the University of Toronto, Toronto, Ontario, December, 1968.
- NOVAK, M. "Aeroelastic Instability of Prismatic Bodies". Meeting of International Association for Shell Structures, The Hague, Netherlands, April, 1969.
- QUIGLEY, R.M. "Degraded Clay Minerals in Post Talbot Stratigraphic Sequence". Department of Geology, The University of Western Ontario, London, Ontario, November, 1968.
- QUIGLEY, R.M. "Slope Stability and Geomorphology". Department of Geography, The University of Western Ontario, London, Ontario, December, 1968.
- QUIGLEY, R.M. "Geology in Civil Engineering Practice". Department of Civil Engineering, The University of Western Ontario, London, Ontario, January, 1969.
- QUIGLEY, R.M. "Geology and Engineering". Public Lecture Series in Geology and Man, Carleton University, Ottawa, Ontario, February, 1969.
- QUIGLEY, R.M. "Geology Control on Groundwater Sulphate". Given in French to Department of Civil Engineering, University of Sherbrooke, Sherbrooke, Quebec, February, 1969.
- ROY, C. "Stress Distribution in Oxidizing Strips of Zirconium Alloys at 500 C.". Chalk River Nuclear Laboratories, Chalk River, Ontario, May, 1969.
- SHEASBY, J.S. "The Oxidation of Niobium in the Temperature Range 450 - 720° C.". A.I.M.E. Annual Meeting, Washington, February, 1969.
- SWARTMAN, R.K. "Solar Heat Storage and Applications". (Member of Panel of four). Winter Annual Meeting of ASNE, New York, New York, December, 1968.
- VICKERY, B.J. "Wind Loads on Tall Stacks". Paper to the American Meteorological Society Conference on Atmospheric Turbulence, Boston, Massachusetts, September, 1968.
- VICKERY, B.J. "On the Reliability of Gust Loading Factors". Paper to a Technical Meeting Concerning Wind Loads on Buildings and Structures, National Bureau of Standards, Washington, D.C., January, 1969.
- VICKERY, B.J. "Pressure Measurements on a Truncated Cone in Turbulent Shear Flow". Paper to the Commonwealth Advisory Aeronautical Research Council at Teddington, United Kingdom, March, 1969.

#### SCHOOL OF BUSINESS ADMINISTRATION

- ARCHIBALD, T.R.  
and GEORGE SORTER "Stock Market Reaction to Different Accounting Practices". Association of Canadian Schools of Business, Toronto, York University, June, 1969.



- BRITNEY, R.R.  
and R.L. WINKLER "Bayesian Point Estimation under various Loss Functions". American Statistical Association, Pittsburgh, Pa., August, 1968.
- FRANKIEL, H.H. "Sensitivity Training and Its Application to Organization". Children's Psychiatric Research Institute Conference, London, June, 1969.
- FRANKIEL, H.H. Discussant of a Series of Studies on Conflict Resolution in Organizations. Association of Canadian Schools of Business, Annual Conference, Toronto, June, 1969.
- GORDON, J.R.M. "Linear Programming in Production". American Institute of Industrial Engineers, London, November, 1968.
- GORDON, J.R.M. "Computer As a Manufacturing Tool". Canadian Association of Production and Inventory Control, London, May, 1969.
- KUECHLE, D. "Commentary on Woods and Rand Report". Peterborough Personnel Association, Trent University, Peterborough, Ontario, June, 1969.
- KUECHLE, D. "Industrial Relations in the Future". Business Conference, University of Western Ontario, London, May, 1969.
- KUECHLE, D. "Effect of Automation on Labor Relations". Canadian Industrial Management Association, London, Ontario, March, 1969.
- KUECHLE, D. "Labor Relations in the 1970's". American Institute of Industrial Engineers, Western Ontario Chapter, London, Ontario, January, 1969.
- KUECHLE, D. "Motivation in Modern Industrial Relations". Master Brewers Association of Ontario, London, September and November, 1968.
- LEIGHTON, D.S.R. "The Role of the Canadian Consumer Council". American Marketing Association, Montreal, February, 1969.
- LEIGHTON, D.S.R. "The Role of the Canadian Consumer Council". American Marketing Association, Quebec City Chapter, Quebec, P.Q., February, 1969.
- LEIGHTON, D.S.R. "The Role of the Canadian Consumer Council". National Dairy Council, Annual Meeting, Montebello, P.Q., April, 1969.
- NOURSE, R.E.M. "New Products, Marketing and Agri-business". Canadian Agri-marketing Association, Annual Meeting, Toronto, March, 1969.
- SHAW, D.C. "The cost of Going Public in Canada". Association of Canadian Schools of Business, York University, Toronto, June, 1969.
- SPROULE, R.E. "Human Relations Systems". Northern conference of Data Processing Management Association, North Bay, Ontario, February, 1969.
- THAIN, D.H. "Role of Government in the Organizational Structure of Agriculture". Federal Government Congress, Ottawa, March, 1969.
- THAIN, D.H. "Problems of Canadian Agriculture". Agricultural Economics Association of Canada, Ottawa, January, 1969.



- WASHINGTON, J.B. "An Approach to a First Course in Accounting". Canadian Region, American Accounting Association, Toronto, York University, June, 1969.
- WETTLAUFER, J.J. "Labor - Management Relations: A Look Ahead". Canadian Paper Box Manufacturers Association, Fifty-Third Annual Convention, Mackinac Island, September, 1968.
- WETTLAUFER, J.J. "Another Look at the Behavioral Sciences". (Panel discussion). The Personnel Association of Toronto Annual Spring Conference, Toronto, April, 1969.
- WETTLAUFER, J.J. "Organized Labor and The Future". IBM Executive Program, Sands Point, Port Washington, New York, May, 1969.
- WETTLAUFER, J.J. "Education and The Marketing Manager". Marketing Seminar, Canadian Daily Newspaper Publishers Association, Toronto, April, 1969.
- WOOD, A. "Research and Development Productivity". Managers of Research and Development from the Rio Tinto World Operations, Toronto, June, 1969.

#### SCHOOL OF LIBRARY AND INFORMATION SCIENCE

- OSBORN, A.D. "An Unknown Chapter in Library of Congress History". Kansas State Teachers College, April, 1969.
- PENDRILL, G.R. "The Information Needs of the Medical Profession and Future Staff Requirements of Medical Libraries: implications for the education and training of medical librarians". 3rd International Congress of Medical Librarianship, Amsterdam, May, 1969.

#### ALTHOUSE COLLEGE OF EDUCATION

- IRVINE, S.H. "Contributions of Ability and Attainment Testing in Africa to a General Theory of Intellect". (Chairman on the International Education Committee). Eugenics Society, London, England, September, 1968.

#### KING'S COLLEGE

- CRUNICAN, P.E. "Bishop Lafleche and the Mandement of 1896". The Canadian Historical Association, York University, June, 1969.



APPENDIX D  
SCHEDULE OF RESEARCH FUNDS  
FOR THE YEAR ENDED JUNE 30, 1969



**SCHEDULE OF RESEARCH GRANTS  
FOR THE YEAR ENDED JUNE 30, 1969**

FACULTY OF ARTS AND SCIENCE

<u>Grantee</u>	<u>Granting Agency</u>	<u>Description of Project</u>
<u>Applied Mathematics</u>		
J.H. Blackwell	National Research Council	Hydrodynamic and hydromagnetic boundary value problems.
A.S. Deakin	National Research Council	Asymptotic solutions in wave propagation.
S.C.R. Dennis	National Research Council	Numerical Solutions of the Navier-Stokes Equations.
J.B. Ehrman	National Research Council	Attempt to express solutions of a dispersive system of partial differential equations in terms of stationary solutions.
E. Lewis	Defence Research Board	Numerical solutions of three-dimensional boundary layer equations.
E. Lewis	National Research Council	Numerical solution of three-dimensional boundary layer equations.
T.M. Luke	National Research Council	Extended Lee models.
P.W. Manuel	National Research Council	Magnetohydrodynamic problems of astrophysical interest.
D.R. Miller	Defence Research Board Department of University Affairs	Numerical solutions in fluid mechanics. Research on convection cells in fluids.
M.A. Nerenberg	National Research Council	Excited states of free ions and atoms, and of ions in a crystal field.
P.W. Norey	National Research Council	Dynamics of a dusty gas.
I.A. Sakmar	National Research Council	Regge crossing and differential cross sections.
J.D. Talman	National Research Council	Investigations in the quantum mechanics of many particle systems and the scattering of light from atoms.
<u>Astronomy</u>		
D.F. Gray	Department of University Affairs National Research Council	Stellar absorption line profiles. Photoelectric photometer. Stellar Atmospheres.
J.M. Marlborough	National Research Council	The envelopes of be stars.
R. Mitalas	National Research Council	Stellar structure and evolution.



<u>Grantee</u>	<u>Granting Agency</u>	<u>Description of Project</u>
<u>Astronomy</u>		
W.H. Wehlau	National Research Council National Research Council Energy, Mines & Resources	Equipment Grant. Equipment Grant. To supply refrigeration to the Photo-multiplier being designed for the photometry of faint stars.
	Energy, Mines & Resources National Research Council Department of University Affairs	Purchase of a grating. Astronomical research. A study of very low dispersion objective prism spectra, and Associated Photometry.
<u>Botany</u>		
C.E. Caten	National Research Council	Genetical studies on wild populations of Fungi.
P.B. Cavers	Department of Agriculture - Canada National Research Council Department of University Affairs	The comparative biology of closely related weed species. The biology of weeds. The ecology of weeds and of plants growing on unstable gravel banks in southwestern Ontario.
	Canadian National Sportsmen's Show	The study of the ecology of a number of plant species growing along the banks of rivers and streams in south-western Ontario.
F.S. Cook	National Research Council	Physiological studies of the pollen of Zea mays L.
B.G. Cumming	National Research Council National Research Council National Research Council National Research Council	Equipment Grant. Equipment Grant. Equipment Grant. Rhythmic processes and the control of germination, growth and flowering.
A.W. Day	National Research Council	The Parasexual cycle in ustilago violacea.
Dianne Fahselt	National Research Council	Analysis of secondary plant substances in Dicentra.
R.I. Greyson	National Research Council Department of University Affairs	Experimental studies on flower development. Microscopic Analysis of flower development.
C.J. Hickman	National Research Council National Research Council	Fellowship for P.S. Ramakrishnan. Studies of the biology of plant pathogenic fungi, particularly phycomycetes.
R.C. Jancey	National Research Council	Numerical techniques in plant taxonomy.
W.E. McKeen	National Research Council	Ultrastructure and host-parasite studies.
D. McLarty	Canadian National Sportmen's Show	To promote Algae Studies.



<u>Grantee</u>	<u>Granting Agency</u>	<u>Description of Project</u>
<u>Botany</u>		
L. Orloci	National Research Council	Ecological informativeness of quantitative analyses: studies in ordination, classification and pattern analysis.
J.B. Phipps	National Research Council	Evolution of genera in Arundinelleae.
R.D. Van Huystee	Department of University Affairs National Research Council	Nucleic acid metabolism in plants. Irradiation effect on ribo nucleic acids.
D.B. Walden	National Research Council	Cytogenetic Studies in Zea mays L.
A.M. Wellman	National Research Council	Growth of fungi before and after cryogenic storage.
D.G. Wilson	Department of University Affairs	An investigation of the organic acids in succulent plants.
<u>Chemistry</u>		
N.C. Baird	National Research Council	Molecular orbital theories and calculations for covalently-bonded molecules.
H.W. Baldwin	National Research Council	Oxygen 18 exchange between solvent water and aquo ions.
D.R. Bidinosti	National Research Council National Research Council  U.S. Air Force Office of Scientific Research	Equipment Grant. Electron-impact and high-temperature studies by mass spectrometry. Some Thermochemical Studies by Mass Spectrometry.
J.C.D. Brand	National Research Council	Electronic spectra of polyatomic molecules.
R.K.C. Chan	National Research Council Ontario Hydro  National Research Council	Equipment Grant. Study of Limestone/Sulphur Dioxide reaction. Physico-chemical effects of pressure.
H.C. Clark	North Atlantic Treaty Organization American Chemical Society  Imperial Oil Ltd. Dupont of Canada Limited National Research Council National Research Council National Research Council National Research Council  National Research Council	Aspects of the organo-metallic chemistry of germanium tin and lead. The Activity of Olefins towards Metal-Metal Bonds. Chemical research. Chemical research. Equipment Grant. Equipment Grant. Equipment Grant. Science Scholarship awarded to Mr. Walter J. Cherwinski. Studies of Organometallic and Co-ordination Compounds.
P. De Mayo	American Chemical Society Bristol Laboratories Dow Chemical Limited Ford Motor Company of Canada	Flash Thermolysis. Chemical Research. Chemical Research. Post-Doctoral Fellowship for Dr. Westfelt.



<u>Grantee</u>	<u>Granting Agency</u>	<u>Description of Project</u>
P. De Mayo	National Research Council U.S. Public Health Schering Corporation Limited National Research Council	Organic Chemistry. The Constitution of Primycin. Chemical Research. Photochemistry Laboratory.
D.M. Graham	National Research Council	Photochemical investigations.
J.P. Guthrie	National Research Council	Models for the enzyme-substrate complex-formation.
R.A. Haines	Department of University Affairs  National Research Council	Resolution and studies of optically active halogenoacetato complexes of cobalt (III). Structure and stereochemistry of metal complexes.
D.H. Hunter	Department of University Affairs National Research Council	Acidity of Formyl Protons. Geometry of carbanions.
P.W.M. Jacobs	Defence Research Board  National Research Council National Research Council  U.S. Office of Naval Research U.S. Naval Ordnance Test Station	Physical chemistry of solid fuel propellants. Equipment Grant. Optical and electrical properties of crystals. Solid Fuel Rocket Propellants. Research in photochemistry in Solids. An investigation and evaluation of data concerning the decomposition of ammonium perchlorate.
R.G. Kidd	National Research Council	Nature of the metal-ligand bond in coordination complexes of metals.
J.F. King	American Chemical Society National Research Council  Alfred P. Sloan Foundation	Organic Sulphur Mechanisms. Mechanism, stereochemistry and organic sulfur reactions. Research Fellowship.
J.W. Lorimer	Defence Research Board  Defence Research Board  National Research Council	Thermal diffusion in ion-selective membranes. The chemistry of Water-Repellent Compounds. Transport Processes in Ion-selective membranes.
Thomas C.W. Mak	National Research Council Department of University Affairs	X-ray analysis of crystal structures. X-ray crystallography.
W.J. Meath	National Research Council	Studies in intermolecular and intramolecular forces.
J.B. Stothers	American Chemical Society  National Research Council National Research Council	Organic applications of nuclear magnetic resonance spectroscopy. Equipment Grant. Reaction mechanism studies and NMR Spectroscopy.



<u>Grantee</u>	<u>Granting Agency</u>	<u>Description of Project</u>
<u>Chemistry</u>		
A.J. Sukava	National Research Council	Electrodeposition and cathode overpotential studies.
E.W. Warnhoff	National Research Council	Natural product studies; alpha-halo ketone reactions.
P. Reynolds Warnhoff	National Research Council	Rearrangements of di-secondary epoxides of fixed stereochemistry.
C.J. Willis	Defence Research Board National Research Council	Studies on the synthesis and properties of perfluoro-alkyl silicones. Studies on fluorinated alcohols and alkoxides.
<u>Classics</u>		
N.B. Crowther	University of Western Ontario	Studies in Catullus.
D.E. Gerber	University of Western Ontario	Greek Lyric Poetry.
D.E. Hill	University of Western Ontario	The manuscript tradition of Ovid's Metamorphoses.
A.R. Littlewood	University of Western Ontario	First edition of Progymnasmata of Ioannes Geometres.
C.L. Murison	University of Western Ontario	Military and Political History of the Roman Civil War, 68-70 A.D.
D.P. Stanley Porter	University of Western Ontario	Messenger Scenes in Euripides.
H.B. Timothy	University of Western Ontario	The Galts, and, in particular, their influence in the shaping of Canadian History.
<u>Computer Science</u>		
F.G. Beckhoff	National Research Council National Research Council	Graph applications in system theory. Graph application in system-theory.
J.M. Carroll	National Research Council	Automatic indexing by statistical modelling.
C.B. Dunham	National Research Council	Bessel function routines for large arguments.
I. Gargantini	National Research Council	A zero-finding routine for polynomials.
J.F. Hart	National Research Council National Research Council National Research Council	Equipment Grant. Least Maximum Approximation in more than one variable. Towards the cost of the Fourth Biennial Research Seminar of the Computer Science Association to be held in Montreal in June 1969.
K. Langland	International Business Machines of Canada Ltd.	Computerized Electrocardiogram Analysis.



<u>Grantee</u>	<u>Granting Agency</u>	<u>Description of Project</u>
<u>Computer Science</u>		
Z.W. Pylyshyn	National Research Council	Development of Techniques and programs for computer analysis of spoken text, with special reference to psychiatric interviews.
	National Research Council	Development of techniques and programs for computer aided natural language text processing.
<u>Computing Centre</u>		
G.T. Lake	National Research Council National Research Council	Equipment Grant. Computing facilities for research and teaching. Support of computing centre. Character generator; vector generator.
<u>Economics</u>		
R.Y.M. Andrieu	University of Western Ontario	Price and Income elasticity of French Foreign Trade.
R.W. Baguley	University of Western Ontario University of Western Ontario	International Capital Flows and Monetary Policy. Economic Research.
A.G. Blomqvist	University of Western Ontario	Money and Debt in Economic Development.
R.G. Bodkin	University of Western Ontario	Quantitative Studies of the U.S. and Canadian Economies.
T.M. Brown	University of Western Ontario	Specification and Uses of Econometric Models. Mathematical Methods for Econometrists.
K.H. Burley	University of Western Ontario	Canada's Ocean Shipping Sources.
T. Courchene	University of Western Ontario	Monetary History of Canada.
D.W. Conklin	University of Western Ontario	Econometric Analysis of Urban Problems.
J.H. Dunning	University of Western Ontario	A Textbook on International Investment.
T.J. Finn	University of Western Ontario	Some Problems in Growth Theory.
J. Fried	University of Western Ontario	Bank Portfolio Selection.
S.B. Gupta	University of Western Ontario	An Econometric Test of the Portfolio Balance Theory of the Expected Rate of Change of Prices. Some Further Aspects of a Theory of the Growing Economy.
C.D. Hodgins	University of Western Ontario	Computer Facility Development for Econometric Research.
K.R. Kadiyala	University of Western Ontario	A Model of Inflation.



<u>Grantee</u>	<u>Granting Agency</u>	<u>Description of Project</u>
<u>Economics</u>		
J.C. Leith	University of Western Ontario	Theoretical and Empirical Significance of Trade Barriers.
J.R. Melvin	Canada Council University of Western Ontario	Studies in the theory of international trade. Theoretical Research in International trade.
L. Parai	Department of Labour (Federal) University of Western Ontario	A study in short-term fluctuations in Canadian international migration, 1964-65. Some effects of the post-war immigration on the Canadian Labour Market.
G.L. Reuber	Canada Council Woodrow Wilson Foundation University of Western Ontario	To continue quantitative studies in Canadian Economic Policy. Economics Research. Industry Wage Changes.
T.R. Robinson	University of Western Ontario	Dynamics of Fiscal Policy.
P.N. Roy	University of Western Ontario	Capital Flows and Counter-Cyclical Policy.
E. Saraydar	University of Western Ontario	Studies in 19th Century North American Economic Development.
J.E. Tanner	University of Western Ontario	Multiplier Effects of Money Supply Changes.
P. Tomlinson	University of Western Ontario	A critique of the Pure Theory of Public Expenditure.
W.E. Vickery	University of Western Ontario	Economics of Negro Migration.
R.J. Wonnacott	University of Western Ontario	Selected Econometric Problems.
L.S. Zudak	University of Western Ontario	A Theory of Industrial Labor Markets.
<u>English</u>		
R.G. Bates	University of Western Ontario	Editing a translation of a work in French in conjunction with Dr. Hart, Computer Science. Translation of Swedish Poetry.
A.C. Bolgan	University of Western Ontario	Research on T.S. Eliot.
D. Chapin	University of Western Ontario	English Poetry of the Later Middle Ages: an Anthology.
T.J. Collins	University of Western Ontario	Browning's Letters to Tennyson. Tennyson Catalogue.
A.B. Condron	University of Western Ontario	Comparative Study of Canadian, Australian, and New Zealand Contemporary Novelists.



<u>Grantee</u>	<u>Granting Agency</u>	<u>Description of Project</u>
<u>English</u>		
E.J. Devereux	University of Western Ontario	A Bibliography of English Translations of Erasmus.
P.D. Fleck	University of Western Ontario	The Literary Relationships Between the Shelleys and Byron.
J.W. Graham	Canada Council	Preparation for publication of a transcription of the complete extant manuscript of <u>The Waves</u> by Virginia Woolf.
	University of Western Ontario	The Manuscript of <u>The Waves</u> .
D.S. Hair	University of Western Ontario	The Conventions of Early Victorian Poetry. Early Victorian Reviews of the Novel.
D. Hensley	University of Western Ontario	Book, Wordsworth and a New Mythology - an essay on the Structure of the Excursion.
A.K. Hieatt	University of Western Ontario	Numerical Patterning in Medieval and Renaissance Poems.
V.M. Hoar	Canada Council	To do an oral history of University of Toronto Press.
	University of Western Ontario	Canadian Historical Studies of the 1930's.
N.C. Hultin	University of Western Ontario	Sir Francis Kynaston's Latin Version of Chaucer's Troilus. Distance in Chaucer's Troilus. A Study of Medieval Poetics.
J.H. Kaplan	University of Western Ontario	Medieval and Renaissance Drama.
D.C. Kaula	University of Western Ontario	Research in Shakespeare Sources.
C.F. Klinck	University of Western Ontario	Early Canadian Writers.
L.J. Morrissey	University of Western Ontario	Edition of Henry Fieldings The Grub Street Opera (for the Fountainwell Drama series).
G.D. Parker	University of Western Ontario	Research in Modern Drama.
B. Rajan	University of Western Ontario	Studies in Milton's Poetry.
J. Reaney	University of Western Ontario	Writing and re-writing his own plays.
J.A.B. Somerset	University of Western Ontario	Playwrights, Interluders, and Stages 1450-1568.
H.R. Wilson	University of Western Ontario	Canadian Dialect Archive.
R.G. Woodman	University of Western Ontario	A Study of Romantic Criticism.
A.M. Young	University of Western Ontario	The Literary Aesthetics of St. Augustine's De Doctrina Christiana.



<u>Grantee</u>	<u>Granting Agency</u>	<u>Description of Project</u>
<u>Faculty of Science General</u>		
A.E. Scott	Physics Research Equipment University of Western Ontario	Equipment Grant. General Research.
<u>Fine Art</u>		
W.S. Hart	University of Western Ontario	Paul Peel, Canadian Artist.
<u>French</u>		
F.R. Atance	University of Western Ontario	Marguerite de Navarre et la Reforme.
M.L. Balse	University of Western Ontario	A Non-Christian Looks at Bernanos.
W. Bush	University of Western Ontario	Poetry and Prophecy: from Baudelaire to Peguy.
P. Cardinal	University of Western Ontario	Canadian French (Morpho-) Syntax.
L.M. Heller	University of Western Ontario	The Paradox in Pascal's Pensees. Theistic Arguments in XVIIth Century Apologetics:
A.C. Saraydar	University of Western Ontario	Proust's Theory of Love.
C. Venesoen	University of Western Ontario	Essai sur Racine et la rehabilitation du moi.
R.L. Walters	University of Western Ontario	Critical Study of Voltaire's Scientific Works.
D.E. Westgate	University of Western Ontario	Seventeenth-Century Augustinian Thought.
<u>Geography</u>		
E.M. Bjorklund	University of Western Ontario	Experiential Distance Measures.
P.M. Bruer	Treasury and Economics	Erie Project.
R. Butler	Department of Lands and Forests Treasury and Economics University of Western Ontario	Recreation Area and Facility Inventory. Recreational Land Use - Pinery Provincial Park Beach. Recreational Activity Patterns of Residents of Owen Sound.
J.C. Day	Department of University Affairs Treasury and Economics	Modifications induced in stream- channel morphology and vegetation by river-control structures. Awareness of and Adjustment to a Natural Hazard.
Hans A. Hosse	Canada Council Treasury and Economics	Comparative Study of Regional Planning in Canada. Sensitive Clays in the Ottawa Area.
O.P. Langivet	University of Western Ontario	An Analysis of Structural Changes in the Agricultural Geography of South- eastern Norway.



<u>Grantee</u>	<u>Granting Agency</u>	<u>Description of Project</u>
<u>Geography</u>		
R. McDaniel	Treasury and Economics	Shifts in the Location of Manufacturing in Ontario 1951 to 1961.
N.L. Nicholson	University of Western Ontario	Geographical Research.
R.W. Packer	Geological Survey Department of University Affairs University of Western Ontario	Slope studies on Pleistocene Material. Ice Effect Study. Surveys of Cliff Retreat, Gully Action and Stream Development, Sparta.
A.K. Philbrick	University of Western Ontario	Processing Data Measuring the Dimensional Diversity of Cross Cultural Field Work in Japan, India, Ceylon, and Ghana
E.G. Pleva	Essex Kent Reg. Tourist Council University of Western Ontario	The Baldoon Study. A Systematic Toponymy of Ontario.
V.W. Sim	Energy, Mines & Resources  Treasury and Economics  University of Western Ontario	Quantitative Observations on the Effects of Fluvial and Masswasting Processes on the Lake Erie Shorebluff . . International Water Quality Management: A Case Study in the St. Clair-Detroit River Reach of the Great Lakes. Effectiveness of Geography 20 - a Statistical Analysis.
H.W. Taylor	Canada Council  Canada Council	Changing Patterns in the Economic Geography of Southeastern Brazil and Implications for Regional Development in the Latin American Context. Investment in Brazilian Agriculture.
M.J. Troughton	Canada Council  University of Western Ontario	A comparative study of the farm units in Ontario and Denmark. A Comparison between Functional Farm Units of Ontario and Denmark.
C.F.J. Whebell	Treasury and Economics  Energy, Mines & Resources  University of Western Ontario  University of Western Ontario	Distributional Pattern of Net Migration Parameters in Southern Ontario, 1961-1966. Critical Bibliography of Maps of Southern Ontario, 1780-1879. Typology of Folk Housing in Nineteenth Century Ontario. Cartobibliography of Maps of Upper Canada, 1780-1879.
R.W. Wightman	Energy, Mines & Resources  University of Western Ontario	The Historical Geography of Southwestern Ontario, 1780-1960. Statistical Study of the Historical Geography of Colonial Upper Canada, 1820-1850.
<u>Geology</u>		
W.R. Church	Geological Survey of Canada	Geology of the Burlington Peninsula and adjacent areas, northeast Newfoundland.



<u>Grantee</u>	<u>Granting Agency</u>	<u>Description of Project</u>
<u>Geology</u>		
W.R. Church	National Research Council  Department of University Affairs	Eclogites, ariegites and associated ultramafics. Geology of the Flatwater Pond-Westport and Confusion Bay regions, Newfoundland. Stratigraphy, structure and sedimentology of the Proterozoic rocks north-east of Manitoulin Island.
A. Dreimanis	Geological Survey of Canada  Geological Survey of Canada Geological Survey of Canada  National Research Council	Stratigraphic Correlations of Glacial Deposits between Lake Huron and the St. Lawrence Lowlands. Buried Soil in Banff National Park. Provenance of Diamonds in Glacial Drift, Great Lakes Region. Studies of Wisconsin Tillis in South-western Ontario.
A.D. Edgar	North Atlantic Treaty Organization National Research Council Geological Survey of Canada  National Research Council	Geochemistry of Eclogites.  Equipment Grant. Comparative studies of lithium-bearing pegmatites. Experimental studies of igneous rocks and minerals.
R.N. Farvolden	National Research Council	Regional Hydrogeology in Southern Ontario.
M.E.L. Fleet	National Research Council	Geochemistry and structure of sulphide minerals.
W.R. Hutchinson	North Atlantic Treaty Organization Anaconda American Brass Limited Amax Exploration Incorporated  Lake Dufault Mines Limited National Research Council  National Research Council	Comparative Study of Turkish and Canadian Massive Sulphide Ore Deposits. Geological Research. Support of Research in Applied Mineral Deposits. A Study of the Lake Dufault Mine. Genesis of massive sulfide ores, primary and metamorphic stages. Detailed studies of the chemalloy (Montgary) Pegmatite, Manitoba. Electron probe study of pyrrhotite, varieties, distribution and origin in Canadian massive sulphide ores.
A.C. Lenz	Geological Survey of Canada  Department of University Affairs  National Research Council	Upper Silurian and Lower Devonian brachiopods at Royal Creek area, Yukon. Middle and Upper Silurian Paleogeography and Biostratigraphy of southern Ontario. Silurian and Devonian graptolite and brachiopod biostratigraphy of Northern Yukon; with emphasis on the Upper Silurian and Lower Devonian.
N.D. MacRae	National Research Council	Geochemical relations of silicate oxide-sulphide assemblages on mafic rocks.



<u>Grantee</u>	<u>Granting Agency</u>	<u>Description of Project</u>
<u>Geology</u>		
J. Starkey	National Research Council	The study of crystal orientations in synthetically and naturally deformed polycrystalline aggregates and an investigation of the crystal structure of the deformed crystals.
G.G. Suffel	American Metal Climax Incorporated National Research Council	Research Fellowship Genesis and metamorphism of massive sulphide ores.
P.G. Sutterlin	Geological Survey of Canada	Development of a Geochemical Data File using the Free-Form Format System.
	National Research Council	An integrated data processing system for geological data.
C.G. Winder	Treasury and Economics	Structural Geology of South-western Ontario.
	National Research Council Geological Survey	Equipment Grant. Structural geology of Southern Ontario.
	Hudson Bay Oil and Gas Company National Research Council	Geological Research Paleozoic stratigraphy of South-western Ontario.
G.M. Young	Geological Survey of Canada	Stratigraphy, structure and sedimentology of the Precambrian rocks of Harrow and McKinnon townships, Ontario.
	National Research Council	Stratigraphy, sedimentation and paleoclimatology of early proterozoic rocks.
<u>Geophysics</u>		
A.E. Beck	North Atlantic Treaty Organization	NATO Advanced Study Institute.
	National Research Council	NATO Advanced Study Institute.
	J.P. Bickell Foundation	For the purchase of Equipment.
	National Research Council	Equipment Grant.
	National Research Council	Post-Doctoral Fellowships and Graduate Student Salaries.
	National Research Council	Measurement of terrestrial heat flow using deep boreholes and underwater boreholes.
C.M. Carmichael	National Research Council	Geomagnetism, age determinations and isotope studies.
	National Research Council	Geothermal investigations.
	National Research Council	Theoretical and Model Studies of the Earth.
L.M. Mansinha	Department of University Affairs	Investigation of Radio Active Deposits.
	National Research Council	Chandler Wobble studies.
	Department of University Affairs	Oil Bearing Structure in the Sarnia Area.



<u>Grantee</u>	<u>Granting Agency</u>	<u>Description of Project</u>
<u>Geophysics</u>		
R.F. Mereu	Defence Research Board National Research Council National Research Council	The crust and upper mantle of the Canadian Shield. Equipment Grant. Deep and shallow crustal sounding Research.
H. Palmer for R. Marlow	International Nickel Company of Canada National Research Council	Fellowship for Mr. R.B. Marlow.  Paleomagnetic studies of Canadian rock units and Mesozoic and Tertiary rock units of South America.
H.H. Schloessin	National Research Council	Physical properties of earth materials at high temperatures and pressures.
<u>German</u>		
A. Anderson	University of Western Ontario	The Novels of Friedrich Spielhagen.
R. Purekevich	University of Western Ontario	Gottfried Benn.
R.H. Samuel	University of Western Ontario	Preparation of material of Vol. 4 of Novalis Schriften.
G.M. Seufert	University of Western Ontario	The Translations of the Canticus Canticorum From Luther to Martin Opitz.
H. Spencer	University of Western Ontario	A Study of Heine's Language.
Gordon L. Tracy	University of Western Ontario	The Poetry of Brecht.
<u>History</u>		
F.H. Armstrong	University of Western Ontario	General research on the history of Toronto and the political development of Upper Canada.
D. Avery	University of Western Ontario	A study of the relationship between the Social Credit and C.C.F. parties, 1935-45.
P.G. Cornwall	University of Western Ontario	Training in the Meiji Navy.
R. Emerson	University of Western Ontario	Background book on the 18th Century for intellectual history courses.
G. Emery	University of Western Ontario	The Methodist Church on the Prairies, The Outreach of Ontario, 1896-1914.
T.N. Guinsburg	University of Western Ontario	Senatorial Isolationism in America, 1919-1941.
D.S. Hoffman	University of Western Ontario	South German Particularism in the Mid-19th Century.
R.A. Hohner	University of Western Ontario	Biography of Bishop James Cannon Jr.



<u>Grantee</u>	<u>Granting Agency</u>	<u>Description of Project</u>
<u>History</u>		
A.M.J. Hyatt	University of Western Ontario	Empire Contingents in the First World War.
D.G.G. Kerr	Canada Council	An Historical Analysis of Canadian Federal Elections, 1867 to the present.
A. Levin	University of Western Ontario	The Life and Work of M.O. Gershenzon (1869-1925).
F.K. Metzger	University of Western Ontario	The Revolt of the Princes: 1650.
P. Neary	University of Western Ontario	Anglo-American-Canadian Relations 1907-13.
J.C.M. Ogelsby	University of Western Ontario	Canada and Latin America 1867-1967.
R.C. Overton	University of Western Ontario	Editing articles and chapters on railway history.
C. Ruud	University of Western Ontario	Alexander II and the Politics of Reform, 1855-71.
I.K. Steele	University of Western Ontario	British Imperial Correspondence, 1675-1737.
W.H. Stockdale	University of Western Ontario	Medieval and Renaissance Essays.
Morris Zaslow	Canada Council	Completion of study on the opening of the Canadian North, 1870-1967.
<u>Journalism</u>		
E.J. Beattie	University of Western Ontario	Magazine Publishing in Canada 1867-1905: Kinds, Duration, Content Aspects.
C.E. Wilson	University of Western Ontario	Accuracy Study of Selected Canadian Newspapers.
<u>Mathematics</u>		
M.M. Ali	National Research Council	Rate of convergence of random variables.
R.G. Biggs	National Research Council	Abelian groups.
W.E. Bonnice	National Research Council	Research related to Sylvester's theorem and Motzkin's conjecture.
D. Borwein	National Research Council	Summability of Series and Integrals.
F.P.A. Cass	National Research Council	Summability of Series and Integrals.
L.K. Chan	Department of University Affairs National Research Council	Convergences of estimates. Convergence of best linear estimates.
R.H. Cole	National Research Council	General Boundary conditions for ordinary differential equations.



<u>Grantee</u>	<u>Granting Agency</u>	<u>Description of Project</u>
<u>Mathematics</u>		
M.S. Haq	National Research Council	Local structural analysis for discrete statistical models.
D. Naylor	National Research Council	Eigenvalue and eigenfunction problems.
B.L.R. Shawyer	National Research Council	Summability of series and integrals.
T.M. Viswanathan	National Research Council	Semi-valuations and ordered rings.
T.H. Wonnacott	National Research Council	The statistical analysis of simultaneous-equation regression models.
<u>Middlesex College</u>		
<u>General</u>		
R.N. Shervill	University of Western Ontario	General Research.
<u>Philosophy</u>		
P.A. Angeles	University of Western Ontario	Book of Readings (plus two articles).
E. Beaman	University of Western Ontario	The Analytic - Synthetie Distmetron.
R.W. Binkley	Canada Council	Bibliography of Philosophical Psychology of Action.
	University of Western Ontario	Philosophical Applications of Modal Logic and Philosophical Psychology of Action.
I. Block	University of Western Ontario	Methods in Aristotle or Aristotle's way of doing Philosophy.
R.N. Bronaugh	University of Western Ontario	Research on problems in legal and Moral responsibility.
R.E. Butts	University of Western Ontario	Necessity and Induction: The Mill-Whewell Controversy in Philosophy of Science.
R.L. Clark	University of Western Ontario	Philosophical Research.
J.W. Davis	University of Western Ontario	Berkely's Design.
P.L. Friedman	University of Western Ontario	The "Identity Hypothesis" and the Mind-Body Problem.
A.H. Johnson	Canada Council	The Development of a philosophical system (Experiential Realism) based on the insights of Alfred North Whitehead.
	University of Western Ontario	Philosophical Research.
H.J. Johnson	University of Western Ontario	The logic of politics and the politics of Thomas Hobbes.
J.J. Leach	University of Western Ontario	Philosophy research project.



<u>Grantee</u>	<u>Granting Agency</u>	<u>Description of Project</u>
<u>Philosophy</u>		
T.M. Lennon	University of Western Ontario	A translation of Malebranche's Recherche de la Verite.
A. Marras	University of Western Ontario	Psychological Concepts and Formal Logic.
P. Maynard	University of Western Ontario	Notation systems, conceptual schemes, and representation styles.
R. Muehlmann	University of Western Ontario	Scientism and Metaphysics.
G. Pappas	University of Western Ontario	Theoretical Phenomenalism and Berkeley's Emiricism.
M.E. Williams	University of Western Ontario	A Monograph on the thought of Friedrich Nietzsche.
W.K. Wilson	University of Western Ontario	Philosophical Research.
<u>Physical Health Education</u>		
M.S. Yuhasz	National Health and Welfare	Effects of a Twenty-Week Exercise Program on Post Infarct and Clinically Healthy Males.
<u>Physics</u>		
Y.F. Bow	National Research Council	Theoretical Study on Nuclear Magnetic Moments and Nuclear Magnetic Transitions.
E. Brannen	Defence Research Board National Research Council National Research Council National Research Council	Submillimeter Laser Research. Equipment Grant. Equipment Grant. Submillimeter radiation research with a racetrack microtron and gas laser.
H.I.S. Ferguson	National Research Council	Ion beam spectroscopy of gases and solids.
P.A. Forsyth	Defence Research Board  National Research Council Department of Transport National Research Council National Research Council  National Research Council	VHF radio wave scattering in the ionosphere. Equipment Grant. Meteor Winds. Radio physics of the high atmosphere. Rocket, satellite and radar studies of ionospheric irregularities. Additional High Atmosphere Research.
P.A. Fraser	National Research Council	Theoretical studies in atomic collisions.
H.R. Froelich	Department of University Affairs  National Research Council	Development of a Three Orbit Racetrack Microtron. Racetrack microtron theory and far-infrared absorption in solids.
J.A. Fulford	National Research Council	Measurements of apparent positions and motions of solar radio sources.



<u>Grantee</u>	<u>Granting Agency</u>	<u>Description of Project</u>
<u>Physics</u>		
D.R. Hay	Defence Research Board Department of Transport National Research Council United States Air Force  United States Air Force	Physics of the troposphere as related to UHF radio transmission. Micrometeorology of the Outer Layer of Frictional Influence. Laser probing of the lower atmosphere. Investigation of dual cavity refractometer measurements at high relative humidities. Research directed towards a study to reduce temperature and humidity transient effects on stability for the high-frequency capacitive microwave refractrometers.
W.R. Jarmain	National Research Council	Theoretical studies of diatomic band and continua intensities.
P.K. John	National Research Council National Research Council	Equipment Grant. An investigation of the reliability of probe measurements of plasma parameters by means of laser scattering. Study of self-focussing of light in solids using a laser beam.
J. Jones	National Research Council	The determination of the electron density profiles of meteors trains.
D.R. Lane Smith	National Research Council	A preliminary investigation of atmospheric electrical processes in S.W. Ontario.
C.H. Liu	National Research Council	Determination of the selection - rules of electron- impact ionization of atoms.
R.P. Lowe	Defence Research Board National Research Council	Infra-red airglow studies. Excitation in ion-molecule collision.
G.F. Lyon	Defence Research Board National Research Council	Ionospheric studies using satellites. Radio Studies of auroral structures.
J.W. McGowan	National Research Council National Research Council	Equipment Grant. Atomic and molecular collision physics.
D.R. Moorcroft	National Research Council National Research Council National Research Council	Equipment Grant. Studies of Ionospheric Scattering. Feasibility, cost and design study of a Thomson Scatter Ionospheric Radar System.
R.C. Murty	Department of Transport  Department of Transport  National Research Council Department of University Affairs	For conduct of literature survey in the field of atmospheric electricity. Carrying out research directed toward the development of equipment and techniques for the detection and tracking of lightning strokes and their differentiation into types. Atmospheric electricity. Electrical Studies of Thunderstorms.



<u>Grantee</u>	<u>Granting Agency</u>	<u>Description of Project</u>
<u>Physics</u>		
G.S. Rose	National Research Council	A study of the interaction between a streaming plasma and a transverse magnetic field.
M. Schlesinger	Defence Research Board	Physical properties of crystals containing defects in excited states.
T.W.W. Stewart	National Research Council	Investigation of the physical basis of pitch perception.
B.Y. Tong	National Research Council	Studies in one-dimensional alloys. Studies of non-linear optics in crystals.
E.L. Vogan	National Research Council	Rocket and associated studies of the lower ionosphere.
P.W. Whippey	National Research Council	An investigation of defect states in rare earth doped MF <sub>2</sub> , M Ca, Ba, Sr.
<u>Political Science</u>		
P. Althoff	University of Western Ontario	Party Activism in Urban Ontario - London Phase.
E. Beecroft	University of Western Ontario	Study of changes in the structure of local government in the Canadian provinces.
W.F. Dawson	University of Western Ontario	Parliamentary procedure in Canada.
C.C. Dunlop	University of Western Ontario	Administrative analysis of the operation of the National Film Board.
M. Hrabik	University of Western Ontario	The effect of interest aggregation patterns on the system capabilities of West European Nations.
H.K. Khanh	University of Western Ontario	The Application of the <u>United Front</u> policy in the Vietnamese Revolution.
G.P. Murray	University of Western Ontario	Special relationships and the North Atlantic Triangle.
S.J.R. Noel	University of Western Ontario	The Role of Provincial Premiers in the Canadian Federal System.
W.T. Salisbury	University of Western Ontario	Continuity and Change in Spanish Foreign Policy: Possibilities in the Post-Franco Era.
<u>Psychology</u>		
D.A. Chambers	Ontario Mental Health Foundation	Pharmacological effects on Response Integration.
F.D. Colman	National Research Council University of Western Ontario	Sequential and parallel information processing and pupillary dialation. Psychological Research.



<u>Grantee</u>	<u>Granting Agency</u>	<u>Description of Project</u>
<u>Psychology</u>		
A.J. Conger	University of Western Ontario	Some Methodological Considerations of Multidimensional Scaling and Vector Preference Models.
J.P. Denny	National Research Council	The relation of information and memory variables in concept formation.
	University of Western Ontario	Effects of Stress upon Divergent Thinking.
R.C. Gardner	Canada Council	Bicultural Communication: The Significance of Stereotypes.
J.T. Hawkins	National Research Council	The interactive effects of intensity and waveform of shock on behavior.
D.N. Jackson	Alcoholism and Drug Addiction Foundation	Behavioral Studies in Alcoholism.
	Ontario Mental Health Foundation	A Research Program in the Assessment of Psychopathology.
S.B. Kendall	National Research Council	Studies of temporal conflict.
D. Kimura	Foundations' Fund for Research in Psychiatry	The Development of Functional Brain Asymmetry in Normal Children and in Children with Reading Disability.
	National Research Council	Functional Asymmetry of the brain in perception.
R.M. Knights	Abbott Laboratories Limited	Study of Cylert (Magnesium Pemoline).
	Ontario Mental Health Foundation	The effects of cerebral lesions on the Psychological test performance.
	University of Western Ontario	The effects of Cerebral Lesions on the Psychological Test Performance of Children.
H.O. Lobb	Ontario Mental Health Foundation	Effects of drugs on learning and performance of the mentally retarded.
	National Research Council	Contrast effects of reward and non-reward.
	University of Western Ontario	Instrumental Learning in Rats.
Gordon J. Mogenson	National Research Council	Neural Mechanisms of motivated behavior.
	National Research Council	Neural mechanisms of motivation and learning.
	University of Western Ontario	Drinking Induced by Electrical Stimulation of the Hypothalamus.
A.A. Monjan	National Research Council	Functional properties of cerebellar sensory areas.
	University of Western Ontario	Recovery of Function in Chronically Decerebellectomized Cats.
Gloria Mulcahy	University of Western Ontario	Effects of Content Reward and Role-playing Reward on Attitude Change following Attitude Discrepant Behavior.



<u>Grantee</u>	<u>Granting Agency</u>	<u>Description of Project</u>
<u>Psychology</u>		
H.G. Murray	Defence Research Board. National Research Council University of Western Ontario	Effect of stimulus pre-exposure upon auditory reaction time. Stochastic models of response latency. Role of stimulus intensity in response evocation: evaluation of a decision-theory model.
A. Paivio	National Research Council University of Western Ontario	Mediating processes in verbal learning. Mediation Processes in Verbal Learning.
J. Partington	Canada Council University of Western Ontario	To study individual differences in social cognition. Individual Differences in Social Cognition.
D.R. Pederson	Ontario Mental Health Foundation National Research Council University of Western Ontario	Reactions of Infants and Children to Sensory Stimulation. Childrens' reactions to nonreward: Facilitation and interference effects. Development of Measurement Techniques for the Study of Perception in Human Infants.
Z.Q. Pylyshyn	Ontario Mental Health Foundation	Content Analysis of Psychiatric Interview Transcripts.
W. Reitz	Canada Council Canada Council	Self Attitudes, interpersonal attraction, and reinforcement. Research on the reinforcing properties of attitudes.
R. Rieber	Ontario Mental Health Foundation National Research Council	Problem solving strategies in children as a function of age and intelligence. Sudden acquisition as an index of mediation in children.
M.M. Schnore	Defence Research Board Ontario Mental Health Foundation	The effect of repetition and individual differences in short-term memory. Cognitive Functioning in the Aged.
T.F. Siess	Avco Finance Limited Ontario Mental Health Foundation University of Western Ontario	Personnel Selection Research. An evaluation of teacher's assessments of children's adjustment. Investigation of the Multidimensional Properties of University Courses.
R.G. Stretch	Medical Research Council National Research Council University of Western Ontario	Pharmacological manipulation of schedule-controlled behavior in squirrel monkeys maintained by intravenous infusion and self-infusion procedure. Factors involved in the maintenance of free-operant avoidance behavior in animals with reference to the effects of selected drugs. Operant Conditioning.
C.H. Vanderwolf	National Research Council	Neural mechanisms of voluntary movement.



<u>Grantee</u>	<u>Granting Agency</u>	<u>Description of Project</u>
<u>Psychology</u>		
F.M. Van Fleet	National Research Council University of Western Ontario	Behavioral effects of pre-time out stimuli. Frustrative Effects of Time-Out from Positive Reinforcement.
N.J. Vidmar	Canada Council University of Western Ontario University of Western Ontario	Dynamics in group decision-making. Effects of Size and Task Type on Group Productivity and Member Satisfaction. Situational vs. Personality Determinants of Group Risk Taking.
F.R. Wilkinson	Medical Research Council National Research Council	Behavioral correlates of ipsi-lateral stimulation of adjacent retinal areas. Perceptual tests of a proposed neuro-physiological theory of visual perception.
M.J. Wright	Psychology Research Fund	General Research.
<u>Russian Studies</u>		
N. Bernotas	University of Western Ontario	Russian Stylistics (Examples and Exercises).
L. Ignatieff	University of Western Ontario	New course in 19th Century Russian Literature.
R. Neuhauser	University of Western Ontario	Russian preromantic literature.
<u>Sociology</u>		
J.D. Allingham	Canada Council	The Determinants and Consequences of Patterns of Family Formation.
T.R. Balakrishnan	University of Western Ontario	London Mobility Project. Canadian Family Growth Study.
G.E. Ebanks	University of Western Ontario	Family Planning in Barbados.
P.M. George	University of Western Ontario	Scientists Perception of Science with Regard to Values.
J.A. Geschwender	University of Western Ontario	Student Perceptions of Nations as Threats to National Security.
C.F. Grindstaff	University of Western Ontario	Demographic Aspects of the Negro Revolution.
E.B. Harvey	Canada Council	Industrial and Occupational Sociology.
G.K. Jarvis	Bell Telephone Company University of Western Ontario	Sociological Research. Ecological Analysis of Canadian Metropolitan Areas.
H.Y. Kim	Canada Council University of Western Ontario	Research on social factors affecting aspirations for higher education. Social Factors Affecting Aspirations for Higher Education.
C.E. Nobbe	University of Western Ontario	Consequences of Consensus Formation.



<u>Grantee</u>	<u>Granting Agency</u>	<u>Description of Project</u>
<u>Sociology</u>		
R.W. Osborn	University of Western Ontario	Urban Mortality Trends in Canada.
D.I. Pool	Population Council	Processing and analysis of fertility survey data, collected in Ghana.
E.T. Pryor	University of Western Ontario	"Blame" as a Sociological Concept.
B.D. Singer	Canada Council	To study the social-psychological dynamics of the Detroit Riot.
	Department of Health and Welfare (U.S.)	Detroit Riot Study.
	University of Western Ontario	Violence and Mass Media.
	University of Western Ontario	Comparative Attitudes Towards The Disabled.
<u>Spanish and Italian</u>		
J. Asensio	University of Western Ontario	Spanish Research.
Weston Flint	University of Western Ontario	Minor Figures of the Generation of 1898: Painters and writers.
A.M. Marti	University of Western Ontario	Canada en las relaciones diplomaticas de Espana Segun los Documentos del Archivo de Simancas.
B.W. Munn	University of Western Ontario	Investigation into the Latin-American Social Novel.
Jean C. Newman	University of Western Ontario	Selected Themes in Pedro Salinas.
<u>Talbot College</u>		
<u>General</u>		
G.H. Turner	University of Western Ontario	Course Evaluation: Psychology 46.
<u>Zoology</u>		
H.I. Battle	National Research Council	Embryonic responses of teleosts to selected protein and RNA inhibitors.
T.K.R. Bourns	National Research Council	Equipment Grant.
	National Research Council	Host-parasite relationships of Trematodes in Ontario.
	Department of University Affairs	Studies on host parasite relations.
	Canadian National Sportsmen's Show	Blood fluke disease in ducks.
A.W.A. Brown	Defence Research Board	Factors in attractiveness of objects to adult Aedes Aegypti.
	Defence Research Board	DDT residues at Fort Churchill, Manitoba.
	Department of Defence Production	DDT Residue at Fort Churchill, Manitoba
	Dow Chemical Limited	Resistance hazard of DURSBAN for mosquitoes.
	National Research Council	Esterases and metabolites in OP-resistant and dieldrin-resistant mosquitoes.



<u>Grantee</u>	<u>Granting Agency</u>	<u>Description of Project</u>
<u>Zoology</u>		
A.W.A. Brown	Public Health Service World Health Organization Energy, Mines and Resources	Mosquito resistance to insecticides and Chemosterilants. For the performance of investigations on the Insecticide-Resistance Problem. Contamination of a Boreal Area with DDT Insecticide.
D.G. Davis	National Research Council	Genetic control and ontogeny of pteridine metabolic pathways in drosophila.
R.W. Dunbar	National Research Council National Research Council World Health Organization	Travel Award. Cytotaxonomic and evolutionary studies in black flies. Cytogenetic studies of Similium Damnosiem.
J.A. George	Defence Research Board Department of University Affairs National Research Council	Control of Cluster Flies. Biology of Cluster Flies. Induced sterility in insects.
W.N. Holsworth	New York Zoological Society Department of University Affairs Canadian National Sportsmen's Show National Research Council Canadian Wildlife Service	Ecological Comparisons of Social Organization in Bison. Ecology and Social Behavior of the White Tailed deer in Ontario. Ecology and Social Behavior of the White Tailed deer. Social Behavior, Ecology, and Population Control of mammals. Mercury uses in Canada and their effects on wildlife.
W.W. Judd	National Research Council	Inheritance of colour pattern in polygonia; comparative study of the proventriculus of Carabid beetles.
M. Keenleyside	National Research Council	Social behavior and activity patterns in fish and insects.
C.D. MacInnes	National Research Council Canadian National Sportsmen's Show Canadian National Sportsmen's Show Canadian Wildlife Service Canadian National Sportsmen's Show	A quantitative investigation of the ecology of Canada geese and other bird species nesting near the mouth of the McConnell River, N.W.T. Winter Phase of Family Group Behavior of the Blue and Snow Geese. Ecology of Loons in the Arctic. Banding Canada Geese and Blue and Snow Geese, in the McConnell River Area, N.W.T. A study on the growth and development of young Canada Geese.
D.B. McMillan	National Research Council National Research Council	Equipment Grant. Studies in comparative histology and ultrastructure.



<u>Grantee</u>	<u>Granting Agency</u>	<u>Description of Project</u>
<u>Zoology</u>		
R.K. Misra	Department of University Affairs	Genetical aspects of variations among populations of Canada Geese.
	National Research Council	Genetic Aspects of variations among animal populations.
	National Research Council	Temperature selection and cold tolerance in the eastern cowbird, <i>Molothrus ater</i> .
J. Purko	National Cancer Institute	Biological actions of the alkylating agents and mechanisms of resistance to their effects.
	National Research Council Department of University Affairs	Equipment Grant. Biological action of the "chemosterilant", hempa (hexamethylphosphoric triamide) and mechanism of resistance to its effects.
	National Research Council	Molecular events in early embryogenesis and their possible significance in development.
R.R. Roth	Department of University Affairs	Metabolic pathways of steroid hormones in freshwater teleosts.
	National Research Council	Steroid Hormone Metabolism in Vertebrates.
	National Research Council	Biology of Passerine Birds.
R.R. Shivers	Department of University Affairs	Ultra Structural Studies of Oogenesis and the Vitellogenesis in Meiotically Impaired <i>Drosophila</i> Eggs.
	National Research Council	Fine structure of crayfish neurosecretory organs.
J.E. Steele	National Research Council	Equipment Grant.
	National Research Council	Metabolic and developmental regulatory mechanisms in insects.
	National Research Council	Studies on Insect Blood Proteins.
R.H. Stinson	National Research Council	A study of physiological and ecological differences in slugs of the genera <i>Deroceras</i> and <i>Arion</i> .

#### FACULTY OF ENGINEERING SCIENCE

S.H. Abu Sitta	National Research Council	Analytical and experimental investigation of static and dynamic behavior of thin surfaces of revolution.
C.G.J. Baker	National Research Council	Hydrodynamics of three phase fluidized beds. Agglomerate particle analysis.
J.M. Beeckmans	Department of Health (Ontario)	Sonic Deposition of Smoke and Dusts on Filters.
	Department of National Health and Welfare	Atmospheric lead Sampler.
	National Research Council	Intense sound phenomena.



<u>Grantee</u>	<u>Granting Agency</u>	<u>Description of Project</u>
M.A. Bergougnou	National Research Council National Research Council	Equipment Grant. Design and scale-up fundamentals for fluid bed and transport reactors.
	Department of University Affairs	Design and scale-up fundamentals for fluid bed and transport reactors.
T. Bonnema	National Research Council	Ionospheric studies using the geostationary satellites.
J.D. Brown	National Research Council	X-ray generation applied to electron probe microanalysis.
W. Bulani	Department of Mines & Technical Surveys	Research in Mineral Processing.
	Department of Health (Ontario)	Chemical Reactor and Separator Design Studies for the Reduction of Atmospheric Pollution.
	National Research Council	Study of electrochemical effects on chemical and physical rate-processes.
G.F. Chess	University of Western Ontario	Bio-Medical Telemetry.
A.G. Davenport	American Electric Power Service Corporation	Model investigation of the static and dynamic behavior of a 1200 ft. stack for turbulent boundary layer flow.
	Australian Mutual Provident Society	A Study of Wind Effects on the proposed A.M.P. Tower, Sydney, Australia.
	Northumberland Consultants Limited	A Study of wind action on proposed concrete bridge for Northumberland Straits Crossing.
	Canadian Bridge	Halifax Narrows Bridge Erection Study.
	C.D. Carruthers & Wallace, Consultants Ltd.	Canadian Imperial Bank of Commerce Building Study.
	E.I. Dupont Denemours & Company	Wind Tunnel testing and related services in connection with the dynamic analysis of a 850' guyed stack structure design.
	National Research Council	Equipment Grant.
	National Research Council	Equipment Grant.
	National Research Council	Equipment Grant.
	Hydro-Electric Power Commission of Ontario	A Study of the Response to Wind for a proposed stack at Nanticoke Generating Station.
	John Maryon and Partners	A Study of the Aeroelastic Behavior of a Canopy in Barbados.
	C.D. Carruthers & Wallace, Consultants Limited	Metro Centre Study.
National Research Council	Aeroelastic and aerodynamic behaviour of structural shapes in turbulent and laminar flow.	
National Aeronautics and Space Administration	Investigation of Ground Wind Loads on Space Vehicles.	
United States Steel Corporation	To support a research contract to be carried out by the Wind Tunnel.	
United States Steel Corporation	Wind tunnel study of heliport configuration for the U.S. Steel Building, Pittsburgh, Pa.	



<u>Grantee</u>	<u>Granting Agency</u>	<u>Description of Project</u>
A.G. Davenport	Department of Transport	Comparison of Boundary layer turbulence properties as measured in the first 1,000 ft. of the atmosphere and in the new U.W.O. ground boundary layer wind tunnel.
	C.D. Carruthers & Wallace, Consultants Ltd.	Wind Tunnel Study of proposed stack for Toronto General Hospital.
	Skilling, Helle, Consultants	Wind Tunnel Investigation on Theme Building, Century City, Los Angeles, California.
	Niels Frank	Wind Tunnel Studies.
R.M. Dillon	J.P. Bickell Foundation	To support a Research Project in Engineering Education.
	J.P. Bickell Foundation	Special Grant for the purchase of a high frequency Generator.
	Canadian International Development Agency	Professor McGarry assignment in Thailand.
	University of Western Ontario	Summer student.
	National Research Council	Engineering Research.
	Estate of the late Edna E. Jeffery	Engineering Research.
	John Labatt Limited	Research in Engineering Education.
I.J. Duerden	National Research Council	Weldability of polyphase nickel alloys.
G.S. Emmerson	National Research Council	Leidenfrost phenomena.
J.E.K. Foreman	Medical Research Council	Pool boiling phenomena.
	National Research Council	Equipment Grant.
	Medical Research Council	Nuffield Foundation Visiting Lectureship.
		Model and in vivo studies of arterial blood flow and post-stenotic dilatation.
A.J. Frick	National Research Council	Biaxial bending of impulsively loaded rigid-plastic structures.
G.A. Geach	National Research Council	Relationships between mechanical properties of engineering materials at high temperatures and their structure.
	United States Steel Foundation Inc.	Research in Engineering Science.
I.I. Inculet	National Research Council	Equipment Grant.
	National Research Council	Engineering Research.
	Department of Health (Ontario)	Air Pollution Control.
	Department of Health (Ontario)	Laboratory Equipment - Air Pollution Control and Abatement.
	Dept. of Energy, Mines & Resources	Electrostatic beneficiation of Canadian raw and processed ores in fluidized beds.
	National Research Council	Static Electrification.
	National Research Council	IN-SITU vibration of model Foundation
	National Research Council	Vibrations of massive foundations on soils.
E.S. Nowak	Atomic Energy of Canada Limited	To check the enthalpy change of heavy water between the temperatures of 480 degrees and 560 degrees F.
	University of Western Ontario	Engineering Research.
	National Research Council	The thermodynamic behavior of important engineering fluids.



<u>Grantee</u>	<u>Granting Agency</u>	<u>Description of Project</u>
E.S. Nowak	National Research Council	Heat flow through porous media as applicable in the recovery of heavy oils from petroleum reservoirs.
A.T. Olson	National Research Council	An experimental investigation concerning the Heat Transport Equation as applied in Thermo-elasticity.
	National Research Council	Boundary layer control by suction in conical diffusers.
W.H. Peacock	National Research Council	Influence of frequency on the liquefaction of sands.
	University of Western Ontario	For the construction of equipment.
M.P. Poucher	National Research Council	Flexible reinforced concrete pipe.
R.M. Quigley	H.G. Acres and Company	Soil Mineralogy, Grain Shape and Fabric, Mudstone Samples from the Proposed Northumberland Strait Crossing.
	H.Q. Golder & Associates, Limited	Clay Mineralogy soils from three slope failures in British Columbia.
	Geocon Limited	Soil Mineralogy.
	Department of Highways (British Columbia)	Soil Mineralogy and Physico-chemistry, C.N.R. Bridge at Tyee, British Columbia.
	National Research Council	Mineralogical and fabric control on the physical behavior of clay soils and shale rocks.
	Queens University	Mineralogical analyses on three soil samples from Labrador, Ottawa and Mattagami.
	University of Toronto	Mineralogical Analyses.
P. Rosati	National Research Council	The forces on a square prism in turbulent boundary layer flow.
	National Research Council	The response of rectangular prisms to wind load.
C. Roy	Atomic Energy of Canada Limited	To investigate the relationship between built-up stresses and the breakdown process in oxide films on zirconium alloys at temperatures between 350 degrees - 500 degrees.
	National Research Council	The effects of oxygen in solution and temperature on the elastic moduli of zirconium 11. Dislocations and strength of bicrystals of CaF <sub>2</sub> .
J.S. Sheasby	National Research Council	Studies of high temperature chemical reactions.
K.A. Shelstad	National Research Council	Catalytic Ammoxidation of Hydro Carbons.
	Department of Health (Ontario)	Catalysis in Air Pollution.
	National Research Council	Studies in contact catalysis and related phenomena.
L.G. Soderman	National Research Council	Field determination of dynamic properties of Ontario soils.



<u>Grantee</u>	<u>Granting Agency</u>	<u>Description of Project</u>
J.W. Stewart	National Research Council	An Investigation of the Dispersion of Particles introduced into the Boundary Layer over a Representative Agricultural Crop.
R.K. Swartman	National Research Council	Absorption refrigeration. Bubble lift pump.
J.D. Tarasuk	National Research Council	The pressure volume temperature behavior of heavy water and other important engineering liquids.
B.J. Vickery	Canadian Steel Industries Construction Council  National Research Council	The Behavior at Collapse of Simple Elasto-Plastic Structure under the Action of Wind Loads. Wind effects on buildings and structures.
E.F. Wahl	National Research Council  E.F. Wahl, (Sr.), P.E.	Distillation column dynamics and mass transfer processes. Agglomerate size analysis for pigment dispersions.
J.E. Zajic	British American Oil Company  National Research Council John Labatt Limited  National Research Council  Imperial Oil Limited  Department of University Affairs  Department of Energy, Mines and Resources	Oil Algal Toxins in Refinery effluent waste. Special Grant for Equipment. Factors affecting the fermentation of <i>B. subtilis</i> . Biochemical engineering process studies. Conversion of Methane of Food Products. Biochemical leaching of uranium and vanadium ores. A Critical Review of Forced Aeration Techniques for the Processing of Effluent Wastes.

### FACULTY OF MEDICINE

#### Anaesthesia

W. Spoerel	Sundry Donors Medical Research Council	Research in Anaesthesia. The effect of anaesthesia and resuscitation on cerebral ischemia in the rabbit.
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#### Anatomy

G.G. Altmann	Medical Research Council	Factors influencing morphology and renewal in the epithelium of the small intestine of rats.
M.L. Barr	Joseph P. Kennedy Jr. Foundation D.H. McDermid Estate Medical Research Council Medical Research Council	Mental Retardation. Medical Research. Cytogenetics and sex anomalies. Studies in human genetics.
R.C. Buck	National Cancer Institute  Medical Research Council	The surface of normal and cancerous cells. For the support of Dr. D. Soudik, visiting Scientist.



<u>Grantee</u>	<u>Granting Agency</u>	<u>Description of Project</u>
<u>Anatomy</u>		
R.C. Buck	Medical Research Council A.E. Silverwood Foundation	Cytologic Studies in Metaplasia. Research in Mental Retardation.
A.D. Dickson	Population Council	Studies on blastocyst development and implantation in the mouse.
E. Donish	Medical Research Council	Structural changes with age in the lumbar intervertebral discs.
D.G. Gwyn	Medical Research Council	Cholinesterase in the central nervous system.
M.L. Hollenberg	Medical Research Council Medical Research Council	M.R.C. Fellowship Grant. Studies of cell differentiation in the vertebrate eye.
K. Hoshino	Jane Coffin Childs Memorial Fund National Cancer Institute Medical Research Council Medical Research Council	Cancer Research. Studies of breast cancer in mice. M.R.C. Fellowship Grant. Hormonal influences upon development and function of endocrine and reproductive organs in mice. Studies on salivary glands in mice.
	National Research Council	
C. Levene	Medical Research Council	Vascularisation of growing cartilage.
D.G. Montemurro	National Cancer Institute Medical Research Council	Cancer research. Study of the structure and function of pituicytes.
E.L. Shaver	Medical Research Council	Chromosome abnormalities in rabbit embryos.
R.P. Singh	Medical Research Council	Histochemical studies of the gonads of XO abortuses.
A.S. Wilson	Medical Research Council	Innervation of the diaphragm.
<u>Bacteriology</u>		
P.C. Fitzjames	Medical Research Council Medical Research Council Medical Research Council Medical Research Council	Equipment Grant. Equipment Grant. Medical Research Associateship. Macromolecular synthesis in bacteria.
E.L. Medzon	Medical Research Council  Canadian Tuberculosis Association	Activities at the surface of animal cells cultured in vitro. Chemical and Biological Characteri- zation of Tubercle Antigens.
R.G.E. Murray	Medical Research Council Medical Research Council Medical Research Council Medical Research Council	Equipment Grant. M.R.C. Fellowship Grant. Studies of <i>Listeria monocytogenes</i> . General microbiological and cytological studies.
C.F. Robinow	Medical Research Council Medical Research Council	M.R.C. Fellowship Grant. For the support of Dr. B. Strejan.



<u>Grantee</u>	<u>Granting Agency</u>	<u>Description of Project</u>
<u>Bacteriology</u>		
J. Robinson	Medical Research Council	The mode of action of lysis of specific bacteria by Bdellovibrio.
	Medical Research Council	The mode of action of lysis of specific bacteria by Bdellovibrio.
	Medical Research Council	The site and mechanism of formation of alpha and beta hemolysin by some strains of staphylococcus aureus.
J. Rozanis	John Labatt Limited Medical Research Council	Microbiology Research. The effect of PAS on nocardia.
G. Strejan	Medical Research Council	Hypersensitivity to ascaris antigens.
<u>Bacteriology (Meek Lab)</u>		
A. Bakerspigel	Medical Research Council Ontario Tuberculosis Association	Fungistatic activity of normal and abnormal sera. Tuberculosis Research.
<u>Biochemistry</u>		
C.C. Bigelow	Medical Research Council National Research Council Medical Research Council	The physical chemistry of proteins. The physical chemistry of proteins. Protein denaturation and structure.
K.K. Carroll	Canadian Federation of Biological Societies J.B. Collip Trust Fund National Cancer Institute  National Dairy Products Corporation Medical Research Council Ontario Heart Foundation  Medical Research Council Medical Research Council  Medical Research Council	Secretarial Services.  Medical research. An investigation of the substances in certain bacteria which cause run-away production of white blood cells. The Role of Dietary Fat in Cancer.  M.R.C. Associateship. Dietary Control of Liver Cholesterol Biosynthesis. Consolidated Grant. Analysis and metabolism of bacterial lipids. Diet and cholesterol metabolism.
Bruce Gordon	Ontario Mental Health Foundation	Research Scholarship.
W.L. Magee	Multiple Sclerosis Society Medical Research Council	Metabolism of Myelin. The ethanolamine-containing phospholipids of brain.
W.C. McMurray	Medical Research Council	Metabolic studies of mitochondrial lipids.
R.J. Rossiter	Medical Research Council	Biochemistry of the nervous system.
D.B. Smith	Medical Research Council	Structure of hemoglobin and hemoglobin-haptoglobin complex.
H.B. Stewart	National Cancer Institute  Medical Research Council	Studies of irregularities of oxygen consumption in tumor cells and the mechanism that causes these changes. Cytological organization and metabolism of yeast.



<u>Grantee</u>	<u>Granting Agency</u>	<u>Description of Project</u>
<u>Biochemistry</u>		
K.P. Strickland	Medical Research Council Muscular Dystrophy Association of Canada	M.R.C. Associateship. Morphological and Chemical Changes in Myasthenia Gravis and Myasthenia- like Conditions.
	Muscular Dystrophy Association of Canada Medical Research Council	Pre-doctoral Fellowship.  The biosynthesis of phospholipids.
J.R. Trevithick	Medical Research Council Medical Research Council Medical Research Council	M.R.C. Scholarship. M.R.C. Scholarship Grant. The role of basic nuclear proteins in development.
D. Webling	Dean of Medicine Medical Research Council	Medical Research. Bile and bile salts in calcium metabolism.
<u>Biophysics</u>		
A.C. Burton	Defence Research Board	Mechanism of temperature receptors in acclimatization.
	Medical Research Council Medical Research Council Ontario Heart Foundation	M.R.C. Fellowship Grant. M.R.C. Fellowship Grant. Frequency Characteristics of Sinus Arrhythmia.
	Life Insurance Medical Research Fund Medical Research Council Medical Research Council	The Biophysics of the red blood cell.  Energetics of vascular smooth muscle. Analysis of total E.M.G. activity in voluntary contraction.
P.B. Canham	Medical Research Council	Physical properties of the red cell membrane.
R.I. Duncan	Canada Council National Cancer Institute	Special Fellowship Grant. Cancer Research.
J.E.K. Foreman	Medical Research Council	M.R.C. Fellowship Grant.
A.C. Groom	Medical Research Council Medical Research Council Medical Research Council	M.R.C. Scholarship. M.R.C. Scholarship Grant. Flow of cells and plasma through the smaller vessels of skeletal muscle, and dynamics of the splenic circulation.
M.R. Roach	Medical Research Council Medical Research Council Geographic Research Fund Ontario Heart Foundation Medical Research Council Canadian Tuberculosis and Respiratory Disease Association	M.R.C. Scholarship. Scholarship Grant. Equipment Grant. Effects of Vibration on Tissues. Contraction of vascular smooth muscle. Effect of Dionosil on Lung Surfactant.
M.H. Sherebrin	Medical Research Council Medical Research Council Medical Research Council Medical Research Council	Equipment Grant. M.R.C. Scholarship. M.R.C. Scholarship. Conformation changes of macromolecules in biological membranes.



<u>Grantee</u>	<u>Granting Agency</u>	<u>Description of Project</u>
<u>Biophysics</u>		
C.P.S. Taylor	Dean of Medicine Medical Research Council National Research Council  Medical Research Council	Research Grant. Equipment Grant. Biophysical studies on respiration and photosynthesis. EPR studies of Hemoproteins.
<u>Cancer Research</u>		
Judith K. Ball	Medical Research Council Medical Research Council	M.R.C. Scholarship. Studies on the mechanism of induction of thymic lymphoma by a single, neonatal injection of DMBA.
K. Ebisuzaki	Medical Research Council	Studies on fine analysis of DNA; Recombination mechanisms.
J.V. Frei	Medical Research Council	Fellowship Grant.
J.A. McCarter	National Cancer Institute National Cancer Institute National Cancer Institute National Cancer Institute National Cancer Institute National Cancer Institute Medical Research Council Medical Research Council	Cancer Research. Equipment Grant. Fellowships and Studentships. Equipment and alterations. Alterations. Equipment Grant. Equipment Grant. Interaction of nucleic acids with polycyclic aromatic hydrocarbons and acridines.
N.R. Sinclair	Medical Research Council Medical Research Council Medical Research Council	M.R.C. Scholarship. Scholarship Grant. Studies on thymic function and mechanisms of immunosuppression.
I.G. Walker	Defence Research Board  Medical Research Council	Sulphydryl compounds and protection against radiomimetic alkylating agents. Modification of cellular sensitivity toward anti-cancer agents.
<u>Community Medicine</u>		
Carol Buck	Ontario Cancer Treatment and Research Foundation The John McClary Memorial Fund Ontario Mental Health Foundation	Relationship between smoking in pregnancy and cancer in children. For research in industrial medicine. Factors influencing the intellectual development of young children.
E.J. Love	Department of National Health and Welfare Department of National Health and Welfare	The Phenomenon of Prematurity. Perinatal Mortality Study.
K.M. Stavraký	Ontario Cancer Treatment and Research Foundation Ontario Cancer Treatment and Research Foundation	Investigation of Precursor Illness in Lung Cancer Patients. Factors associated with the development of Breast Cancer in Premenopausal vs Post Menopausal Women.



<u>Grantee</u>	<u>Granting Agency</u>	<u>Description of Project</u>
<u>Continuing Education</u>		
P.A. Rechnitzer	Ontario Heart Foundation	Cardiac Rehabilitation Study.
<u>Diagnostic Radiology</u>		
John Allcock	Dean of Medicine National Academy of Sciences	Medical Research. A Study of causes, prevention and treatment of cerebral vascular spasm in patients with subarachnoid haemorrhage.
<u>Family Medicine</u>		
A.T. Hunter	Canadian Cancer Society, Ontario Division American College of Cardiology Department of National Health and Welfare Department of National Health and Welfare Department of National Health and Welfare Department of Health (Ontario)	Symposium. Coronary Artery Disease Course. Medical Education - Television. Medical Audience Educational Television Program. Advanced Graduate Training for General Practice. A Study of Medical Manpower in Ontario.
I.R. McWhinney	Department of National Health and Welfare	Conference on Training in Family Medicine.
	Geographic Trust Fund	To support part-time research assistant for Family Medicine program at St. Joseph's Hospital.
	Geographic Trust Fund	For a visiting Professor to assist in developing instructional techniques as they relate to patient interviewing.
<u>Medicine</u>		
S.P. Ahuja	Medical Research Council	Vectorcardiographic elucidation of minor electrocardiographic abnormalities in normal subjects and cardiac patients.
Ivan T. Borda	Department of National Health and Welfare	Drug Surveillance Program.
F.S. Brien	Lady Jean Lister Kay Fund	Medical Research.
W. Chodirker	Dean of Medicine Medical Research Council	Special Research Grant. The development of an in-vitro assay of delayed hypersensitivity in man utilizing a macrophage migration inhibition system.
R.W. Gunton	Medical Association The Richard & Jean Ivey Fund Canadian Arthritis and Rheumatism Society	Department of Medicine Clinical Research Fund. For the establishment of a Gastroenterology Unit, Department of Medicine. To support Rheumatic Diseases Unit.



<u>Grantee</u>	<u>Granting Agency</u>	<u>Description of Project</u>
<u>Medicine</u>		
B.L. Hession	Geographic Trust Fund	Research in pulmonary Physiology.
A.J. Hudson	Dean of Medicine	Special Research Grant.
A. Kertesz	Geographic Trust Fund	Neurological Research - St. Joseph's Hospital.
R.W. Kimber	Dean of Medicine Medical Research Council Geographic Trust Fund Geographic Trust Fund Department of National Health and Welfare Medical Associates	Special Research Grant. M.R.C. Scholarship Grant. Research in the Renal Unit. Research in the Renal Unit. Hereditary Nephritis.  Department of Medicine Nephritis Research.
N.M. Lefcoe	Geographic Trust Fund  Ontario Tuberculosis Association	For the purchase of equipment for research concerned with air pollution. Research into problems of Respiratory Disease.
G.W. Manning	Sarah Duncan Estate Department of National Health and Welfare Ontario Heart Foundation Sundry Donors  Medical Research Council	Cardiovascular Research. Clinical Cardiovascular Research.  Cardiovascular Research. Department of Medicine Cardiovascular Research. Computer analysis of electrocardiogram by simultaneously recorded orthogonal leads.
N.W. Rodger	Medical Research Council Department of Health (Ontario)	Hyperlipidemia in diabetes mellitus. Pulmonary Function Laboratory.
Robert K. Stuart	Ontario Heart Foundation	Experimental and Clinical Studies of Thrombosis and Thrombolysis.
J.H. Toogood	Sundry Donors Beck Memorial Sanitorium Fund  Canadian Tuberculosis Association	Allergy Research. Dr. David W. Crombie Memorial Research Fellowship. Effect of Accoustic Stress on Bronchial Wall Elasticity.
L.D. Wilcox	Medical Research Council	Proposed studies of problems associated with the creation of a spleno-pulmonary shunt.
<u>Medicine General</u>		
D. Bocking	Canadian Patents & Development Limited R.W. Frost, Esq. Medical Research Council Medical Research Council Department of National Health and Welfare Department of National Health and Welfare Ontario Heart Foundation	Cancer Research.  Medical Research M.R.C. Fellowships. M.R.C. Studentships. General Practitioner Education.  Education Program for General Practice. Summer Student Scholarships.



<u>Grantee</u>	<u>Granting Agency</u>	<u>Description of Project</u>
<u>Medicine General</u>		
D. Bocking	Ontario Heart Foundation Mrs. W.F. Herman & W.L. Clarke Medical Research Council Medical Research Council Geographic Trust Funds Richard Ivey Foundation Geographic Trust Funds  Tippet Foundation Research Fund	Associateships and Fellowships. R. Knox Herman Fellowship. For the support of Medical Research. Summer Scholarships. Medical Research. General Research Travel Fund. Faculty of Medicine Research Travel Fund. In support of the Medical Exchange Program.
<u>Obstetrics and Gynaecology</u>		
H.H. Allen	Mead Johnson of Canada Limited	Obstetrical Research Fund.
D.T. Armstrong	Department of Health, Education and Welfare Medical Research Council	Hormonal control of ovarian development and function. Regulation of ovarian sterol metabolism and steroid hormone secretion.
S.B. Effer	Geographic Research Fund	To complete research investigation in Montevideo.
E.B. Gammal	Dean of Medicine	Special Research Grant.
E.R. Plunkett	Ayerst Laboratories Ontario Cancer Treatment Research Foundation Medical Research Council Canadian Life Insurance Association Medical Research Council  Medical Research Council  Medical Research Council  Ortho Pharmaceutical Limited  Ortho Pharmaceutical Limited  Ortho Pharmaceutical Limited  Upjohn Company of Canada Limited Research Fund Department of Obstetrics and Gynaecology Research Fund Warner Lambert Research Fund	Drug Study. Environmental Factors in Human Mammary Cancer. M.R.C. Fellowship. Medical Fellowship.  Investigation of pituitary-ovarian failure in humans. For the support of research undertaken by Dr. David Armstrong. Investigation of endocrine disturbances following oral contraceptive therapy. For research in the field of infertility and gynaecological endocrinology. A special grant-in-aid to assist the teaching program for students, interns and residents in the Department of Obstetrics & Gynaecology. To investigate the possible hypertensive effect of progestational steroids. Obstetrical Research.  Obstetrical Research.  Obstetrical Research.
M.L. Robinson	Searle Company Research Project	Searle Project on Substitution Therapy in Menopause.
J. Walters	Ontario Cancer Treatment and Research Foundation	A pilot study in cytological screening.
<u>Ophthalmology</u>		
C. Dyson	Victoria Hospital	Department of Ophthalmology Research.



<u>Grantee</u>	<u>Granting Agency</u>	<u>Description of Project</u>
<u>Ophthalmology</u>		
C. Dyson	The Richard Ivey Foundation Sundry Donors Victoria Hospital	Department of Ophthalmology- Teaching and Research Fund. Joint University Hospitals Research Fund. Re Dr. C. Mailer.
<u>Otolaryngology</u>		
F.J. Rounthwaite	Geographic Trust Fund Department of Health (Ontario) Medical Research Council  Geographic Trust Fund	Summer Student Research Project. Deafness in Children. Neurophysiological aspects of deafness in retarded children. Department of Otolaryngology Research Fund.
<u>Paediatrics</u>		
L.L. DeVeber	Canadian Hemophilia Society	Research in hemophilia.
G.G. Hinton	CIBA Company Limited	The effects of methylphenidate on the motor skills of children with minimal brain dysfunction.
J.C. Rathbun	Canadian Cystic Fibrosis Foundation  Geographic Trust Fund  Department of National Health and Welfare	The Diagnosis of Cystic Fibrosis and the Detection of the Heterozygote Carriers State by the Examination of Short-term Lymphocyte Cultures for Metachromatic Granules. Research in the Department of Paediatrics. Fluorescent Antibody Techniques.
G.H. Valentine	Geographic Trust Fund	Child Health Workshop.
<u>Pathological Chemistry</u>		
Y.S. Brownstone	Defence Research Board	The use of short chain ribosides as blood preservatives.
A.H. Neufeld	Medical Research Council  University of Western Ontario	Metabolic changes in disease with emphasis on proteins. To be used for the employment of a summer research student.
E.R. Tustanoff	Medical Research Council Medical Research Council	Equipment Grant. Studies of the control mechanisms of mitochondrial development and metabolism.
<u>Pathology</u>		
J.H. Choi	Ontario Heart Foundation	Immunohistochemical and electron microscopic studies of renal and cardiac arterioles in hypertensive rats.
D.G. Gardner	National Research Council  Medical Research Council	Studies on the oral tissues in certain systematic disorders. Studies on the oral tissues in certain systematic disorders.



<u>Grantee</u>	<u>Granting Agency</u>	<u>Description of Project</u>
<u>Pathology</u>		
M.D. Haust	Ontario Heart Foundation Medical Research Council Geographic Trust Fund	The role of plasma proteins in human atherosclerosis. Immuno-electron microscopic studies of human atherosclerotic lesions. Neuropathology Research.
A.C. Wallace	National Cancer Institute	Studies of the factors involved in spreading tumors to different areas of the body.
B.A. Warren	National Cancer Institute Medical Research Council	Cancer Research. Plasminogen activator activity of the endothelial cell.
<u>Pharmacology</u>		
E.H. Colhoun	Medical Research Council Medical Research Council Medical Research Council Medical Research Council	M.R.C. Associateship. M.R.C. Associateship Grant. Metabolism of Amines. To support research conducted by Dr. E.H. Colhoun.
C.W. Gowdey	National Cancer Institute Defence Research Board  Medical Research Council  Medical Research Council	Cancer Research. Studies on decompression aeroembolism. Equipment and supplies for Dr. Parker's research. Study of vasodilator mechanism during reoxygenation following hypoxia.
John T. Hamilton	Burroughs Wellcome Company Medical Research Council	Study on Bretylium. Closer study of the synaptic blockade produced by new and commonly-used agents.
M. Hirst	Medical Research Council	The effect of substitution in cholinomimetic agents.
J.M. Parker	Burroughs Wellcome Company Limited Defence Research Board  Delmar Chemicals Limited Research National Research Council  Medical Research Council	The study of pseudo-ephedrine and other amiens. Studies of low-dose incapacitating effects of organophosphorus compounds. Special research project.  Study of analgesics by operant behavioral techniques. Effect of drugs on different types of sleep.
R.B. Philp	Medical Research Council Medical Research Council	M.R.C. Fellowship Grant. Drug-induced alterations in platelet function.
<u>Physical Medicine Rehabilitation</u>		
Y.M. Archibald	Medical Research Council	An evaluation of four nonverbal cognitive tests for use in the differential diagnosis of brain damage.



<u>Grantee</u>	<u>Granting Agency</u>	<u>Description of Project</u>
<u>Physical Medicine Rehabilitation</u>		
M.G.P. Cameron	Geographic Trust Fund Geographic Trust Fund	Research on Aphasia. Travelling Fellowship - Dr. Olive J. Stewart.
	Department of National Health and Welfare Department of National Health and Welfare	Comparison of Rehabilitation Treatment Programs. Course for Physio-Occupational Therapists.
<u>Physiology</u>		
F.R. Calaresu	Ontario Heart Foundation	Control systems analysis of heart rate regulation by the vagus nerves in the cat.
	Medical Research Council	Physiological studies of central and peripheral pathways of cardiovascular and sexual reflexes.
J.B. Critz	Ontario Heart Foundation	The effect of graded hypoxia on efflux of tissue enzymes.
	Medical Research Council	Effect of stimulated exercise on serum enzyme levels.
P.G. Dellow	National Research Council	Hypothalamic relationships to oral and salivary function.
J.P. Girvin	Medical Research Council	Motor unit discharge in voluntary activity clonus and Parkinsonism.
J.E. Grace	Medical Research Council	M.R.C. Scholarship.
P.G.R. Harding	Medical Research Council Medical Research Council	M.R.C. Scholarship. Energy balance and lipid metabolism in the fetus.
P.F. Mercer	Medical Research Council Medical Research Council	Equipment Grant. Changes in the distribution of electrolytes in the kidney due to renal specific diuretic drugs and body sodium balance.
G.J. Mogenson	Medical Research Council	The role of the nervous and endocrine systems in the control of behavior.
A.A. Monjan	Medical Research Council	Role of steady potentials in the modulation of sensory systems.
J.J. Seguin	Muscular Dystrophy Association of Canada	Studies on the reflex regulation of movement and posture in muscular dystrophy.
	Medical Research Council	The role of proprioceptor mechanisms in shivering.
B.P. Squires	Medical Research Council	The regulation of pituitary and other polypeptide hormone secretion in animals and men.
G.W. Stavraky	Medical Research Council	Responses of partially isolated structures to chemical, reflex, and electric stimulation.
J.A.F. Stevenson	Defence Research Board	Metabolic reactions to dietary, temperature and traumatic stresses.



<u>Grantee</u>	<u>Granting Agency</u>	<u>Description of Project</u>
<u>Physiology</u>		
J.A.F. Stevenson	Medical Research Council	M.R.C. Fellowship Grant.
	Medical Research Council	M.R.C. Fellowship Grant.
	Medical Research Council	M.R.C. Fellowship Grant.
	Medical Research Council	The role of the nervous and endocrine systems in the regulation of energy, water and electrolyte exchange.
	Medical Research Council	Metabolic and endocrine regulation of nutritional state.
	Sundry Donors	Miscellaneous Research in Physiology.
<u>Psychiatry</u>		
G.E. Hobbs	Department of National Health and Welfare	Research Position in Epidemiology.
	Ontario Mental Health Foundation	A prospective study of the factors influencing the outcome of Schizophrenia.
	Ontario Mental Health Foundation	Associateship - Senior Psychiatrist.
	Ontario Mental Health Foundation	CMHA Niacin Project in Schizophrenia.
	Geographic Trust Fund	Department of Psychiatry Research.
F.G. Johnson	Ontario Mental Health Foundation	Attempted suicide in London, Ontario.
	Victoria Hospital	Salary of Research Assistant.
H.J. Thurlow	Ontario Mental Health Foundation	Illness in relation to the "life situation" and sick-role tendency.
<u>Surgery</u>		
S.E. Carroll	Geographic Trust Fund	Summer Student Research Fellowship.
	Geographic Trust Fund	For the purchase of Research Equipment.
	Geographic Trust Fund	Research project on surgical shock at St. Joseph's Hospital.
	Geographic Trust Fund	Special Research Travel Fund, Department of Surgery.
	Ontario Heart Foundation	To investigate myocardial hypoxia in hemorrhagic hypotension.
	St. Joseph's Hospital	Summer Research Students.
J.C. Coles	The Richard Ivey Foundation	Equipment Grant.
N.F. Gergely	Ontario Heart Foundation	Heterotopic and orthotopic canine cardiac homotransplantation with topical irradiation and/or hyperbaric oxygen treatment.
J. Girvin	Geographic Trust Fund	Research in the Department of Surgery.
A.D. McLachlin	Geographic Research Fund	For part of Research portion of salaries in the Department of Surgery.
	Estate of the late Col. J.E. Smallman	Urological Research
	Victoria Hospital	Undergraduate Medical Students
	Victoria Hospital	Surgical and Teaching Research Fund.
R.B. Passi	Geographic Trust Fund	Research in the Department of Surgery.



<u>Grantee</u>	<u>Granting Agency</u>	<u>Description of Project</u>
<u>Surgery</u>		
R.B. Passi	Geographic Trust Fund Geographic Trust Fund Sundry Donors	For the purchase of equipment. Department of Surgery Research. V.H. Animal Laboratory Fund.
Lionel Reese	Department of Health (Ontario)	Renal and Hypertensive Disease.
<u>Vice President Health Sciences</u>		
G.H. Reavely	The Richard Ivey Foundation	Special Research Project.
O. Warwick	The Richard Ivey Foundation	For General Research Purposes in the Health Sciences, comprising medicine, dentistry and nursing.

#### SCHOOL OF BUSINESS ADMINISTRATION

N. Armstrong	The Richard Ivey Foundation	Research Professorship.
R. Sproule	The Robert Markon Foundation	Research in the field of Politics and Business.
J. Wettlaufer	Ford Foundation Research Project Associates Fund United States Steel Foundation Task Force on Labour Relations	For the support of Doctoral Program in Business Administration. Research in Business Administration. Research in Business Administration. Employer approaches and practices in Industrial Relations.
F. Zabransky	International Business Machines Company	Research into a Management Information suitable for smaller companies.

#### SCHOOL OF NURSING

Amy Griffin	Department of Health (Ontario)	Students' Knowledge of Nursing.
C. Dauk	Department of Health (Ontario)	Preoperative Hysterectomy Patients.
V. Wood	The Richard Ivey Foundation	Special Research Project.

#### FACULTY OF LAW

G.M. Adler	Canada Council Urban and Regional Research	Policies and procedures of the Ontario Municipal Board.
R.G. Atkey	Canada Council Research Grant Department of Labour	Canadian Constitutional Law in a Modern Perspective. The Canadian Constitution and the Protection of the Public Interest in Labour Disputes.
M. Gropper	Canada Council Research Grant	Consumer Credit in Canada.
E.E. Palmer	Department of Labour	Responsible Decision-making in Democratic Trade Unions.



<u>Grantee</u>	<u>Granting Agency</u>	<u>Description of Project</u>
<u>MUSEUMS</u>		
W. Jury	Department of Tourism and Information	Ste. Marie I Project.
	Department of Tourism and Information	Penetanguishene Project.
<u>GENERAL</u>		
<u>Biochemistry</u>		
E.Y. Spencer	Allied Chemical Corporation	The action of vinyl phosphorthionates in selective toxicity.
<u>Office of President</u>		
D.C. Williams	National Research Council	Scientific Research Special
<u>COLLEGE OF EDUCATION</u>		
<u>Commercial Education</u>		
J.E. Walsh	University of Western Ontario	Research in Commercial Education.
<u>English</u>		
P.J. Linden	University of Western Ontario	The contractual system of teaching English at Newton Centre, Mass.
<u>Geography and Geology</u>		
R.C. Langman	University of Western Ontario	The effect of the Napanee limestone plain upon the land use and settlement patterns, of the Belleville-Kingston area.
<u>Guidance ACE</u>		
P.K. Schmidt	University of Western Ontario	Guidance Research Study.
<u>History of Education</u>		
W.B. Hamilton	University of Western Ontario	Nova Scotia Education History Research Project.
J.D. Purdy	University of Western Ontario	The educational ideas and practices of John Strachan.
D.G. Simpson	University of Western Ontario	The education of negroes in nineteenth century Ontario.
R. Stamp	University of Western Ontario	History of Canadian Education.
<u>History</u>		
G. Milburn	University of Western Ontario	Curriculum Projects in History.
<u>Mathematics</u>		
G.B. Lawson	University of Western Ontario	Research on training of Mathematic Teachers.



<u>Grantee</u>	<u>Granting Agency</u>	<u>Description of Project</u>
<u>Philosophy</u>		
V.A. Howard	University of Western Ontario	Research in Philosophy.

Psychology and Sociology

J.G. McMurray	University of Western Ontario	Student Evaluation Study.
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Science

J.S. Wright	University of Western Ontario	Science Curricula.
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FACULTY OF DENTISTRY

W.J. Dunn	Medical Research Council	For the assistance of research. To provide Summer Scholarships in the Faculty of Dentistry. Special summer undergraduate research assistantships.
	Medical Research Council	
	National Research Council	

K. Hoshino	Medical Research Council	Studies on salivary glands in mice.
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Paediatric Dentistry

W.H. Feasby	Department of National Health and Welfare	Dental Eruption.
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W.S. Hunter	Medical Research Council	Timing, amount, and variability of human facial growth. Timing, amount and predictability of Human Facial Growth.
	National Research Council	



APPENDIX E  
VISITING PROFESSORS



UNIVERSITY COLLEGE

(Period of Visit, unless otherwise stated, July 1, 1968 to June 30, 1969)

Department of Economics

- PROFESSOR JAGDISH BHAGWATI,  
Massachusetts Institute of Technology "Distortions: Welfare Effects and Optimal Policies". Nov. 27-29, 1968.
- PROFESSOR VINCENT W. BLADEN,  
University of Toronto "The History of Economic Thought". April 2, 1969.
- JOHN BOSSONS,  
University of Toronto "Determinants of Expectations: Resolving an Aggregation Paradox". April 12, 1969.
- PROFESSOR MURRAY BROWN,  
State University of New York at Buffalo "An Integration of the Sales & Profit Maximization Hypotheses". Nov. 29, 1968.
- JACK CARR,  
University of Toronto "A Dynamic Monetary Model of Business Fluctuations". April 12, 1969.
- PROFESSOR RICHARD COOPER,  
Yale University "Currency Devaluations in Developing Countries: An Assessment". April 9-11, 1969.
- M. DAGENAIS,  
University of Montreal "Further Suggestions on the Use of Incomplete Observations in Regression Analysis". May 5-8, 1969.
- FRANKLIN M. FISHER  
M.I.T. "Review of the problems of Aggregation". May 5-8, 1969.
- PROFESSOR JAMES HENDERSON  
University of Minnesota "A Model of World Trade". Feb. 4-6, 1969.
- PROFESSOR DALE JORGENSON,  
University of California, Berkeley 1. "Tax Policy and Investment Behavior".  
2. "Predictive Testing with Applications to Investment". March 12-14, 1969.
- LAWRENCE R. KLEIN,  
University of Pennsylvania "Review of some major area of current Theoretical Research". May 5-8, 1969.
- DR. A.A. KWAPONG  
University of Ghana "Economic Development in Ghana". Sept. 5, 1968.
- MR. H.E.T. LAWRENCE,  
External Aid Office "Economic Development in Ghana". Sept. 5, 1968.
- PROFESSOR JOHN MEYER,  
Yale University "New Research Directions in Economics and some Potential Implications for Research Method". Oct. 30-Nov. 1, 1968.
- MR. J.W. MORROW,  
Canadian Department of Consumer and Corporate Affairs, Ottawa "Economic Council of Canada's Review of Combines Investigation Act re Combination in Restraint of Trade in the Service Industries". Feb. 18, 1969.
- PROFESSOR PHILIP A. NEHER,  
University of British Columbia "National Saving Behavior and the Balance of International Indebtedness". Dec. 10, 1968.



PROFESSOR R. SATO,  
Brown University

"The Theory of Derived Demand and the Hicksian Conditions". Dec. 4-6, 1968.

GORDON R. SPARKS,  
Queen's University

"An Econometric Approach to the Analysis of Portfolio Decisions".

"The Demand for Liquid Assets in the United States".

"The Almon Approach to Distributed Lags". May 5-8, 1969.

H. TSURUMI,  
Queen's University

"Non-linear Two-Stage Least Squares Estimation of CES Production Functions Applied to the Canadian Manufacturing Industries, 1926-39, 46-67". May 5-8, 1969.

PROFESSOR MEL WATKINS,  
University of Toronto

"Foreign Investment in Canada". April 9, 1969.

Department of English

PROFESSOR DONALD CHENEY,  
University of Massachusetts

"Spenser's Hermaphrodite: Problems of Closure in The Faerie Queene". March 25, 1969.

PROFESSOR DAVID DELAURA,  
University of Texas

"Arnold, Clough, Dr. Arnold, and 'Thyrsis'". March 28, 1969.

PROFESSOR R. FOAKES,  
University of Kent

"Yeats and the Question-mark". Nov. 1, 1968.

PROFESSOR C.A. PATRIDES,  
University of York

"The High and Aiery Hills of Platonisme": a Reading of the Cambridge Platonists. March 11, 1969.

PROFESSOR F.E.L. PRIESTLEY,  
University of Toronto.

"Mill and Comte". Jan. 29, 1969.

Department of French

PROFESSOR HEDI BOURAOUI,  
York University

"Teaching oral French". May 7, 1969.

PROFESSOR CECIL P. COURTNEY,  
University of Cambridge

"Montesquieu and 18th Century French literature". July 1, 1968-June 30, 1969.

PROFESSOR RONALD GRIMSLEY,  
University of Bristol

"The feeling for existence in Rousseau and Kierkegaard". Jan. 22, 1969.

PROFESSOR PHILIP KOLB,  
University of Illinois

"Proust: the making of a novel". Nov. 6, 1968.

PROFESSOR JEAN MESNARD,  
University of Bordeaux

"L'ironie dans les Pensées de Pascal". Oct. 31, 1968.

PROFESSOR ROBERT SHACKLETON,  
University of Oxford

"L'Encyclopedie and Montesquieu, Voltaire and the beginnings of the French enlightenment. Oct. 4, 1968.



DR. H.H. STERN,  
O.I.S.E., Toronto "University language departments". Nov. 22, 1968.

PROFESSOR KURT WEINBERG, "Camus and 'l' etranger' ". Nov. 28, 1968.

PROFESSOR ARTHUR WILSON,  
Dartmouth College "The state of Diderot research". March 28, 1969.

Department of Physical and Health Education

PROFESSOR D.M. BAILEY,  
University of Saskatchewan "Ethics in Physical Education". March 27-28, 1969.

DR. FRANK HAYDEN,  
The Joseph P. Kennedy Jr. Foundation "The Special Olympic Training Program for Retarded Children" and film "Happening in Chicago". March 27-18, 1969.

PROFESSOR MAX HOWELL,  
University of Alberta "Comparative Physical Education in Canada, Japan, Russia, Australia, etc." March 27-28, 1969.

PROFESSOR BILL ROSS,  
Simon Fraser University "Growth and Development Studies: An Anthropometric View". March 27-28, 1969.

Department of Sociology

PROFESSOR R. CONANT  
Brandeis University "Ghetto Uprisings in the United States".

PROFESSOR O. FRIEDMAN  
University of Reading "Political Sociology".

MIDDLESEX COLLEGE

(Period of Visit, unless otherwise stated, July 1, 1968 to June 30, 1969)

Department of Geography

ALICE COLEMAN, ASSOCIATE PROFESSOR, July 1, 1968 to June 30, 1969.  
King's College, University of London,  
London, England

I.H. DAVIS, ASSISTANT PROFESSOR, July 1, 1968 to Dec. 31, 1968.  
University of Queensland,  
Brisbane, Australia

Department of Psychology

DR. DAVID BAKAN,  
York University "The Historical and Experimental Method in Psychology." Dec. 18, 1968.

DR. PETER DODWELL,  
Centre for Advanced Studies, Palo, Alto. "Pattern Recognition". Jan. 6, 1969.

DR. GRAHAM FOULDS,  
Medical Research Council, University of  
Edinburgh, spent a year in the department  
as a Canadian Commonwealth Scholar. July 1, 1968 to June 30, 1969.



DR. RICHARD HELD,  
Massachusetts Institute of Technology

"Plasticity in Sensorimotor Co-ordination".  
Feb. 4, 1969.

DR. BRENDA MILNER,  
Montreal Neurological Institute,  
McGill University

"Selective Impairments Associated with Left and  
Right Hemisphere Lesions in Man". Jan. 30, 1969.

DR. CHARLES E. OSGOOD,  
Director, Institute of Communications  
Research, University of Illinois

"The Semantics of International Politics".  
March 7, 1969.

DR. IMRE SZABO (Hungary),  
McGill University

"A Theory of Reward Stimulation: Electrical  
Stimulation of the Cat's Hypothalamus".  
March 28, 1969.

Department of Spanish and Italian

DR. JESUS LOPEZ PACHECO,  
Associate Professor, Madrid, Spain

FACULTY OF SCIENCE

(Period of Visit, unless otherwise stated, July 1, 1968 to June 30, 1969)

Department of Applied Mathematics

PROFESSOR GEORGE TEMPLE, C.B.E., F.R.S., "Lesbesgue Integration Without Tears" and  
former Sedleian Professor of Natural "Wheel Wobble". May 26-27, 1969.  
Philosophy, Oxford.

Department of Chemistry

PROFESSOR R.J.H. CLARK,  
University College, London

"Spectroscopy of Metal Compounds" Sept. 30,  
October 1, 8, 10, 11, 15, 16, 1968.

PROFESSOR E. ESCHENMOSER,  
Swiss Federal Institute of Technology, Zurich

"Studies in Organic Synthesis".  
September 24-26, 1968.

PROFESSOR P. GRAY,  
University of Leeds, England

"Theoretical and Experimental Aspects of  
Thermal Explosions", June 2, 4, 6, 10, 12, 17, 19,  
1969.

PROFESSOR E. LEDERER, ICNS, CNRS,  
Gif-sur-Yvette, France

"Series on Biosynthetic Problems Involving Some  
Applications of Mass Spectrometry".  
October 10, 11, 15, 17, 18, 1968.

PROFESSOR A. MACCOLL,  
University College, London

"Mass Spectrometry and Kinetics". April 22, 24, 29,  
May 1, 6, 7, 13, 15, 1969

PROFESSOR F. MCLAFFERTY,  
Cornell University, New York

"Recent Advances in Molecular Mass Spectrometry".  
February 10, 12, 14, 17, 18, 20, 1969

PROFESSOR L. SALEM,  
University of Paris, France

"Molecular Orbital Theories of Concerted  
Reactions". Jan. 14, 15, 17, 20, 22, 24, 1969.

PROFESSOR B.L. SHAW,  
University of Leeds, London

"Recent Developments in the Chemistry of Group  
VIII Metal Complexes". March 4, 6, 10, 11, 13, 18, 20,  
1969.



PROFESSOR J. SICHER,  
Institute of Organic Chemistry and  
Biochemistry, Prague

"The Stereochemistry of Bimolecular  
Elimination Reactions". Feb. 24, 1969.

DR. G.E. ZAIKOV,  
Academy of Sciences of the USSR, Moscow

"Role of the Medium in Radical-Chain  
Oxidation Processes". Sept. 10, 1968.

Department of Geology

MR. GEORGE HRUSKA,  
Visiting Scientist, Prague

Working on Computer Applications with  
P.G. Sutterlin for nine months, May 1969.

Department of Mathematics

PROFESSOR J. AITCHISON,  
Department of Statistics,  
University of Glasgow, Scotland

"Problems of Treatment Allocations",  
"Statistical Problems of Treatment Allocation",  
"Golf", "Purposeful Prediction", and "The  
Diary of a Statistical Consultant". May 20—  
June 3, 1969.

DR. T.S. BLYTH,  
Lecturer,  
St. Andrews University, Scotland

July 1, 1968 to June 30, 1969.

PROFESSOR L.S. BOSANQUET,  
University College, London

"Summability". July-August 1968.

Department of Physics

DR. BERNARD VONNEGUT,  
Department of Atmospheric Science,  
Suny, Albany

Lectures to graduate students, general colloquium  
in the area of Atmospheric Electricity. April 1, 3,  
1969.

Department of Zoology

DR. W.H. COTTLE,  
University of Alberta, Alberta

"Thyroid Function in Small Mammals Exposed  
to Cold". October 9, 1968.

DR. V.D. VLADYKOV,  
University of Ottawa, Ottawa

"New Findings on the Biology of the American  
Eel, *Anuilla Rostrata*". November 27, 1968.

TALBOT COLLEGE

(Period of Visit, unless otherwise stated, July 1, 1968 to June 30, 1969)

Department of Classics

DR. G.D. KILPATRICK,  
University of Oxford

"Jews and Christians in Roman Egypt".  
October, 1968.

Department of Fine Art

DR. JOAN VASTOKAS,  
Department of Fine Art and Anthropology,  
University of Toronto

"Primitivism in Modern Painting, Nov. 28, 1968.  
"Northwest Coast Architecture as Symbolic  
Form". Nov. 20, 1968.



Department of History

- PROFESSOR D. ALDEN,  
University of Michigan "Black Robes vs. White Settlers in Colonial Brazil". March 20, 1969.
- PROFESSOR WILLIAM DRAY,  
Trent University "Historical Causation". February 6, 1969.
- W.J. ECCLES,  
Toronto "The Old Regime in Canada". April 3, 1969.
- MR. JOHN HARBORN,  
Assistant Editor, Toronto Telegram "Social Change in Latin America". April 10, 1969.
- MR. ALEXANDER VON HASE,  
Federal Press Office,  
Federal Republic of Germany "Foundation of German Democracy",  
Nov. 15, 1968.
- MR. JOHN HOLMES,  
Canadian Institute of International Affairs "International Affairs", October 21, 1968.
- PROFESSOR C.J. JAENAN,  
University of Ottawa "The Old Regime". October 21, 1968.
- PROFESSOR H.R. LYNCH,  
State University of New York, Buffalo "Soviet Union". November 22, 1968.
- DR. B. POLKA,  
York University "Renaissance Historiography" Dec. 10, 1968.
- PROFESSOR CHARLES SCHLACKS,  
Loyola College, Montreal "Soviet Union", Dec. 12, 1968.
- PROFESSOR HERWARD SENIOR,  
McGill University "Orange Order in Canada". Jan. 8, 1969.
- MR. GRAHAM SPRY,  
Ottawa "C.C.F. Party", March 17, 1969.
- PROFESSOR A.M. WILSON,  
Columbia University "The Enlightenment". March 29, 1969.

Department of PhilosophyParticipants in Annual Fall Colloquium

- PROFESSOR BRUCE AUNE,  
University of Massachusetts "Agent, Action and Reason". November 1-3,  
1968.
- PROFESSOR DAVID BRAYBROOKE,  
Dalhousie University "Commentator". November 2, 1968.
- PROFESSOR RODERICK CHISHOLM,  
Brown University Session Chairman. November 3, 1968.
- "On the Logic of Intentional Action".  
November 2, 1968.



- PROFESSOR JAMES CORNMAN,  
University of Pennsylvania  
Commentator, November 1, 1968.
- PROFESSOR DONALD DAVIDSON,  
Princeton University  
"Agency", November 1, 1968.
- PROFESSOR B.J. DIGGS,  
University of Illinois at Urbana  
Session Chairman. November 2, 1968.
- PROFESSOR W.H. DRAY,  
Trent University  
Session Chairman. November 1, 1968.
- PROFESSOR DAVID GAUTHIER,  
University of Toronto  
Commentator. November 2, 1968.
- PROFESSOR R.M. HARE,  
Oxford University  
"Wanting, Some Pitfalls". November 3, 1968.
- PROFESSOR DAVID PEARS,  
Oxford University  
"Two Problems about reasons for Actions".  
November 2, 1968.
- PROFESSOR CHARLES TAYLOR,  
McGill University  
Session Chairman. November 2, 1968.
- PROFESSOR IRVING THALBERG,  
University of Illinois at Chicago Circle  
Commentator. November 3, 1968.
- Other Visiting Lecturers
- PROFESSOR HENRY HIZ,  
Department of Linguistics,  
University of Pennsylvania  
"Alethic Semantic Theory". April 11, 1969.
- PROFESSOR CLIFFORD HOOKER,  
York University  
"A Quantum View of Reality". March 13, 1969.

#### FACULTY OF MEDICINE

(Period of Visit, unless otherwise stated, July 1, 1968 to June 30, 1969)

##### Department of Biophysics

- PROFESSOR T.M.S. CHANG,  
Medical Research Associate,  
McGill University, Montreal  
"The Feasibility of Artificial Cells". (Sponsored jointly by Departments of Biophysics, Medicine, Surgery, Cancer Research, Biochemistry and Pharmacology.) Victoria Hospital and U.W.O., March 24-28, 1969.
- PROFESSOR M.J. LIGHTHILL,  
Royal Society Research Professor,  
Imperial College of Science & Technology,  
University of London, London, England  
"Hydromechanics of aquatic animal propulsion, with special emphasis on movement of the fastest fish and marine mammals". (Sponsored jointly by the Departments of Applied Mathematics and Biophysics.) May 28, 1969.
- PROFESSOR RODERIC B. PARK,  
Department of Botany,  
University of California, Berkeley  
"The architecture of photosynthetic membranes". (N.R.C. Visiting Lecturer plan.) February 21, 1969.



Department of Community Medicine  
Subdepartment of Epidemiology & Preventive Medicine

DR. B.H.G. CURRY,  
 Medical Director,  
 The Workmen's Compensation Board, Toronto

"Workman's Compensation". February 19, 1969.

DR. E. MASTROMATTEO,  
 Chief, Occupation Health Services,  
 Environmental Health Branch, Toronto

"Industrial Hazards". February 5, 12, 1969.

Subdepartment of Family Medicine

DR. ROBERT FROELICH,  
 Associate Professor of Psychiatry,  
 University of Missouri

"Family Medicine". March, 1969.

Department of Medicine

DR. J. PEPYS,  
 Professor of Immunology, Institute of  
 Diseases of the Chest, Brompton Hospital,  
 London, England.

"Allergic Pulmonary Disease". October 29, 1968.

DR. G.P. RODNAN,  
 Professor of Medicine, School of Medicine,  
 University of Pittsburgh

"Collagen Metabolism in Progressive Systemic Sclerosis". (Wallace R. Graham Lecturer for 1968.) December 13, 1968.

DR. D.J. MCCARTY,  
 Professor of Medicine, Department of  
 Medicine, University of Chicago

"Rheumatoid Inflammation — Observations on its Genesis and Treatment". (Wallace R. Graham Lecturer for 1969.) April 11, 1969.

DR. S. NIEWIAROWSKI,  
 Head of the Department and Professor of  
 Physiological Chemistry, Bialystok, Poland  
 and Visiting Professor of Medicine, Tufts  
 University School of Medicine, Lemuel  
 Shattuck Hospital, Boston, Massachusetts.

"Fibrinolysis and Platelets". May 27, 1969.

Department of Obstetrics and Gynaecology

PROFESSOR ROBERTO CALDEYRO BARCIA, Internationally renowned for his research on the mechanism of labor, studies of the fetus prior to and during labor and the development of oxytocic drugs. He lectured informally in this area of medicine. July 11, 1968, July 13, 1968.

MR. DONALD FRASER,  
 Head of the Department of Obstetrics  
 and Gynaecology at St. Bartholomew's  
 Hospital since 1964.

Member of the Royal College of Obstetricians and Gynaecologists and for the past three years has been Chairman of the Examinations Committee of that College. October 2, 5, 1968.

DR. JAMES S. KRIEGER,  
 Chief of Gynecology at the Cleveland Clinic

"Epidemiological Aspects of Diseases of the Female Genital Tract". Nov. 6, 1968.

DR. FRANK LOCK,  
 Emeritus Professor of Obstetrics and  
 Gynaecology, Bowman-Gray School of  
 Medicine, Winston Salem, North Carolina

'Premarital and Marital Counselling and also on Psychosexual Problems'. May 28, 1969.



Department of Pathological Chemistry

DR. DAVID RUBINSTEIN,  
Associate Professor of Biochemistry,  
McGill University

"Metabolism of Low Density Lipoproteins".  
March 28, 1969.

DR. FRASER MUSTARD,  
Professor and Head, Department of  
Pathology, McMaster University, Hamilton

"Response of the Blood to Injury". (Sponsored  
by Path. Chem.) March 31, 1969. "Factors  
Influencing the Development of Atherosclerosis".  
(Sponsored by Path. Chem.) April 1, 1969.  
"Thromboembolic Disease". (John A. Macgregor  
Memorial Lectureship) April 1, 1969.

Department of Pathology

DR. HENRY HOFF,  
American Heart Foundation Fellow,  
Deutsche Forschungsanstalt für Psychiatrie,  
Max-Planck-Institut, Munich, Germany.

"The ultrastructure of the walls of blood vessels,  
(with special reference to changes after the  
injection of lipids and lipoproteins into the lumen)".  
May 27, 1969.

DR. J.F. MUSTARD,  
Professor and Head, Department of  
Pathology, McMaster University, Hamilton

"Factors influencing the development of  
atherosclerosis". Disturbance of Microcirculation  
in Inflammation. (John A. MacGregor Memorial  
Lecture) April 1, 1969.

Department of Physiology

PROFESSOR J. ANTAL,  
Director, Institute of Physiology, Medical  
Faculty, University Komenskeho,  
Bratislava, Czechoslovakia.

"The Responses of the Cardiovascular System to  
Feeding and to Exercise". August 12-13, 1968.

DR. GIAN L. AVANZINO,  
Department of Human Physiology,  
University of Genoa, Italy.

"Central and Peripheral Synaptic Transmission"  
September 9, 1968.

PROFESSOR R.W. DOTY,  
Centre for Brain Research, University of  
Rochester, Rochester, New York

May, 1969.

PROFESSOR CHARLES M. DOWSE,  
Head, Section of Physiology, Department  
of Oral Biology, University of Manitoba,  
Winnipeg, Manitoba.

April 22-23, 1969.

DR. JEAN JACQUES DREIFUSS,  
Institut de Physiologie, Université de  
Geneva, Switzerland.

"Interrelationships between the Amygdaloid  
Nuclei and the Hypothalamus". Nov. 8, 1968.

DR. JIRI HELLER,  
Physiology and Pathophysiology, Institute  
for Cardiovascular Research, Prague

"Proximal Tubular Reabsorption During Saline  
Loading in the Rat". July, 1968.

DR. BRANISLAV LICHARDUS,  
Institute of Endocrinology, Slovak Academy  
of Sciences, Bratislava, Czechoslovakia

"Diuresis in Response to Expansion of the  
Extracellular Fluid Volume". November 1, 1968.



DR. ROY F. MOTTRAM,

"Human Muscle Metabolism" and "Integrated Education". September 12-13, 1968.

DR. STELIOS NICOLAIDIS,  
College de France, Paris, France

"Discriminatory Responses of Hypothalamic Osmosensitive Units to Gustatory Stimuli in Cats". September 6, 1968.

DR. KEITH OATLEY

"Control Systems Analysis of Thirst".  
September 16, 1968.

DR. J.W. PEARCE,  
Department of Physiology, University of  
Toronto

"Volume Receptors and Sodium Homeostasis".  
April 22, 1969.

DR. CANIO POLOSA,  
Assistant Professor, Department of  
Physiology, McGill University, Montreal

"Oscillatory Behavior of the Sympathetic  
Nervous System". March 31, 1969.

DR. FRIEDRICH SANIDES,  
Department of Anatomy, University of  
Ottawa

"Comparative and Evolutionary Aspects of  
Mammalian Neocortex", "Neurohistological  
Techniques" November 11-13, 1968.

DR. ANN SILVER,  
ARC Institute of Animal Physiology,  
Babraham, England

An informal discussion was held with Dr.  
Silver concerning her research on the  
hypothalamus of the guinea pig.

DR. ANTON B. STEFFEN,  
Zoological Laboratory, State University  
of Gronigen, Haren (Gr),  
The Netherlands

"Blood Composition in Relation to the Mean  
Pattern in the Rat". Sept. 19, 1968.

DR. E. VALENSTEIN,  
Fels Research Institute, Yellow Springs,  
Ohio.

Presented an analysis of his research to the  
Department. April 1969.

Department of Diagnostic Radiology

DR. LEW CAREY

"Lumps and Bumps fo the Cardiac Silhouette"  
May 7, 1969.

Department of Surgery

DR. DOUGLAS ACKMAN

Two films presented to the Urological Staff:  
"Teaching Model

D.W. ATKINSON, ESQ., F.R.C.S.  
Chief of Urology, University of West  
Indies, Jamaica.

April, 1969.

PROFESSOR CHRISTIAN BARNARD

"Human Heart Transplant". Spring 1968.

DR. THOMAS CHANG,  
Associate Professor, Biophysics,  
McGill University

"Feasibility of Artificial Cells". March 24-28,  
1969.

DR. HASTINGS,  
Montego Bay, Jamaica

October 1968.



DR. CARROLL A. LAURIN,  
University of Montreal

February 1969.

DR. J.F. MURRAY,  
Toronto

August 1968.

MR. IAN MCGREGOR,  
Plastic Surgeon, Glasgow, Scotland

"Z Plaster". "C.R. of the Month". November 1968.

MR. IAN TANNOCK,  
Surgeon, Royal Marsden Hospital,  
Sutton, Surrey, England

"Treatment of Advanced Casonoma of the Breast". Dec. 9, 1968.

PROFESSOR R. MILES WALKER, and MRS. WALKER,  
Vice-President of the Royal College of  
Surgeons, England

#### FACULTY OF NURSING

(Period of Visit, unless otherwise stated, July 1, 1968 to June 30, 1969)

PROFESSOR VIRGINIA HENDERSON,  
Research Associate, School of Nursing,  
Yale University, New Haven, Connecticut.  
Director of Nursing Studies Index Project.

"Nature of Nursing". (Three-day seminar)  
June 16-18, 1969.

#### FACULTY OF LAW

(Period of Visit, unless otherwise stated, July 1, 1968 to June 30, 1969)

PROFESSOR DONALD R. HARRIS,  
B.A., LL.B. (New Zealand), B.C.L., M.A.  
(Oxon), Barrister, New Zealand and Inner  
Temple, Oxford University.

During his year at Western, Professor Harris  
taught Contracts and Torts in first year. One  
of the original advisers to the Student Defender  
Program.

#### FACULTY OF ENGINEERING SCIENCE

(Period of Visit, unless otherwise stated, July 1, 1968 to June 30, 1969)

DR. T. ALLAN  
Reader in Mechanical Engineering Group,  
University of Strathclyde, Glasgow, Scotland,  
Mechanical Engineering

"Laser Holography". January 8 to July 18, 1969.  
"Novikov Gears"

PROFESSOR D.L. ALLEN,  
Department of Mechanical Engineering,  
University of Toronto

"Proposed Canadian Society of Mechanical  
Engineers". April 9, 1969.

PROFESSOR S.A. ALPAY,  
Department of Mechanical Engineering,  
University of Waterloo

Guest lecturer in ES414 – Fluid Power Controls  
to the Chemical and Mechanical Group under-  
graduates. January to May 1969.

BRIG. GENERAL JEAN PAUL CARRIERE,  
President, Engineering Institute of Canada,  
Managing Director, Frankis of Canada Ltd.,  
Montreal, Quebec.

Video-taped a talk for students on the history of  
Canadian Engineering. May 14, 1969.



- DR. R.A. GRACE,  
Oceanographic Civil Engineer,  
University of Hawaii, Hawaii
- DR. I. HOLUBEC,  
Theoretical Soil Mechanics Engineer,  
University of Waterloo, Waterloo, Ontario
- DR. G. MCPHERSON,  
Supervisor, Heat Transfer Section, A.E.C.L.,  
Chalk River Nuclear Laboratory.  
Honorary or Adjunct Professor at The  
University of Western Ontario
- DR. M. NOVAK,  
Associate Professor,  
Czechoslovakian Academy of Science,  
Prague
- DR. C. SZECHY,  
Professor, University of Budapest, Hungary
- PROFESSOR B. TABARROK,  
Assistant Professor, University of Toronto
- W.G. TATASUK,  
Manager, Nuclear Fuel Engineer,  
Canadian General Electric Company,  
Peterborough
- "General Uses of Soil Mechanics in the Sea and  
Along the Coasts". (Seminar) March 17-19, 1969.
- "Research on the Stress-Strain characteristics  
of lakes in less soil". February 3, 1969.
- "Two-Phase Heat Transfer". (Seminar)  
March 12, 31, 1969.
- July 31, 1968 to June 30, 1969.
- "Foundation Engineering and Tunnel Design".  
(Special courses) Sept. to Dec. 1968.
- "Vibration Analysis". (Seminar). Feb. 12, 1969.
- "Analyst of Reaction Fuel Performance".  
(Seminar) March 20, 1969.

#### SCHOOL OF LIBRARY AND INFORMATION SCIENCES

(Period of Visit, unless otherwise stated, July 1, 1968 to June 30, 1969)

- KEYES D. METCALF,  
Emeritus Director of Libraries,  
Harvard University
- WYLLIS E. WRIGHT,  
Librarian, Williams College
- "Administration and Library Architecture".  
Nov. 11-12, 1968.
- "Union List of Serials". "Code Revision".  
March 19-21, 1969.

#### KING'S COLLEGE

(Period of Visit, unless otherwise stated, July 1, 1968 to June 30, 1969)

- MARVIN EISENBERG,  
University of Michigan
- PAUL L. GRIGAUT,  
Associate Director, The University of Michigan,  
Museum of Art
- EDWARD B. HENNING,  
Curator of Contemporary Arts, Cleveland  
Museum
- ELLEN H. JOHNSON,  
Oberlin College
- "Craft of Early Italian Painting". Feb. 13, 1969.
- "Connoisseurship". January 30, 1969.
- "Evaluation and Evolution in Modern Art".  
January 16, 1969.
- "Vincent Van Gogh". January 23, 1969.



CLIFTON OLDS,  
University of Michigan

"Light and Colour in Medieval Art". Feb. 6, 1969.

RICHARD E. SPEAR,  
Oberlin College

"Domenichino Revisited". Feb. 20, 1969.

#### SCHOOL OF BUSINESS ADMINISTRATION

(Period of Visit, unless otherwise stated, July 1, 1968 to June 30, 1969)

PROFESSOR M. THOMAS KENNEDY  
Harvard

"Major Problems of the Future in Labor Relations". Nov. 7, 8, 1968.

PROFESSOR ALVA KINDALL  
Harvard

"The Motivation of People Through Management by Objectives". March 31–April 1, 1969.

#### ALTHOUSE COLLEGE OF EDUCATION

(Period of Visit, unless otherwise stated, July 1, 1968 to June 30, 1969)

MR. LLOYD DENNIS,  
Co-chairman of the Provincial Committee  
of Aims and Objectives of Education in the  
Schools of Ontario

"Living and Learning". September 24, 1968.

DR. EDWIN FENTON,  
Director, Carnegie Education Center,  
Carnegie-Mellon University

"Modes of Inquiry in History and the Social Sciences". February 18, 1969.

DR. D.G. IVEY,  
Principal, New College University of  
Toronto

"Education—Art or Science?" October 8, 1968.

DR. W.E. LAMBERT,  
Professor, Department of Psychology,  
McGill University

"Motivation and language—Psychological Aspects". November 19, 1968.



APPENDIX F  
ONTARIO SCHOLARSHIPS - 1968



## ONTARIO SCHOLARS - 1968.

The following is a list of students who have been awarded a scholarship of \$150.00 by the Ontario Government for attaining an average of at least 80% on seven Grade 13 Units.

<u>Name of Student</u>	<u>Home Address</u>	<u>College</u>	<u>Program</u>
Aicken, Sharon Louise	Woodstock	UC	Humanities
Aldis, Hugh Warren	Goderich	CS	Natural Science
Allan, Sheila Margaret	London	N	Nursing
Alldrick, Dani James	Grimsby	CS	Natural Science
Allems, Darlene Loretta	Kitchener	UC	Humanities
Allen, Sandra Lynn	Strathroy	TC	Humanities
Alton, William John	London	TC	Social Science
Anderson, Alan Dean	Sarnia	CS	Natural Science
Angehrn, Patricia Ann	Ingersoll	CS	Natural Science
Ankenman, Kathleen Ruth	St. Thomas	UC	Secretarial Science
Annett, Douglas John	St. Marys	E	Engineering Science
Antenbring, Lois Maureen	Sarnia	TC	Social Science
Armstrong, Ann Raye	Niagara Falls	MC	Social Science
Armstrong, Roberta Gail	London	MC	Humanities
Arvay, Joseph James Mark	Welland	HC	Pre-Business
Austin, Edith Georgina	Wingham	TC	Social Science
Austin, Michael Joseph	Chatham	CS	Natural Science
Bagnall, Mary Elizabeth	London	TC	Social Science
Bagnall, Stephen James	London	CS	Natural Science
Bailey, Carol Anne	London	CS	Natural Science
Baillie, Peter Wilton	Oakville	HC	Pre-Business
Baker, Henry Harlyn	London	CS	Natural Science
Ball, Margaret Judith	Toronto	UC	Secretarial Science
Barrett, Lynn Ann	Weston	UC	Secretarial Science
Bates, Gordon Steven	London	CS	Natural Science
Beihl, Madjana-Anita	London	TC	Humanities
Belcher, Joanne Elizabeth	Strathroy	UC	Social Science
Belcher, Kenneth Lawrence	London	TC	Pre-Business
Bennett, Diane Gail	Toronto	UC	Humanities
Benton, Donna Joyce	Prescott	N	Nursing
Birchall, Monica Aileen	Toronto	MC	Social Science
Bixenman, Wayne William	London	CS	Natural Science
Black, Robert Iain	London	CS	Engineering Science
Blanchard, Susan Irene	Port Arthur	N	Nursing
Boettger, Susan Ellen	Kitchener	N	Nursing
Bognar, Carl Joseph Thomas	Hamilton	KC	Humanities
Bohdanowicz, Alexander P.	London	CS	Natural Science
Bolt, Brian David	St. Thomas	MC	Social Science
Bourne, Mary Elizabeth	Elliott Lake	CS	Natural Science
Bowman, Catherine Emily	Richmond Hill	CS	Natural Science
Bowman, Diane Marie	Hamilton	CS	Natural Science
Boyer, Carol Jean	London	HC	Humanities
Bright, Susan Elizabeth	Port Arthur	CS	Natural Science
Bronskill, Steven Paul	Islington	CS	Natural Science
Brooks, Penny Louise	Windsor	CM	Music
Brown, Patrick Edward	Arthur	CS	Natural Science



<u>Name of Student</u>	<u>Home Address</u>	<u>College</u>	<u>Program</u>
Brown, Valerie Rose	London	UC	Humanities
Brownell, Ron Delbert	St. Thomas	CS	Natural Science
Bunt, Wendy Elizabeth	Windsor	TC	Social Science
Buss, Edith Edeltrant	Midland	MC	Social Science
Butler, Ann Doreen	Port Colborne	MC	Humanities
Byers, Marcia Lorraine	Dorchester	HC	Social Science
Cairncross, John Gregory	Kitchener	CS	Natural Science
Campbell, Catherine Helen	Ottawa	TC	Social Science
Cartwright, Margaret Ann	Brantford	UC	Humanities
Case, Laurie	Chatham	UC	Humanities
Ceponis, Donna Marie	Sarnia	TC	Humanities
Chapman, Christine Elaine	Windsor	CS	Natural Science
Clare, James Ross	Streetsville	CS	Natural Science
Clark, Susan Jane	Toronto	CS	Natural Science
Cochrane, Anne Henderson	Petrolia	TC	Humanities
Colling, Sharon Elaine	Ripley	UC	Secretarial Science
Cooper, John Alexander W.	Tillsonburg	CS	Natural Science
Craig, Shirley Margaret	Sault Ste. Marie	BR	Humanities
Crews, Elizabeth Wendy W.	Trenton	CS	Natural Science
Curran, Beverley Gordon	London	TC	Social Science
Currie, Barbara Helen	Ingersoll	HC	Humanities
Cusack, Susan Elizabeth	London	UC	Home Economics
Davies, Brenda Margaret	Dresden	TC	Social Science
Davidson, Barry Hilton	Burford	CS	Natural Science
Daynard, Heather Margaret	Mitchell	CS	Natural Science
Dean, Elizabeth Anne	London	MC	Humanities
DeBoer, Jacob	Woodstock	UC	Humanities
Decker, Barbara Lynne	Kitchener	TC	Social Science
Demers, Carmen Susanne Lea	Garson	CS	Natural Science
Deuch, Hugh Brian Dougals	Sudbury	HC	Pre-Business
Devlin, Jane Harriet	Toronto	UC	Humanities
Doherty, Virginia May	Alliston	CS	Natural Science
Donnelly, Martha Lou	London	CS	Natural Science
Dovgalev, Nellie Vera	Whitby	N	Nursing
Doyle, Mary Carol	London	UC	Humanities
Drobac, Milutin	Windsor	CS	Natural Science
Dryden, Beverley Lynn	London	UC	Secretarial Science
Dryden, Diane Elizabeth	Belleville	CM	Music
Duckworth, Patricia Ann	Toronto	N	Nursing
Dundas, George Stephen	Dorchester	CS	Natural Science
Durham, Heather Dale	Dundas	CS	Natural Science
Dust, Gerald Arthur	London	TC	Social Science
Emmons, Dale Cameron	Peterborough	CS	Natural Science
Falle, Rosemarie Lynne	London	UC	Humanities
Ferguson, Audrey Anne	Ripley	MC	Social Science
Ferriman, Brian Kenneth	London	MC	Pre-Business
Fetterley, Paul John	London	CS	Natural Science
Fickes, Barbara Joyce	Burlington	UC	Humanities



<u>Name of Student</u>	<u>Home Address</u>	<u>College</u>	<u>Program</u>
Finkenzeller, Otto	London	KC	Humanities
Fitzgerald, Kevin Joseph	Guelph	MC	Social Science
Floyd, Gordon Stirling	London	TC	Social Science
Forsyth, Leslie Lerina	London	MC	Fine Arts
Fratesi, Sante Joseph Paul	Sault Ste. Marie	CS	Natural Science
Frederick, Diana Jeanette	Oakville	MC	Fine Arts
Frye, Jane Anne	Athens	BR	Home Economics
Galloway, Susan Patricia	Sault Ste. Marie	HC	Social Science
Garrod, Joanne Lillian	Waterloo	CS	P.H.E.
Gee, Linda Hazel Doreen	London	UC	Humanities
Gilpin, James Richard	London	E	Engineering Science
Gjos, Ellen Kristine	Bruce Mines	MC	Social Science
Glazier, Wendy Eileen	London	TC	Pre-Business
Goddard, Nancy Elizabeth	Port Credit	CM	Music
Gordon, Ann Elizabeth	Lakefield	N	Nursing
Gordon, Johanna Mary	Georgetown	CS	Natural Science
Graham, Jane Elizabeth	Sarnia	MC	Social Science
Green, Kenneth Barry	Islington	CS	Natural Science
Greenwood, Susan Joanne	Dresden	MC	Social Science
Haidle, Iris Gisella	Barrie	TC	Humanities
Haist, Connie Elizabeth	Lindsay	CS	Natural Science
Hallam, Margaret Anne Selkirk	Windsor	HC	Humanities
Harnum, Elizabeth Rose	Scarborough	HC	Humanities
Harrison, Barbara Gail	Mount Forest	TC	Pre-Business
Harrower, Donald Bruce	Richmond Hill	TC	Pre-Business
Hartman, William Harry	London	CS	Engineering Science
Hassard, Cheryl Margaret	London	TC	Humanities
Haugh, Lynne Margaret	Ajax	CS	Natural Science
Hawkins, Cathy Ellen	London	UC	Humanities
Hearn, Marilyn Christine	Arva	MC	Humanities
Henderson, Mary Elizabeth	Georgetown	N	Nursing
Henderson, Robert John	London	E	Engineering Science
Hendrick, Gwenneth Anne	Clinton	UC	Humanities
Hermann, Suzanne Joan	London	N	Nursing
Hill, Thomas Ralph	Delhi	CS	Natural Science
Holenchuk, Frances Marie	Sudbury	UC	Humanities
Holman, Elizabeth Anne	London	UC	Humanities
Hopkins, Pauline Moira	London	UC	Humanities
Hostetler, Catherine Anne	London	N	Nursing
Hueston, Connie Helen	London	CS	Natural Science
Hughes, Peggy Lynne	Niagara Falls	UC	Social Science
Hurley, Stuart Douglas	Cobourg	MC	Pre-Business
Hymers, Judith Lynn	London	UC	Humanities
Ivey, Richard William	St. Catherines	MC	Pre-Business
Jackson, John David	London	E	Engineering Science
Jacobs, Linda Grace	Stoney Creek	UC	Humanities
Janke, Janne Doris Evylene	Waterloo	MC	Humanities
Jarzabek, Joseph John	London	KC	Humanities
Jeffery, James William	Exeter	TC	Fine Arts



<u>Name of Student</u>	<u>Home Address</u>	<u>College</u>	<u>Program</u>
Johnston, Frances Irene	Collins Bay	UC	Home Economics
Johnston, Peter Sean	London	CS	Natural Science
Kemp, John Thomas	Scarborough	E	Engineering Science
Kidd, David Nelson	Ottawa	CS	Natural Science
Killing, Stephen	London	E	Engineering Science
Kjeldsen, Anne Grete	Glencoe	CS	Natural Science
Kondo Russell John	Port Credit	CS	Natural Science
Kowalski, Irene Marie	London	UC	Fine Arts
Lacis, Baiba Agatha	London	UC	Social Science
Lahey, Dale Edward	Merlin	UC	P.H.E.
Lane, Dennis Wesley	London	CS	Engineering Science
Lane, Kerry Elizabeth	London	UC	Secretarial Science
Lee, Donald Robert	Wallaceburg	TC	Social Science
Leith, Larry McKenzie	West Lorne	CS	P.H.E.
Leitner, Frederic Stephen	London	CS	Natural Science
Lloyd, David Jeremy	London	CS	Natural Science
Locke, John William	London	CS	Natural Science
Long, Barry Herbert	London	CS	Natural Science
Lopata, Stanley Walter	London	MC	Social Science
Loubert, Evlynn Jane Anastasia	London	TC	Humanities
Loubert, Sharon Anne E.	London	TC	Humanities
MacDonald, Peter John Charles	London	CS	Natural Science
McDonald, John Wayne	Windsor	CS	Natural Science
McGregor, Bonnie Jean	St. Thomas	MC	Social Science
McGregor, Shona May	Sarnia	TC	Social Science
McGuire, Catherine Joan	Simcoe	HC	Humanities
McKay, Mary Raye	Owen Sound	UC	Humanities
McKee, Heather Margaret	Midland	CS	Natural Science
McKegney, Mabel Irene	Sarnia	CS	Natural Science
McQuay, James Leonard	Galt	TC	Social Science
Main, Janet Isabelle	Port Credit	UC	Secretarial Science
Malolepsy, Thomas Roman	London	CS	Natural Science
Mansell, Gregory John	London	TC	Humanities
Marson, Darlene Crystal	Sault Ste. Marie	UC	Humanities
Matthias, Renate Gisela Luise	Windsor	CS	Natural Science
Menagh, Margaret Anne	Chatham	CS	Natural Science
Menschel, Eva Maria	London	HC	Humanities
Mercer, Gwen Diane	Port Arthur	UC	P.H.E.
Metford, Deborah Jacqueline Seymour	London	HC	Humanities
Michiels, Paul Joseph	London	CS	Natural Science
Michielsen, Gerda Adrianna Maria	Parkhill	BR	Humanities
Miller, Barry John	Sarnia	CS	Natural Science
Miller, Joanne Elizabeth	Chatham	UC	Humanities
Miller, Marion Grace	Dresden	CM	Music
Moffatt, Brenda Lee	Brantford	UC	Humanities
Moffatt, Dorothy Patricia	London	TC	Fine Arts
Monaldi, Barbara Ann	Sault Ste. Marie	BR	Humanities
Montgrain, Margaret Mary Louise	Midland	CM	Music
Moore, Kathleen Roberta	London	UC	Humanities
Morrison, Patricia Ann	Oshawa	MC	Humanities



<u>Name of Student</u>	<u>Home Address</u>	<u>College</u>	<u>Program</u>
Morrow, Ronald Bruce	Burlington	CS	Natural Science
Moyer, Patricia Jean	London	CS	Natural Science
Mulholland, Brenda Joy	Paris	MC	Social Science
Murray, Joan Elizabeth	Stoney Creek	CS	Natural Science
Muxlow, Edwin Lloyd	Strathroy	CS	Natural Science
Myers, Karen Louise Helen	Sarnia	UC	Humanities
Nelles, Brooke Lionel	London	HC	Pre-Business
Noble, Phyllis Elaine	Hamilton	MC	Social Science
Nolewajka, Andre Joseph	Brantford	CS	Natural Science
Norman, Katharine Patricia	Collingwood	UC	Humanities
Obracay, Susan Henrietta	London	MC	Social Science
Oliver, Dorothy Ruth	Kirkland Lake	TC	Humanities
Oltman, Mary Louise	Kincardine	MC	Social Science
Padfield, Mary Lou	Brantford	N	Nursing
Pammett, Nancy Gail	Peterborough	TC	Social Science
Pawley, Susan Gail	London	UC	Humanities
Payne, Harry Douglas	Ingersoll	HC	Humanities
Peck, Brenda Sue	Windsor	CS	Natural Science
Pellarin, Maurice Paul Mark	Sault Ste. Marie	CS	Natural Science
Pellow, Christine Marjory	London	UC	Home Economics
Pemberton-Piggot, Theresa Jane	Pickering	N	Nursing
Pengelly, David James	London	CS	Natural Science
Perl, Christine Judith	Kitchener	MC	Humanities
Perrott, Linda Roseanne	Kincardine	MC	Humanities
Peterson, Daniel Sherman Arthur	Blind River	MC	Humanities
Phillips, Ruth Gwendolyne	Toronto	CM	Music
Plaxton, Nancy Elizabeth	Ottawa	N	Nursing
Pleta, Adele Mary	London	CS	Natural Science
Plyley, Michael John	West Lorne	CS	Natural Science
Pocock, Marjorie Kathleen E.	Ottawa	TC	Social Science
Podgorski, Carol Ann	Forest	CS	Natural Science
Poels, Mary Ann	London	UC	Humanities
Polnicky, Orla Mae	Red Rock	CM	Music
Potter, Laura Elizabeth	London	CS	Natural Science
Powell, Linda Olive Dorothy	Kirchener	CS	Natural Science
Price, Marilyn	Toronto	UC	Secretarial Science
Prus, Nina Antonia	London	TC	Humanities
Puttock, Shirley Mary	Waterdown	CS	Natural Science
Reavie, Lynda Marie	Wingham	MC	Social Science
Reed, Gloria Marilyn	Wingham	MC	Social Science
Remington, David Brian	Kincardine	CS	Natural Science
Repar, Judith Marjorie	Welland	CM	Music
Rider, Pataricia Marie	Windsor	TC	Humanities
Roberts, Elizabeth Catherine	Sarnia	UC	Humanities
Roberts, Steven John	Sudbury	MC	Social Science
Robinson, Michael John	London	CS	Natural Science
Roemmele, Elizabeth Anne	Windsor	UC	Humanities
Rogers, Margaret Eileen	Midland	CS	Natural Science
Roper, Margaret Susan	Lively	UC	Secretarial Science



<u>Name of Student</u>	<u>Home Address</u>	<u>College</u>	<u>Program</u>
Rosein, Barbara Rosemarie	Renfrew	TC	Social Science
Rosenberg, Marc	Don Mills	TC	Social Science
Rothel, John	Downsview	HC	Pre-Business
Routledge, Mary Hughena	London	CS	Natural Science
Rumas, Stephen Matthew	London	CS	Natural Science
Rumball, Jan Elizabeth	Ancaster	UC	Humanities
Ryder, Nancy Helen	Delhi	CS	Natural Science
Sage, Jocelyn Elizabeth	London	UC	Humanities
Sammon, Joseph Andrew	Watford	KC	Humanities
Sayeau, David Ernest	Delhi	TC	Social Science
Schneider, Susan Edith	Stratford	UC	Humanities
Schoales, Roberta Lenore	London	UC	Humanities
Scott, Janet Claire	Sarnia	UC	Humanities
Scott, Susan Margaret	London	CS	Natural Science
Scott, Walter James	London	CS	Natural Science
Semeniuk, Arlene Lia Marie	Copper Cliff	CS	Natural Science
Shami, Jeanne Mary	Sault Ste. Marie	BR	Humanities
Sherman, William Thomas	South Porcupine	CS	Natural Science
Simonds, Marilyn Alice	Waterloo	UC	Humanities
Slater, Ronald John	London	MC	Humanities
Smelko, Lorraine Anne	Oshawa	MC	Social Science
Smith, Barbara Jean	Chatham	BR	Home Economics
Smith, Donald Alexander	London	CS	Humanities
Smith, Frances Elizabeth Acre	Fort William	UC	P.H.E.
Smith, Judith Marie	Hamilton	HC	Humanities
Smith, Lila Margaret	London	UC	Secretarial Science
Smith, Marilyn Florence	London	TC	Social Science
Soininen, Anna Maija	Port Arthur	TC	Humanities
Sorenson, Bonnie Lorraine	London	UC	Humanities
Southcott, William Peter	London	CS	Natural Science
Spurgeon James Kenneth	Chatham	TC	Humanities
Stanley, Kathryn Elizabeth	London	UC	Humanities
Stephenson, Grant Russell	London	CS	Engineering Science
Stuckey, Valerie Elizabeth	Blenheim	CS	Natural Science
Swytink, Alice Hermina	Beamsville	CS	Natural Science
Sykes, Robert Arthur Roderick	Sarnia	TC	Fine Arts
Tait, Mary Catharine	Sault Ste. Marie	TC	Humanities
Taylor, Catherine Alison	London	TC	Humanities
Taylor, Christopher David	London	UC	Humanities
Thomas, Donna Lynne	London	UC	Humanities
Thomas, Mary Winifred	Port Colborne	TC	Humanities
Thompson, Barbara Jane	Sarnia	CS	Natural Science
Tiedje, Mary Ellen	Sarnia	CS	Natural Science
Toby, Hans	Sudbury	TC	Humanities
Traynor, Edward John	St. Catharines	CS	Natural Science
Vance, Alan Ross	Sudbury	CS	Natural Science
Van Houcke, Monique Margaret	Aylmer	TC	Humanities
Velloci, Mary Elizabeth	London	N	Nursing
Ventresca, Silvana Dionisia	Welland	TC	Humanities
Vigna, Judith Norma	Sault Ste. Marie	TC	Humanities



<u>Name of Student</u>	<u>Home Address</u>	<u>College</u>	<u>Program</u>
Wahby, Allen James	Windsor	CS	Natural Science
Walker, Glenn Colin	Watford	TC	Humanities
Walker, James Douglas	Hamilton	CS	Natural Science
Warder, Owen Thomas	Lion's Head	CS	Natural Science
Watson, Richard Keith	Hamilton	TC	Pre-Business
Weaver, Patricia Anne	Chatham	CS	Natural Science
Webber, Pamela Arlene	Niagara Falls	N	Nursing
Whaley, Tanis Lea	Kingsville	UC	Natural Science
Wieckowski, Krystin Mary Jane	Clinton	UC	Humanities
Williams, Kevin	Brantford	MC	Pre-Business
Wilson, David Kenneth	London	CS	Natural Science
Wilton, Roberta Ann	London	N	Nursing
Winniger, David	London	TC	Humanities
Witherspoon, Nancy Barbara	Owen Sound	CS	Natural Science
Wong, Dean Foster	Fort Erie	CS	Natural Science
Woods, Marilyn E.	Brantford	UC	Social Science
Wooster, Douglas Lawrence	Port Arthur	CS	Natural Science
Wright, Gail Jocelyn	Port Credit	MC	Fine Arts
Wright, Gregory Alan	London	TC	Pre-Business
Wright, Lois Ellen	Dorchester	CS	Natural Science
Wyatt, Pamela June	Elmira	N	Nursing
Yantha, Ernest Leonard	Barry's Bay	CS	Natural Science
Yeates, Carolyn Ruth	Willowdale	TC	Social Science
Young, Diane Geraldene	Napanee	CS	Natural Science
Zadravec, Vera Angela	North Brampton	UC	Humanities
Zastawny, Mary Ann Krystyna	Sarnia	BR	Humanities
Zvagulis, Maruta	London	CS	Natural Science

SUMMARY

	<u>1968</u>	<u>1967</u>
Brescia College	7	7
King's College	4	4
Huron College	16	9
College of Music	8	5
Faculty of Engineering Science	6	8
School of Nursing	17	6
College of Science	108	74
Middlesex College	36	16
Talbot College	53	23
University College	<u>64</u>	<u>44</u>
Total	<u>319</u>	<u>196</u>
Ratio: Men	110	84
Women	209	112

Approximate total count of Ontario Scholars in 1967 - 2244 students  
1968 - 3642 students



APPENDIX G

THE DEANS' HONORS LIST, JUNE 1968



## THE DEANS' HONORS LIST, SPRING 1969

The following full-time students obtained first class honors standing this year on their work toward a first degree in each Faculty.

### THE FACULTY OF ARTS AND SCIENCE

#### Brescia College

##### Graduates:

Evans, Janis Eileen, London  
O'Leary, Lillian Patricia, Tweed

Skillen, Linda Colleen, Arnprior  
Sullivan, Ellen Diane, London

##### Undergraduates:

Craig, Shirley Margaret, Sault Ste. Marie  
Genetti, Carol Ann, Sault Ste. Marie  
McKinley, Sheila Catherine, London  
Parent, Mary Margaret, London  
Ritchie, Margo (Sr. Patrice), London

Scholz, Aleida Maria, Port Dover  
Shami, Jeanne Mary, Sault Ste. Marie  
Smith, Barbara Jean, Chatham  
Wiest, Ruth Marie, London  
Zylstra, Frederikje, Corunna

#### Huron College

##### Graduates:

Barnes, Ronald Percy, Welland  
Baynham, Bryan George, Exeter  
Draper, Douglas Gary, London

Ralfe, Susan Mary Seton, Toronto  
Walker, Kathrine, Rexdale

##### Undergraduates:

Belcher, Wendy Anne, Weston  
Boyer, Carol Jean, London  
Currie, Barbara Helen, Ingersoll  
Dench, Hugh Brian Douglas, Sudbury  
Hallam, Margaret Anne Selkirk, Windsor

King, Timothy Joseph, Sault Ste. Marie  
Pidgeon, Gail Ann, Oakville  
Potts, Beverly Joan, London  
Zinner, Robert Benjamin, London

#### King's College

##### Graduates:

Desrivieres, Dennis Robert, Sarnia  
Dore, Allan James, London  
Dutrizac, Charles Desmond, Toronto

Hauptert, Klaus Rudolf Walter, London  
Ruypers, John Francis Gerard, Wyoming

##### Undergraduates:

Campbell, Wayne Donald, Welland  
Dillon, John Thomas, Sarnia  
Giannandrea, Vincenzo, Sarnia

Mulvale, James Patrick, Sarnia  
O'Meara, Lawrence Richard, London  
Whelan, Daniel Raymond, St. Catharines



## College of Music

Graduates:

Gates, Elizabeth Anne, London  
Loffelmann, Gunther Otto, London

Willis, Stephen Charles, London

Undergraduates:

Cairns, Janet Ann, London  
Henry, Margaret Elaine, London  
Polnicky, Orla Mae, Nipigon

Quinby, Susan Barbara, Columbus, Ohio  
Rolston, Julie Dawn, St. Marys

## College of Science

Graduates:

Appleby, Laurence Fredric, Toronto  
Ashkanase, Wendy Ann, Richmond Hill  
Beihl, Hans Otto, London  
Bowman, James Albert, Fullarton  
Brown, Stanley Edward, London  
Chamberlain, James Edward, Toronto  
Cohen, Larry Michael, London  
Columbus, Maureen Theresa M., Iroquois  
Falls

Fachrell, Hugh Bryson, London  
Finnie, Robert Colin, Scarborough  
Friedman, Nathan, London  
Geddes, John Alex, London  
Geddes, Scott Andrew, Hanover  
Gentleman, Connie Roberta, Oil Springs  
Gibson, James Charles, London  
Graham, Robert Bruce, St. Marys  
Griffith, John Barron, Sarnia  
Heagy, William Kenneth, London  
Heersink, Marnix Ernestus, Burlington  
Henderson, Susan Elizabeth, London  
Holtom, Janet Berniece, Ingersoll  
Houston, James Douglas, London  
James, Clifford Michael, Walkerton  
Johnston, Linda Joan, Wardsville

Kalman, Eva Andrea, Windsor  
Kennedy, Brian Paul, Ingersoll  
Kimberley, Michael Murray, Beamsville  
Lindsey, Linda Jean, Mono Road  
Loncke, Daniel Joseph, Delhi  
Markham, Larry Derwood, Woodstock  
Mitchell, David Callin, London  
Mitchell, Robert, London  
Nussey, Diane Marie, Blenheim  
Overy, John David, Brights Grove  
Panjer, Harry Henry, Blenheim  
Rennie, Paul Steven, London  
Riley, David, Oshawa  
Rossiter, James Randell, London  
Sexton, Frederick George, St. Catharines  
Smith, Ian Michael, Port Credit  
Smith, Jane Elizabeth, Thorold  
Thornton, Daniel Blyth, St. John's,  
Nfld.

Viidik, Anthony, Deep River  
Watkins, Peter, St. Thomas  
Weaver, Joseph Kenneth, Dresden  
Webb, Warren Gardiner, London  
Wilton, Leigh, London

Undergraduates:

Alberding, Neil Arnold, Salem, Indiana  
Bagnall, Stephen James, London  
Bailey, Carol Anne, London  
Bain, Robert George, Petrolia  
Barr, Robert Francis, Dorchester  
Bates, Gordon Steven, London  
Beaman, Robert John, Tillsonburg  
Berney, Richard Thomas, South Orange, N.J.  
Blanchette, Richard Anthony, Barbados, W.I.  
Blok-Andersen, Kim, Sarnia

Bohdanowicz, Alex Peter, London  
Borwein, Jonathan Michael, London  
Bowman, Diane Marie, Hamilton  
Box, Stephen John Charles, London  
Bright, Susan Elizabeth, Sudbury  
Brunton, William Harold, Grimsby  
Cairncross, John Gregory, London  
Chan, Man-Ching, Hong Kong  
Chapman, Christine Elaine, Dorchester  
Chow, Fong-Wai, Kowloon, Hong Kong







Watters, Carolyn Rose, London  
 Westmacott, Clare Wesley M., London  
 Wilson, David Kenneth, London  
 Winokur, Paul Michael, Windsor  
 Wong, Dean Foster, Fort Erie  
 Wong, Godfrey Long, Hong Kong

Woodham, Robert James, Ottawa  
 Wooster, Douglas Lawrence, Port Arthur  
 Wright, Lois Ellen, London  
 Yardley, Trevor Wayne, Port Credit  
 Young, Diane Geraldene, Bath

### Middlesex College

#### Graduates:

Altman, Karen Fern, Toronto  
 Begley, Michael Francis, Lindsay  
 Bieman, Corinne Elizabeth, London  
 Bushell, George Edbert, London  
 Campbell, Sandra Mary, London  
 Colbert, Judith Anne, Hyde Park  
 Cottrell, Robert Douglas, Galt  
 Crinklaw, Linda Diana, London  
 Dolny, Caroline Francesca, London  
 Dredge, Lynda Ann, Wallaceburg  
 Elgie, Kathleen Anne, Dresden  
 Genesee, Fred Henry, Burlington  
 Hall, Robert Owen, Huntsville  
 Harper, Peter Davidson, Toronto  
 Kinmonth, Ann Patricia, London  
 Kirby, Dennis Morley, Collingwood  
 Knighton, Robert Allen, London  
 Lilloco, David Lloyd, Etobicoke  
 Little, David Bruce, Sarnia  
 McGinn, Roderick Alan, Scarborough  
 McKillop, Louise Mabel, Oakville

Marinelli, Terry Ann E., Port Colborne  
 Medley, Steven James, London  
 Medley, Elaine Margaret, Falkenburg  
 Moore, George Alexander, New Hamburg  
 Murphy, Shawne Eleanor, Oshawa  
 Murray, Barbara Helen, Sarnia  
 Oliver, Catherine Laura, Petrolia  
 Pollock, Joanne Azelle, Parkhill  
 Ponting, John Richard, Burlington  
 Pope, Mary Margaret, London  
 Robinson, Mary Clare, Cooksville  
 Roland, Ian Jonathan, Switzerland  
 Saunders, David Patrick, London  
 Simpson, Wendy Louise, Islington  
 Stalker, Carol Anne, West Lorne  
 Swann, Carolyn Ruth, London  
 Szekely, Agnes Maria, London  
 Tansley, Joan Evelyn, Kenora  
 Uren, Thomas Craw, London  
 Wonnacott, Alma Muriel, London  
 Wyatt, Douglass Walter, Ingleside

#### Undergraduates:

Babbage, Leslie John, Sarnia  
 Bauer, Nancy Lou, Chatham, N.B.  
 Bezan, Dorothy Joan, Kapuskasing  
 Blackader, Bridget Clements, Montreal, P.Q.  
 Boddington, George Beck, Toronto  
 Boles, Allan Clifford, St. Catharines  
 Casper, Robert Fredrick Joseph, Leamington  
 Cooper, Audrey Florence, Kincardine  
 De Wolf, William, London  
 Fraser, John Arthur, Sarnia  
 Glassford, Larry Arthur, Thamesville  
 Graham, Jane Elizabeth, Sarnia  
 Graham, John Freele, Grand Bend  
 Griesbauer, Peter Rudolf, London  
 Higgins, Andrew Gordon, London

Johnson, Cullen Francis, Toronto  
 Kolenc, Lorna Anne Catherine, Brampton  
 Lemon, Richard Henry, London  
 Logan, Maureen Elizabeth, Sarnia  
 McCalla, Robert Jay, Brockville  
 Meehan, Shelagh Maureen, Weston  
 Obright, Douglas Charles, Owen Sound  
 Ramsumair, Deonarine, Trinidad W.I.  
 Reavie, Lynda Marie, Wingham  
 Reed, Gloria Marilyn, Wingham  
 Tufford, Robert Walter, Sarnia  
 Walinga, Johanna Cornelia, London  
 White, Catherine Joan, London  
 Wilt, Linda Ann, Mt. Pleasant, Iowa  
 Wood, Susan Margaret, Oakville

### Talbot College

#### Graduates:

Gardner, Robert John Logie, Kitchener

Hutner, Ronald Joseph, Toronto



Koprowski, Kenneth Walter, Wallaceburg  
 Mitton, Patricia Joan, Sarnia  
 Pigott, Jean Jaques, Toronto  
 Pink, Christopher William, London

Ruckle, Victoria Suzanne, Brownsville  
 Schleich, David John, London  
 Speers, Lynda Margaret, Whitby

Undergraduates:

Barabe, James Paul, Albuquerque,  
 New Mexico  
 Bevan, Nancy Marie, Oshawa  
 Bolotenko, George, Oshawa  
 Brandon, Robert Alfred, London  
 Brezicki, Colin Gordon Andrew, Toronto  
 Brown, Kenneth Leslie Stewart, Toronto  
 Campbell, Jean Elizabeth, St. Thomas  
 Drew, Arlene Marie, Toronto  
 Dust, Gerald Arthur, London  
 Farrell, Beverley Noreen, London  
 Goldenberg, Mark Christopher, London  
 Jeffery, James William, Exeter  
 Lalonde, Claudette Lucie, Stoney Point  
 Lo, Miriam Kui Kiaw, Sarawak, Malaysia

McCall, Brian Stephen, London  
 McHugh, John Charles, London  
 McNamara, Daniel Jerome, London  
 Mansell, Gregory John, London  
 Nickason, Patricia Jacqueline, London  
 Ohland, Linda Karen, Simcoe  
 Rosenberg, Marc, Don Mills  
 Snyder, Ross Brian, London  
 Sutherland, John Andrew, Port Stanley  
 Sykes, Robert Arthur Roderick, Sarnia  
 Thomas, Inez Penelope, Niagara Falls  
 Thompson, David Mason, Brooklin  
 Van Dop, Richard Teunis, Arva  
 Watson, Richard Keith, Hamilton  
 Willis, Paul Thomas, London

**University College**

Graduates:

Allison, Jane Elizabeth, Windsor  
 Amo, Audrey Marie, London  
 Balsdon, Gwendolyn Patricia, Brampton  
 Blidner, Jeffrey Miles, Toronto  
 Bonen, Arend, Brockville  
 Brydges, Glennys Irene, Guelph  
 Calder, William Arnold, Cooksville  
 Chadwick, Barbara Christine, London  
 Charlton, James Ernest, Paris  
 Couckuyt, Jack Andrew, London  
 Day, Stephen Charles, Toronto  
 Edmunds, Patricia Ann, Palmerston  
 Forester, Anne Dora, London  
 Fry, Karen Jean, St. Thomas  
 Harcourt, Robert Douglass, London  
 Harrison, Denis Hedley, Harrow  
 Hick, Nina Lynn, Port Arthur  
 Hiltz, David Gerald, Bayfield  
 Howerow, Louisa Ludmila, London  
 Jakubowski, Visia Mary, London

Johnson, Angus, London  
 Jungblut, Klaus Wolfgang, Delhi  
 Lewis, Ellen Louise, Welland Junction  
 McIntosh, Janet Lorraine, Kingston  
 McRae, Beverly Jill Joanne, Iroquois Falls  
 Malvern, Paul Robert Edwin, Camlachie  
 Matthews, Mary Ann Louise, Toronto  
 Minshall, Donna Rosalyn, Brantford  
 Montague, Robert John, Thamesford  
 O'Donnell, James Robert, Simcoe  
 Pease, Carol-Anne, London  
 Peckham, Vaughan Anson, West Lorne  
 Pritchard, Mary Henrietta, London  
 Reain, James Patrick, Cookstown  
 Smallwood, John Hubert, London  
 Smith, Michael John, Willowdale  
 Tough, Jeanine Wallace, Oakville  
 Van Vugt, Hendricus Johannes, London  
 Walker, Dennis Martin, Hamilton  
 White, Elizabeth Anne, Thornbury

Undergraduates:

Ainsworth, Shayne Edward, London  
 Abray, Lorna Jane, Islington  
 Allems, Darlene Loretta, Sarnia  
 Arnold, Marie Lucinda, Sombra  
 Babcock, Daryl Burton, London

Blackwell, Margaret Grace, London  
 Bowlby, Teresa Lynn, Tillsonburg  
 Cameron, Nancy Ellen, Thamesville  
 Champion, John Adair, London  
 Chapman, Judith Anne, London



Chua, Cynthia Hui Kee, Sarawak, Malaysia	McKay, Mary Raye, Owen Sound
Conroy, Patrick Lawrence, Toronto	MacKenzie, Hugh Grant, Don Mills
Cooper, Nancy Elizabeth, Schomberg	Main, Janet Isabelle, Mississauga
Creedon, Joan Isabel, Kenora	Maki, Carol Alexis, Sudbury
Cross, James Glen, London	Marson, Darlene Crystal, Sault Ste. Marie
Crouch, Julie Elizabeth, Toronto	Mather, Neil Wilson, Mount Forest
Cusack, Susan Elizabeth, London	May, Lois Anne, Appin
Eaglesham, Ruth Ellen, Guelph	May, Marcella Jane, Wingham
Enticknap, Robert Geoffrey, London	Moore, Kathleen Roberta, London
Falle, Rosemarie Lynne, London	Moskalyk, Barbara Helen, Sudbury
Frank, Richard Kenneth Murray, London	Parmentier, Michel Alfred, Wattrelos, France
Gee, Linda Hazel Doreen, London	Pawley, Susan Gail, London
Grant, Lynda Gail, London	Quant, Valerie Rae, London
Green, Lyndsay Ann, London	Rankin, Penny Kathryn, Strathroy
Hardman, Joye Amelia, Warton	Richardson, Mark Abram, Sault Ste. Marie
Harrington, Nancy Jean, Guelph	Schaeubinger, Dorothee, London
Hazell, Terrylea Anne, Orangeville	Shouldice, John Graham, London
Hopkins, Pauline Moira, London	Simonds, Merilyn Alice, Plattsville
Howe, Audrey Evelyn, Paisley	Skvorc, Marcia, Welland
Johnson, Marion Rose, London	Smith, Lila Margaret, London
Keillor, Jacqueline Gladys, London	Stewart, John David, London
Kerr, Frances Irene, Islington	Stoddart, Gregory Lloyd, St. Catharines
Kunzler, Ann Magdalene, Rodney	Taylor, Richard Hyde, Woodley, England
Lacis, Baiba Agatha, London	Waugh, Thomas Henry Roppel, Hamilton
Lumley, Mary Elizabeth, Hamilton	Zankowski, Peter George, Cromarty
MacDonald, Judith Anne, Oshawa	

### THE SCHOOL OF NURSING

#### Graduates:

Bocking, Barbara Vivian, London	Hunter, Marilyn Katherine, London
Brady, Marilyn Ruth, Mount Elgin	Parker, Linda Shelburne, Acton

#### Undergraduates:

Boettger, Susan Ellen, Waterloo	Mahood, Joan Elaine, Kincardine
Crinklaw, Donna Marie, London	Plaxton, Nancy Elizabeth, Ottawa
Donaldson, Linda Marlene, Don Mills	Spano, Linda Joan, London
Greer, Gertrude Beth, Orillia	Wilson, Brenda Christine, Ingersoll
MacKenzie, Elizabeth Joan, Lambeth	

### THE SCHOOL OF BUSINESS ADMINISTRATION

#### Graduates:

Cameron, Peter Bruce, London	Noble, Donald Terry, Stoney Creek
Lambert, Douglas McGlashan, Guelph	Ouellette, Gilles G.G., Grand Falls, N.B.
Mogg, Laurence John, London	Weir, Allan Robert, London
Moser, David William, Madison, U.S.A.	



Undergraduates:

Boucher, Raymond, Mount-Royal, P.Q.  
 Cooper, Jack Charles, Sarnia  
 Craig, John Alexander, Markham  
 Gray, William Roy, Toronto

Killing, John Peter, London  
 Lindros, Carl Bryan, Chatham  
 Nash, Gordon Douglas, London

**THE FACULTY OF DENTISTRY**Undergraduates:

Beath, Robert Lorne, London  
 Kenny, David Joseph, London  
 MacLoghlin, Marilyn Jean, London  
 Pettit, Thomas Roger, Ingersoll

Saunders, Dwight Frederick, Ottawa  
 Summers, Terence Allan, London  
 Sweet, Douglas Simeon, Simcoe

**THE FACULTY OF ENGINEERING SCIENCE**Graduates:

Brown, David Robert, London  
 Johnston, Norman Charles, St. Marys  
 Koba, Borys, London

Kok, Robert, London  
 Wreford, Roderick John, London

Undergraduates:

Allingham, John Bruce, London  
 Bol, Matthew Albert, Essex  
 Burling, William Ward, Huron Park  
 Causton, Barry James, London  
 Chao, Robert Louis, Kowloon, Hong Kong  
 Choong, Tsi-Pin, Singapore  
 Clark, Graham John, Etobicoke  
 Dann, Thomas Fred, Woodstock  
 Fan, Kuen Dan, Kowloon, Hong Kong  
 Gilpin, James Richard, Delaware  
 Haufek, George Francis, Hamilton

Jackson, John David, London  
 Jones, Philip William, Brantford  
 Kiewiet, Wierdt Charel, London  
 Killing, Steven, London  
 Kuchta, Milan Steve, Wallaceburg  
 Leung, King Lim, Kowloon, Hong Kong  
 Morrison, Peter William, Richards-Gebaur, Mo.  
 Nightingale, Frank Michael, Waterford  
 Van den Hengel, John Peter, Seaforth  
 Walczak, Tadeusz, Sarnia  
 Wong, Tat-Yan, Hong Kong

**THE FACULTY OF LAW**Graduates:

Ayers, Edward Allan, London  
 Fisher, Ian Robert, London  
 Goodman, Robert James, Toronto  
 Ingram, Michael Bruce, Toronto  
 Kenny, William Aconley, London  
 Ledgett, Michael Franklin, Toronto  
 Lendon, Harold Austin, London  
 Lovell, David Lawrence, London  
 McClure, George Kent, London

McCuaig, Robert Gary, London  
 Nicholson, Ross Ronald, St. Catharines  
 O'Donoghue, Peter Robert, Peterborough  
 Parker, Wilfred John Elvin, Clinton  
 Prentice, Susanne Marie, Hamilton  
 Schroeder, Donald Bruce, Oakville  
 Stanbury, Donald Charles, Agincourt  
 Tait, Donald Hawkins, London  
 Vale, Donald Victor Harold, London







APPENDIX H  
HONORS



## HONORS

- MR. T.L. HOSKIN  
Dean of Men  
Presented with Award of Merit by the University Career Planning Association. June, 1968.
- DR. C.F. ROBINOW  
Department of Bacteriology and Immunology  
Faculty of Medicine  
Named President of the Canadian Society for Cell Biology. June, 1968.
- DR. MURRAY L. BARR  
Department of Anatomy  
Faculty of Medicine  
Awarded the Medal of Service of the Order of Canada. July, 1968.
- DR. DAVID LEIGHTON  
School of Business Administration  
Named Chairman of the Canadian Consumer Council. July, 1968.
- DR. MURRAY L. BARR  
Department of Anatomy  
Faculty of Medicine  
Received honorary Doctor of Laws degree, Dalhousie University, Halifax. September, 1968.
- DR. R.L. SCOTT  
Department of Paediatric Dentistry  
Faculty of Dentistry  
Elected President of the Royal College of Dentists of Canada. October, 1968.
- PROFESSOR WALTER A. THOMPSON  
Associate Dean  
School of Business Administration  
Received honorary Doctor of Laws degree at Waterloo Lutheran University. November, 1968.
- PROFESSOR L.S. LAUCLAND  
Faculty of Engineering Science  
Elected first Vice-President of the Association of Professional Engineers of Ontario. January, 1969.
- DEAN R.M. DILLON  
Faculty of Engineering Science  
Named Campaign Chairman of the United Appeal of Greater London. February, 1969.
- MR. GEORGE E. BUSHELL  
Department of Geography  
Faculty of Social Science  
Winner of Woodrow Wilson National Fellowship Foundation Scholarship. February, 1969.
- MR. STEPHEN WILLIS  
Faculty of Music  
Winner of Woodrow Wilson National Fellowship Foundation Scholarship. February, 1969.
- MISS CORINNE BIEMAN  
Department of English  
Faculty of Arts  
Received honorable mention, Woodrow Wilson National Fellowship Foundation Scholarship. February, 1969.
- DR. N.L. NICHOLSON  
Acting Dean of the Faculty of Social Science  
Dean of University College  
Elected to the Board of Directors of the Royal Canadian Geographical Society. March, 1969.
- DR. RICHARD SAMUEL  
Visiting Professor in the Department of German, Faculty of Arts  
Named recipient of the Gold Medal of the Goethe Institute of the Federal Republic of Germany. March, 1969.
- DR. BRUCE P. SQUIRES  
Department of Physiology  
Faculty of Medicine  
Elected to Board of Directors of the Council on Medical Television in the United States. April, 1969.
- DR. C.G. WINDER  
Head of the Department of Geology  
Faculty of Science  
Elected to the national organizing committee for the International Geological Congress to be held in Montreal in 1972. April, 1969.
- DR. ANDREW E. SCOTT  
Dean of the Faculty of Science  
Elected a Fellow of the Chemical Institute of Canada. May, 1969.



DR. JAMES A.F. STEVENSON  
Chairman of the Department of Physiology  
Faculty of Medicine

Elected President of the Biological Council of  
Canada. April, 1969.

DR. JACK WALTERS  
Department of Obstetrics and Gynaecology  
Faculty of Medicine

Elected President of the Ontario Medical  
Association. May, 1969.

DR. E.W. WARNHOFF  
Department of Chemistry  
Faculty of Science

Received the Merck, Sharp and Dohme Lecture  
Award in Montreal. May, 1969.

DR. D.C. WILLIAMS  
President and Vice-Chancellor

Received an honorary Doctor of Laws degree  
from the University of Manitoba. May, 1969.



APPENDIX I  
REGISTRATION



## FACULTIES, SCHOOLS AND AFFILIATED COLLEGES

	Full-Time		Part-Time		Total		Total
	Men	Women	Men	Women	Men	Women	
<u>FACULTY OF ARTS</u>							
General	286	699	10	41	296	740	1036
Honors	74	152	–	1	74	153	227
<u>FACULTY OF SOCIAL SCIENCE</u>							
General	1425	893	17	17	1442	910	2352
Honors	362	192	–	2	362	194	556
<u>FACULTY OF MUSIC</u>							
General	9	23	–	4	9	27	36
Honors	65	92	5	4	70	96	166
<u>FACULTY OF SCIENCE</u>							
General	862	254	21	3	883	257	1140
Honors	371	93	10	9	381	102	483
<u>UNCLASSIFIED</u>							
	32	30	13	22	45	52	97
Total*	<u>3486</u>	<u>2428</u>	<u>76</u>	<u>103</u>	<u>3562</u>	<u>2531</u>	<u>6093</u>
<u>AFFILIATED COLLEGES</u>							
Huron College	310	207	4	1	314	208	522
Brescia College	1	328	–	5	1	333	334
King's College	276	3	5	2	281	5	286
Total	<u>587</u>	<u>538</u>	<u>9</u>	<u>8</u>	<u>596</u>	<u>546</u>	<u>1142</u>
<u>OTHER FACULTIES AND SCHOOLS (Undergraduate)</u>							
School of Business Administration	132	3	–	–	132	3	135
Faculty of Dentistry	44	4	–	–	44	4	48
Faculty of Engineering Science	354	3	2	–	356	3	359
Faculty of Law	241	13	–	–	241	13	254
Faculty of Medicine	253	74	–	1	253	75	328
Faculty of Nursing	–	158	–	3	–	161	161
Total	<u>1024</u>	<u>255</u>	<u>2</u>	<u>4</u>	<u>1026</u>	<u>259</u>	<u>1285</u>
Total Intramural Undergraduate Students	<u>5097</u>	<u>3221</u>	<u>87</u>	<u>115</u>	<u>5184</u>	<u>3336</u>	<u>8520</u>
<u>ALTHOUSE COLLEGE OF EDUCATION – Regular Session</u>							
	306	202	2	2	308	204	512
<u>FACULTY OF GRADUATE STUDIES</u>							
Humanities	94	34	15	19	109	53	162
Social Sciences	223	37	16	6	239	43	282
Natural Sciences	274	34	9	2	283	36	319
Business Administration	356	–	1	–	357	–	357
Engineering	73	2	8	–	81	2	83
Library and Information Sciences	20	29	6	16	26	45	71
Medicine	95	33	1	–	96	33	129
Nursing	–	10	–	4	–	14	14
Music	–	1	–	–	–	1	1
Total Intramural Graduate Students	<u>1135</u>	<u>180</u>	<u>56</u>	<u>47</u>	<u>1191</u>	<u>227</u>	<u>1418</u>
TOTAL INTRAMURAL STUDENTS	<u>6538</u>	<u>3603</u>	<u>145</u>	<u>164</u>	<u>6683</u>	<u>3767</u>	<u>10,450</u>
<u>EXTRAMURAL AND SUMMER SCHOOL STUDENTS</u>							
Correspondence					79	92	171
Extension					1027	887	1914
Summer Session (including Summer Evening Classes)					1923	1172	3095
Althouse College of Education Summer Session					1417	614	2031
					<u>4446</u>	<u>2765</u>	<u>7211</u>
TOTAL UNIVERSITY REGISTRATIONS					<u>11,129</u>	<u>6532</u>	<u>17,661</u>

\*Former Faculty of Arts and Science



APPENDIX J  
FULL-TIME ENROLMENT IN UNIVERSITIES  
AND COLLEGES OF CANADA



FULL-TIME UNIVERSITY-GRADE ENROLMENT AT CANADIAN UNIVERSITIES

AND COLLEGES, 1967-68 AND 1968-69

<u>1967-68</u>	<u>Undergraduate</u>	<u>Graduate</u>	<u>Total</u>
Newfoundland	4,324	149	4,473
Prince Edward Island	1,369	-	1,369
Nova Scotia	2,821	680	10,501
New Brunswick	7,283	544	7,927
Quebec	74,978	7,662	82,610
Ontario	69,307	9,782	79,089
Manitoba	12,631	795	13,426
Saskatchewan	12,051	646	12,697
Alberta	17,764	1,924	19,688
British Columbia	27,422	2,005	29,427
CANADA	<u>237,020</u>	<u>24,187</u>	<u>261,207</u>
<u>1968-69</u>			
Newfoundland	4,563	219	4,782
Prince Edward Island	1,555	-	1,555
Nova Scotia	11,164	741	11,905
New Brunswick	8,322	639	8,961
Quebec	58,424 *	5,977	64,401
Ontario	81,091	11,498	92,589
Manitoba	13,928	1,171	15,099
Saskatchewan	13,228	656	13,884
Alberta	22,455	2,467	24,922
British Columbia	29,243	2,752	31,995
CANADA	<u>243,973</u>	<u>26,120</u>	<u>270,093</u>

\* as shown in D.B.S. Report.